

```
*****
i=30001
k(30001)=0.99979762729418
kQ(30001)=0.99959529554307
r1= : 3.3416548988274E-12
rpunto1: = 6030995.8975551
rduepunti0 : = -1.8504815180447E+25
fil : = 488.05296412241
fipunto1 : = 1.1171910042942E+18
fi_gradi : = 27963.375023064
t1 : = 1.0808961226758E-14
tpunto1 : = 1.0008358003467
tduepunti0 : = -3.0533558771161E+15
v=v_elettrone : = 7095437.6241472
x0= : -1.4976331271382E-12
y0= : -2.9864735265909E-12
*****
i=30002
k(30002)=0.99979777287342
kQ(30002)=0.99959558664266
r1= : 3.3423622061457E-12
rpunto1: = 6028826.4919828
rduepunti0 : = -1.8497866157027E+25
fil : = 488.05309514511
fipunto1 : = 1.116718066545E+18
fi_gradi : = 27963.382530112
t1 : = 1.0808961344134E-14
tpunto1 : = 1.0008354425337
tduepunti0 : = -3.0509633675872E+15
v=v_elettrone : = 7093175.7664531
x0= : -1.4975587456467E-12
y0= : -2.9873023392677E-12
*****
i=30003
k(30003)=0.99979791834566
kQ(30003)=0.99959587752831
r1= : 3.343069259039E-12
rpunto1: = 6026657.9006384
rduepunti0 : = -1.849092348147E+25
fil : = 488.05322611235
fipunto1 : = 1.1162455990556E+18
fi_gradi : = 27963.390033982
t1 : = 1.0808961461511E-14
tpunto1 : = 1.000835085001
tduepunti0 : = -3.0485734891379E+15
v=v_elettrone : = 7090914.9603957
x0= : -1.4974842244728E-12
y0= : -2.9881308730587E-12
*****
i=30004
k(30004)=0.999798063711
kQ(30004)=0.99959616820026
r1= : 3.3437760576028E-12
rpunto1: = 6024490.1227783
rduepunti0 : = -1.8483987145908E+25
fil : = 488.05335702417
fipunto1 : = 1.1157736011848E+18
fi_gradi : = 27963.397534677
t1 : = 1.0808961578888E-14
tpunto1 : = 1.0008347277483
tduepunti0 : = -3.0461862377203E+15
v=v_elettrone : = 7088655.2027602
x0= : -1.4974095637119E-12
y0= : -2.9889591280638E-12
```

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*****
i=30005
k(30005)=0.99979820896955
kQ(30005)=0.99959645865871
r1= : 3.3444826019324E-12
rpunto1 : = 6022323.1576601
rduepunti0 : = -1.8477057142482E+25
fil : = 488.05348788064
fipunto1 : = 1.115302072292E+18
fi_gradi : = 27963.4050322
t1 : = 1.0808961696264E-14
tpunto1 : = 1.0008343707752
tduepunti0 : = -3.0438016092942E+15
v=v_elettrone : = 7086396.4937235
x0= : -1.4973347634596E-12
y0= : -2.9897871043827E-12
*****
i=30006
k(30006)=0.99979835412141
kQ(30006)=0.99959674890389
r1= : 3.3451888921231E-12
rpunto1 : = 6020157.0045418
rduepunti0 : = -1.8470133463349E+25
fil : = 488.05361868181
fipunto1 : = 1.1148310117382E+18
fi_gradi : = 27963.412526555
t1 : = 1.0808961813641E-14
tpunto1 : = 1.0008340140815
tduepunti0 : = -3.0414195998275E+15
v=v_elettrone : = 7084138.8326217
x0= : -1.4972598238114E-12
y0= : -2.9906148021149E-12
*****
i=30007
k(30007)=0.99979849916671
kQ(30007)=0.99959703893601
r1= : 3.3458949282703E-12
rpunto1 : = 6017991.6626828
rduepunti0 : = -1.8463216100676E+25
fil : = 488.05374942774
fipunto1 : = 1.1143604188852E+18
fi_gradi : = 27963.420017745
t1 : = 1.0808961931017E-14
tpunto1 : = 1.0008336576668
tduepunti0 : = -3.0390402052957E+15
v=v_elettrone : = 7081882.2187943
x0= : -1.4971847448623E-12
y0= : -2.99144222136E-12
*****
i=30008
k(30008)=0.99979864410554
kQ(30008)=0.99959732875528
r1= : 3.346600710469E-12
rpunto1 : = 6015827.1313432
rduepunti0 : = -1.8456305046646E+25
fil : = 488.05388011847
fipunto1 : = 1.1138902930962E+18
fi_gradi : = 27963.427505772
t1 : = 1.0808962048394E-14
tpunto1 : = 1.0008333015309
tduepunti0 : = -3.0366634216821E+15
v=v_elettrone : = 7079626.6498625
x0= : -1.4971095267075E-12
y0= : -2.9922693622176E-12
```

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*****
i=30009
k(30009)=0.99979878893802
kQ(30009)=0.99959761836193
r1= : 3.3473062388142E-12
rpunto1: = 6013663.409784
rduepunti0 : = -1.8449400293453E+25
fil : = 488.05401075407
fipunto1 : = 1.1134206337354E+18
fi_gradi : = 27963.434990641
t1 : = 1.080896216577E-14
tpunto1 : = 1.0008329456734
tduepunti0 : = -3.0342892449779E+15
v=v_elettrone : = 7077372.1260112
x0= : -1.4970341694422E-12
y0= : -2.9930962247869E-12
*****
i=30010
k(30010)=0.99979893366425
kQ(30010)=0.99959790775617
r1= : 3.3480115134011E-12
rpunto1: = 6011500.4972673
rduepunti0 : = -1.8442501833304E+25
fil : = 488.05414133459
fipunto1 : = 1.1129514401681E+18
fi_gradi : = 27963.442472353
t1 : = 1.0808962283147E-14
tpunto1 : = 1.0008325900941
tduepunti0 : = -3.0319176711818E+15
v=v_elettrone : = 7075118.6457199
x0= : -1.4969586731613E-12
y0= : -2.9939228091672E-12
*****
i=30011
k(30011)=0.99979907828434
kQ(30011)=0.99959819693821
r1= : 3.3487165343243E-12
rpunto1: = 6009338.3930558
rduepunti0 : = -1.8435609658417E+25
fil : = 488.05427186008
fipunto1 : = 1.112482711761E+18
fi_gradi : = 27963.449950913
t1 : = 1.0808962400523E-14
tpunto1 : = 1.0008322347926
tduepunti0 : = -3.0295486963005E+15
v=v_elettrone : = 7072866.2083116
x0= : -1.4968830379597E-12
y0= : -2.9947491154577E-12
*****
i=30012
k(30012)=0.9997992227984
kQ(30012)=0.99959848590828
r1= : 3.3494213016789E-12
rpunto1: = 6007177.0964133
rduepunti0 : = -1.8428723761026E+25
fil : = 488.0544023306
fipunto1 : = 1.1120144478816E+18
fi_gradi : = 27963.457426323
t1 : = 1.0808962517899E-14
tpunto1 : = 1.0008318797686
tduepunti0 : = -3.0271823163483E+15
v=v_elettrone : = 7070614.8131354
x0= : -1.4968072639322E-12
y0= : -2.9955751437574E-12
```

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*****
i=30013
k(30013)=0.99979936720653
kQ(30013)=0.99959877466657
r1= : 3.3501258155593E-12
rpunto1: = 6005016.6066046
rduepunti0 : = -1.8421844133376E+25
fil : = 488.0545327462
fipunto1 : = 1.1115466478987E+18
fi_gradi : = 27963.464898587
t1 : = 1.0808962635276E-14
tpunto1 : = 1.0008315250218
tduepunti0 : = -3.024818527347E+15
v=v_elettrone : = 7068364.4586516
x0= : -1.4967313511734E-12
y0= : -2.9964008941654E-12
*****
i=30014
k(30014)=0.99979951150884
kQ(30014)=0.99959906321332
r1= : 3.3508300760604E-12
rpunto1: = 6002856.9228952
rduepunti0 : = -1.8414970767723E+25
fil : = 488.05466310694
fipunto1 : = 1.1110793111822E+18
fi_gradi : = 27963.472367707
t1 : = 1.0808962752652E-14
tpunto1 : = 1.000831170552
tduepunti0 : = -3.0224573253264E+15
v=v_elettrone : = 7066115.1450397
x0= : -1.4966552997778E-12
y0= : -2.9972263667805E-12
*****
i=30015
k(30015)=0.99979965570544
kQ(30015)=0.99959935154872
r1= : 3.3515340832766E-12
rpunto1: = 6000698.0445517
rduepunti0 : = -1.8408103656338E+25
fil : = 488.05479341287
fipunto1 : = 1.1106124371032E+18
fi_gradi : = 27963.479833687
t1 : = 1.0808962870028E-14
tpunto1 : = 1.0008308163587
tduepunti0 : = -3.0200987063237E+15
v=v_elettrone : = 7063866.8699294
x0= : -1.4965791098399E-12
y0= : -2.9980515617016E-12
*****
i=30016
k(30016)=0.99979979979644
kQ(30016)=0.99959963967301
r1= : 3.3522378373023E-12
rpunto1: = 5998539.9708414
rduepunti0 : = -1.8401242791505E+25
fil : = 488.05492366404
fipunto1 : = 1.1101460250338E+18
fi_gradi : = 27963.487296529
t1 : = 1.0808962987404E-14
tpunto1 : = 1.0008304624418
tduepunti0 : = -3.0177426663838E+15
v=v_elettrone : = 7061619.6334978
x0= : -1.4965027814541E-12
y0= : -2.9988764790275E-12
```

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*****
i=30017
k(30017)=0.99979994378195
kQ(30017)=0.99959992758638
r1= : 3.352941338232E-12
rpunto1: = 5996382.7010327
rduepunti0 : = -1.8394388165517E+25
fil : = 488.05505386052
fipunto1 : = 1.1096800743474E+18
fi_gradi : = 27963.494756238
t1 : = 1.080896310478E-14
tpunto1 : = 1.0008301088009
tduepunti0 : = -3.0153892015594E+15
v=v_elettrone : = 7059373.433363
x0= : -1.4964263147147E-12
y0= : -2.9997011188568E-12
*****
i=30018
k(30018)=0.99980008766206
kQ(30018)=0.99960021528906
r1= : 3.3536445861599E-12
rpunto1: = 5994226.2343948
rduepunti0 : = -1.8387539770683E+25
fil : = 488.05518400235
fipunto1 : = 1.1092145844183E+18
fi_gradi : = 27963.502212815
t1 : = 1.0808963222156E-14
tpunto1 : = 1.0008297554357
tduepunti0 : = -3.0130383079105E+15
v=v_elettrone : = 7057128.2705643
x0= : -1.4963497097158E-12
y0= : -3.000525481288E-12
*****
i=30019
k(30019)=0.99980023143689
kQ(30019)=0.99960050278125
r1= : 3.3543475811802E-12
rpunto1: = 5992070.5701978
rduepunti0 : = -1.8380697599324E+25
fil : = 488.05531408958
fipunto1 : = 1.108749554622E+18
fi_gradi : = 27963.509666265
t1 : = 1.0808963339532E-14
tpunto1 : = 1.0008294023459
tduepunti0 : = -3.0106899815049E+15
v=v_elettrone : = 7054884.1435579
x0= : -1.4962729665515E-12
y0= : -3.0013495664195E-12
*****
i=30020
k(30020)=0.99980037510654
kQ(30020)=0.99960079006318
r1= : 3.355050323387E-12
rpunto1: = 5989915.7077128
rduepunti0 : = -1.8373861643772E+25
fil : = 488.05544412228
fipunto1 : = 1.1082849843353E+18
fi_gradi : = 27963.51711659
t1 : = 1.0808963456908E-14
tpunto1 : = 1.0008290495312
tduepunti0 : = -3.0083442184179E+15
v=v_elettrone : = 7052641.0508434
x0= : -1.4961960853156E-12
y0= : -3.00217337435E-12
```

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*****
i=30021
k(30021)=0.99980051867112
kQ(30021)=0.99960107713504
r1= : 3.3557528128744E-12
rpunto1 : = 5987761.6462116
rduepunti0 : = -1.8367031896372E+25
fil : = 488.0555741005
fipunto1 : = 1.1078208729358E+18
fi_gradi : = 27963.524563793
t1 : = 1.0808963574284E-14
tpunto1 : = 1.0008286969914
tduepunti0 : = -3.0060010147324E+15
v=v_elettrone : = 7050398.9917074
x0= : -1.496119066102E-12
y0= : -3.0029969051775E-12
*****
i=30022
k(30022)=0.99980066213074
kQ(30022)=0.99960136399706
r1= : 3.3564550497362E-12
rpunto1 : = 5985608.3849671
rduepunti0 : = -1.8360208349482E+25
fil : = 488.05570402428
fipunto1 : = 1.1073572198024E+18
fi_gradi : = 27963.532007877
t1 : = 1.080896369166E-14
tpunto1 : = 1.000828344726
tduepunti0 : = -3.0036603665386E+15
v=v_elettrone : = 7048157.9646485
x0= : -1.4960419090045E-12
y0= : -3.0038201590003E-12
*****
i=30023
k(30023)=0.99980080548549
kQ(30023)=0.99960165064944
r1= : 3.3571570340664E-12
rpunto1 : = 5983455.9232529
rduepunti0 : = -1.8353390995472E+25
fil : = 488.05583389369
fipunto1 : = 1.1068940243151E+18
fi_gradi : = 27963.539448846
t1 : = 1.0808963809036E-14
tpunto1 : = 1.0008279927349
tduepunti0 : = -3.0013222699346E+15
v=v_elettrone : = 7045917.9698269
x0= : -1.4959646141169E-12
y0= : -3.0046431359165E-12
*****
i=30024
k(30024)=0.9998009487355
kQ(30024)=0.9996019370924
r1= : 3.3578587659587E-12
rpunto1 : = 5981304.2603438
rduepunti0 : = -1.8346579826725E+25
fil : = 488.05596370877
fipunto1 : = 1.1064312858549E+18
fi_gradi : = 27963.546886703
t1 : = 1.0808963926412E-14
tpunto1 : = 1.0008276410176
tduepunti0 : = -2.9989867210256E+15
v=v_elettrone : = 7043679.0065782
x0= : -1.4958871815326E-12
y0= : -3.0054658360241E-12
```

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*****
i=30025
k(30025)=0.99980109188085
kQ(30025)=0.99960222332615
r1= : 3.3585602455068E-12
rpunto1: = 5979153.395515
rduepunti0 : = -1.8339774835635E+25
fil : = 488.05609346959
fipunto1 : = 1.1059690038041E+18
fi_gradi : = 27963.55432145
t1 : = 1.0808964043787E-14
tpunto1 : = 1.000827289574
tduepunti0 : = -2.9966537159246E+15
v=v_elettrone : = 7041441.0724928
x0= : -1.495809611345E-12
y0= : -3.0062882594212E-12
*****
i=30026
k(30026)=0.99980123492167
kQ(30026)=0.9996025093509
r1= : 3.3592614728042E-12
rpunto1: = 5977003.3280432
rduepunti0 : = -1.833297601461E+25
fil : = 488.05622317619
fipunto1 : = 1.1055071775458E+18
fi_gradi : = 27963.561753091
t1 : = 1.0808964161163E-14
tpunto1 : = 1.0008269384037
tduepunti0 : = -2.9943232507518E+15
v=v_elettrone : = 7039204.1677771
x0= : -1.4957319036476E-12
y0= : -3.0071104062055E-12
*****
i=30027
k(30027)=0.99980137785805
kQ(30027)=0.99960279516685
r1= : 3.3599624479446E-12
rpunto1: = 5974854.0572054
rduepunti0 : = -1.8326183356069E+25
fil : = 488.05635282863
fipunto1 : = 1.1050458064646E+18
fi_gradi : = 27963.569181628
t1 : = 1.0808964278539E-14
tpunto1 : = 1.0008265875064
tduepunti0 : = -2.9919953216351E+15
v=v_elettrone : = 7036968.2908678
x0= : -1.4956540585335E-12
y0= : -3.0079322764748E-12
*****
i=30028
k(30028)=0.99980152069009
kQ(30028)=0.99960308077423
r1= : 3.3606631710213E-12
rpunto1: = 5972705.5822799
rduepunti0 : = -1.8319396852445E+25
fil : = 488.05648242695
fipunto1 : = 1.1045848899458E+18
fi_gradi : = 27963.576607065
t1 : = 1.0808964395914E-14
tpunto1 : = 1.0008262368818
tduepunti0 : = -2.9896699247095E+15
v=v_elettrone : = 7034733.4419581
x0= : -1.4955760760961E-12
y0= : -3.0087538703269E-12
```

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*****
i=30029
k(30029)=0.99980166341792
kQ(30029)=0.99960336617323
r1= : 3.3613636421276E-12
rpunto1: = 5970557.9025458
rduepunti0 : = -1.831261649618E+25
fil : = 488.05661197123
fipunto1 : = 1.104124427376E+18
fi_gradi : = 27963.584029405
t1 : = 1.080896451329E-14
tpunto1 : = 1.0008258865296
tduepunti0 : = -2.9873470561178E+15
v=v_elettrone : = 7032499.6186448
x0= : -1.4954979564281E-12
y0= : -3.0095751878592E-12
*****
i=30030
k(30030)=0.99980180604161
kQ(30030)=0.99960365136407
r1= : 3.3620638613569E-12
rpunto1: = 5968411.0172829
rduepunti0 : = -1.8305842279731E+25
fil : = 488.0567414615
fipunto1 : = 1.103664418143E+18
fi_gradi : = 27963.591448651
t1 : = 1.0808964630666E-14
tpunto1 : = 1.0008255364496
tduepunti0 : = -2.9850267120099E+15
v=v_elettrone : = 7030266.8211036
x0= : -1.4954196996228E-12
y0= : -3.0103962291694E-12
*****
i=30031
k(30031)=0.9998019485613
kQ(30031)=0.99960393634697
r1= : 3.3627638288023E-12
rpunto1: = 5966264.925772
rduepunti0 : = -1.8299074195567E+25
fil : = 488.05687089782
fipunto1 : = 1.1032048616353E+18
fi_gradi : = 27963.598864806
t1 : = 1.0808964748041E-14
tpunto1 : = 1.0008251866414
tduepunti0 : = -2.9827088885432E+15
v=v_elettrone : = 7028035.04781
x0= : -1.4953413057729E-12
y0= : -3.0112169943548E-12
*****
i=30032
k(30032)=0.99980209097707
kQ(30032)=0.99960422112211
r1= : 3.3634635445568E-12
rpunto1: = 5964119.627295
rduepunti0 : = -1.8292312236168E+25
fil : = 488.05700028024
fipunto1 : = 1.1027457572429E+18
fi_gradi : = 27963.606277873
t1 : = 1.0808964865417E-14
tpunto1 : = 1.0008248371047
tduepunti0 : = -2.9803935818824E+15
v=v_elettrone : = 7025804.298058
x0= : -1.4952627749712E-12
y0= : -3.0120374835128E-12
```



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*****
i=30033
k(30033)=0.99980223328903
kQ(30033)=0.99960450568973
r1= : 3.3641630087136E-12
rpunto1 : = 5961975.1211342
rduepunti0 : = -1.8285556394028E+25
fil : = 488.05712960882
fipunto1 : = 1.1022871043567E+18
fi_gradi : = 27963.613687855
t1 : = 1.0808964982792E-14
tpunto1 : = 1.0008244878393
tduepunti0 : = -2.9780807881995E+15
v=v_elettrone : = 7023574.5711809
x0= : -1.4951841073104E-12
y0= : -3.0128576967406E-12
*****
i=30034
k(30034)=0.99980237549729
kQ(30034)=0.99960479005002
r1= : 3.3648622213655E-12
rpunto1 : = 5959831.4065733
rduepunti0 : = -1.8278806661651E+25
fil : = 488.05725888362
fipunto1 : = 1.1018289023686E+18
fi_gradi : = 27963.621094755
t1 : = 1.0808965100167E-14
tpunto1 : = 1.0008241388448
tduepunti0 : = -2.9757705036739E+15
v=v_elettrone : = 7021345.8664955
x0= : -1.495105302883E-12
y0= : -3.0136776341354E-12
*****
i=30035
k(30035)=0.99980251760195
kQ(30035)=0.99960507420319
r1= : 3.3655611826053E-12
rpunto1 : = 5957688.4828965
rduepunti0 : = -1.8272063031553E+25
fil : = 488.05738810467
fipunto1 : = 1.1013711506718E+18
fi_gradi : = 27963.628498576
t1 : = 1.0808965217543E-14
tpunto1 : = 1.000823790121
tduepunti0 : = -2.9734627244924E+15
v=v_elettrone : = 7019118.1824542
x0= : -1.4950263617815E-12
y0= : -3.0144972957943E-12
*****
i=30036
k(30036)=0.99980265960311
kQ(30036)=0.99960535814946
r1= : 3.3662598925259E-12
rpunto1 : = 5955546.349389
rduepunti0 : = -1.8265325496266E+25
fil : = 488.05751727204
fipunto1 : = 1.1009138486604E+18
fi_gradi : = 27963.635899321
t1 : = 1.0808965334918E-14
tpunto1 : = 1.0008234416675
tduepunti0 : = -2.9711574468489E+15
v=v_elettrone : = 7016891.5183668
x0= : -1.4949472840981E-12
y0= : -3.0153166818142E-12
```

```
*****
i=30037
k(30037)=0.99980280150089
kQ(30037)=0.99960564188902
r1= : 3.3669583512198E-12
rpunto1: = 5953405.0053369
rduepunti0 : = -1.8258594048329E+25
fil : = 488.05764638578
fipunto1 : = 1.1004569957296E+18
fi_gradi : = 27963.643296993
t1 : = 1.0808965452293E-14
tpunto1 : = 1.0008230934841
tduepunti0 : = -2.9688546669447E+15
v=v_elettrone : = 7014665.8726954
x0= : -1.4948680699253E-12
y0= : -3.0161357922922E-12
*****
i=30038
k(30038)=0.99980294329537
kQ(30038)=0.99960592542209
r1= : 3.3676565587797E-12
rpunto1: = 5951264.4500272
rduepunti0 : = -1.8251868680295E+25
fil : = 488.05777544594
fipunto1 : = 1.1000005912757E+18
fi_gradi : = 27963.650691596
t1 : = 1.0808965569669E-14
tpunto1 : = 1.0008227455705
tduepunti0 : = -2.9665543809882E+15
v=v_elettrone : = 7012441.246479
x0= : -1.4947887193554E-12
y0= : -3.0169546273248E-12
*****
i=30039
k(30039)=0.99980308498667
kQ(30039)=0.99960620874887
r1= : 3.3683545152981E-12
rpunto1: = 5949124.6827477
rduepunti0 : = -1.8245149384731E+25
fil : = 488.05790445257
fipunto1 : = 1.0995446346961E+18
fi_gradi : = 27963.658083131
t1 : = 1.0808965687044E-14
tpunto1 : = 1.0008223979264
tduepunti0 : = -2.9642565851952E+15
v=v_elettrone : = 7010217.6364372
x0= : -1.49470923248E-12
y0= : -3.0177731870091E-12
*****
i=30040
k(30040)=0.99980322657489
kQ(30040)=0.99960649186957
r1= : 3.3690522208673E-12
rpunto1: = 5946985.7027872
rduepunti0 : = -1.8238436154214E+25
fil : = 488.05803340573
fipunto1 : = 1.0990891253893E+18
fi_gradi : = 27963.665471603
t1 : = 1.0808965804419E-14
tpunto1 : = 1.0008220505514
tduepunti0 : = -2.9619612757888E+15
v=v_elettrone : = 7007995.0436164
x0= : -1.4946296093915E-12
y0= : -3.0185914714414E-12
```

```
*****
i=30041
k(30041)=0.99980336806014
kQ(30041)=0.99960677478439
r1= : 3.3697496755798E-12
rpunto1: = 5944847.5094351
rduepunti0 : = -1.8231728981332E+25
fil : = 488.05816230546
fipunto1 : = 1.0986340627546E+18
fi_gradi : = 27963.672857014
t1 : = 1.0808965921794E-14
tpunto1 : = 1.0008217034454
tduepunti0 : = -2.9596684489989E+15
v=v_elettrone : = 7005773.4656006
x0= : -1.4945498501816E-12
y0= : -3.0194094807186E-12
*****
i=30042
k(30042)=0.9998035094425
kQ(30042)=0.99960705749355
r1= : 3.3704468795278E-12
rpunto1: = 5942710.1019819
rduepunti0 : = -1.8225027858687E+25
fil : = 488.05829115183
fipunto1 : = 1.0981794461927E+18
fi_gradi : = 27963.680239367
t1 : = 1.0808966039169E-14
tpunto1 : = 1.0008213566079
tduepunti0 : = -2.9573781010631E+15
v=v_elettrone : = 7003552.9025611
x0= : -1.4944699549422E-12
y0= : -3.0202272149369E-12
*****
i=30043
k(30043)=0.9998036507221
kQ(30043)=0.99960733999724
r1= : 3.3711438328034E-12
rpunto1: = 5940573.4797189
rduepunti0 : = -1.8218332778893E+25
fil : = 488.05841994488
fipunto1 : = 1.0977252751053E+18
fi_gradi : = 27963.687618665
t1 : = 1.0808966156544E-14
tpunto1 : = 1.0008210100388
tduepunti0 : = -2.9550902282259E+15
v=v_elettrone : = 7001333.3538167
x0= : -1.4943899237648E-12
y0= : -3.0210446741928E-12
*****
i=30044
k(30044)=0.99980379189903
kQ(30044)=0.99960762229568
r1= : 3.3718405354987E-12
rpunto1: = 5938437.6419383
rduepunti0 : = -1.8211643734573E+25
fil : = 488.05854868467
fipunto1 : = 1.0972715488949E+18
fi_gradi : = 27963.694994912
t1 : = 1.0808966273919E-14
tpunto1 : = 1.0008206637377
tduepunti0 : = -2.9528048267389E+15
v=v_elettrone : = 6999114.8169518
x0= : -1.4943097567411E-12
y0= : -3.0218618585827E-12
```

```
*****
i=30045
k(30045)=0.99980393297339
kQ(30045)=0.99960790438907
r1= : 3.3725369877058E-12
rpunto1: = 5936302.587933
rduepunti0 : = -1.8204960718366E+25
fil : = 488.05867737124
fipunto1 : = 1.0968182669654E+18
fi_gradi : = 27963.702368109
t1 : = 1.0808966391294E-14
tpunto1 : = 1.0008203177044
tduepunti0 : = -2.9505218928609E+15
v=v_elettrone : = 6996897.2921304
x0= : -1.4942294539626E-12
y0= : -3.0226787682026E-12
*****
i=30046
k(30046)=0.99980407394529
kQ(30046)=0.9996081862776
r1= : 3.3732331895165E-12
rpunto1: = 5934168.3169971
rduepunti0 : = -1.8198283722919E+25
fil : = 488.05880600465
fipunto1 : = 1.0963654287215E+18
fi_gradi : = 27963.709738261
t1 : = 1.0808966508669E-14
tpunto1 : = 1.0008199719385
tduepunti0 : = -2.948241422858E+15
v=v_elettrone : = 6994680.7786796
x0= : -1.4941490155207E-12
y0= : -3.0234954031488E-12
*****
i=30047
k(30047)=0.99980421481483
kQ(30047)=0.9996084679615
r1= : 3.3739291410228E-12
rpunto1: = 5932034.8284253
rduepunti0 : = -1.8191612740894E+25
fil : = 488.05893458496
fipunto1 : = 1.0959130335691E+18
fi_gradi : = 27963.71710537
t1 : = 1.0808966626044E-14
tpunto1 : = 1.0008196264397
tduepunti0 : = -2.9459634130032E+15
v=v_elettrone : = 6992465.2750272
x0= : -1.4940684415068E-12
y0= : -3.0243117635174E-12
*****
i=30048
k(30048)=0.99980435558211
kQ(30048)=0.99960874944096
r1= : 3.3746248423162E-12
rpunto1: = 5929902.1215131
rduepunti0 : = -1.8184947764963E+25
fil : = 488.05906311221
fipunto1 : = 1.095461080915E+18
fi_gradi : = 27963.724469438
t1 : = 1.0808966743419E-14
tpunto1 : = 1.0008192812079
tduepunti0 : = -2.9436878595766E+15
v=v_elettrone : = 6990250.7813552
x0= : -1.4939877320119E-12
y0= : -3.0251278494041E-12
```

```
*****
i=30049
k(30049)=0.99980449624724
kQ(30049)=0.99960903071619
r1= : 3.3753202934886E-12
rpunto1: = 5927770.1955571
rduepunti0 : = -1.8178288787809E+25
fil : = 488.05919158645
fipunto1 : = 1.0950095701672E+18
fi_gradi : = 27963.73183047
t1 : = 1.0808966860793E-14
tpunto1 : = 1.0008189362426
tduepunti0 : = -2.9414147588654E+15
v=v_elettrone : = 6988037.2952462
x0= : -1.4939068871273E-12
y0= : -3.0259436609051E-12
*****
i=30050
k(30050)=0.9998046368103
kQ(30050)=0.99960931178738
r1= : 3.3760154946315E-12
rpunto1: = 5925639.0498545
rduepunti0 : = -1.817163580213E+25
fil : = 488.05932000774
fipunto1 : = 1.0945585007347E+18
fi_gradi : = 27963.739188468
t1 : = 1.0808966978168E-14
tpunto1 : = 1.0008185915436
tduepunti0 : = -2.9391441071639E+15
v=v_elettrone : = 6985824.8168595
x0= : -1.4938259069438E-12
y0= : -3.026759198116E-12
*****
i=30051
k(30051)=0.99980477727142
kQ(30051)=0.99960959265476
r1= : 3.3767104458365E-12
rpunto1: = 5923508.6837036
rduepunti0 : = -1.8164988800633E+25
fil : = 488.05944837613
fipunto1 : = 1.0941078720275E+18
fi_gradi : = 27963.746543435
t1 : = 1.0808967095543E-14
tpunto1 : = 1.0008182471106
tduepunti0 : = -2.9368759007735E+15
v=v_elettrone : = 6983613.3455194
x0= : -1.4937447915526E-12
y0= : -3.0275744611325E-12
*****
i=30052
k(30052)=0.99980491763069
kQ(30052)=0.9996098733185
r1= : 3.3774051471948E-12
rpunto1: = 5921379.0964033
rduepunti0 : = -1.8158347776037E+25
fil : = 488.05957669167
fipunto1 : = 1.0936576834566E+18
fi_gradi : = 27963.753895374
t1 : = 1.0808967212917E-14
tpunto1 : = 1.0008179029434
tduepunti0 : = -2.9346101360025E+15
v=v_elettrone : = 6981402.8796533
x0= : -1.4936635410443E-12
y0= : -3.0283894500503E-12
```

```
*****
i=30053
k(30053)=0.9998050578882
kQ(30053)=0.99961015377883
r1= : 3.378099598798E-12
rpunto1: = 5919250.2872537
rduepunti0 : = -1.8151712721073E+25
fil : = 488.05970495442
fipunto1 : = 1.0932079344342E+18
fi_gradi : = 27963.761244288
t1 : = 1.0808967330292E-14
tpunto1 : = 1.0008175590416
tduepunti0 : = -2.9323468091662E+15
v=v_elettrone : = 6979193.4185691
x0= : -1.4935821555097E-12
y0= : -3.029204164965E-12
*****
i=30054
k(30054)=0.99980519804407
kQ(30054)=0.99961043403594
r1= : 3.3787938007372E-12
rpunto1: = 5917122.2555553
rduepunti0 : = -1.8145083628484E+25
fil : = 488.05983316442
fipunto1 : = 1.0927586243734E+18
fi_gradi : = 27963.76859018
t1 : = 1.0808967447667E-14
tpunto1 : = 1.0008172154049
tduepunti0 : = -2.9300859165871E+15
v=v_elettrone : = 6976984.9615818
x0= : -1.4935006350394E-12
y0= : -3.0300186059719E-12
*****
i=30055
k(30055)=0.99980533809839
kQ(30055)=0.99961071409004
r1= : 3.3794877531036E-12
rpunto1: = 5914995.0006099
rduepunti0 : = -1.8138460491024E+25
fil : = 488.05996132172
fipunto1 : = 1.0923097526884E+18
fi_gradi : = 27963.775933053
t1 : = 1.0808967565041E-14
tpunto1 : = 1.0008168720332
tduepunti0 : = -2.9278274545943E+15
v=v_elettrone : = 6974777.5079837
x0= : -1.4934189797239E-12
y0= : -3.0308327731665E-12
*****
i=30056
k(30056)=0.99980547805127
kQ(30056)=0.99961099394132
r1= : 3.3801814559883E-12
rpunto1: = 5912868.5217198
rduepunti0 : = -1.8131843301461E+25
fil : = 488.06008942638
fipunto1 : = 1.0918613187944E+18
fi_gradi : = 27963.783272909
t1 : = 1.0808967682416E-14
tpunto1 : = 1.000816528926
tduepunti0 : = -2.9255714195241E+15
v=v_elettrone : = 6972571.0562207
x0= : -1.4933371896537E-12
y0= : -3.0316466666441E-12
```

```
*****
i=30057
k(30057)=0.9998056179028
kQ(30057)=0.99961127358999
r1= : 3.3808749094824E-12
rpunto1: = 5910742.8181884
rduepunti0 : = -1.812523205257E+25
fil : = 488.06021747845
fipunto1 : = 1.0914133221076E+18
fi_gradi : = 27963.790609752
t1 : = 1.080896779979E-14
tpunto1 : = 1.0008161860831
tduepunti0 : = -2.9233178077199E+15
v=v_elettrone : = 6970365.6055973
x0= : -1.4932552649191E-12
y0= : -3.0324602864999E-12
*****
i=30058
k(30058)=0.99980575765308
kQ(30058)=0.99961155303625
r1= : 3.3815681136767E-12
rpunto1: = 5908617.8893197
rduepunti0 : = -1.8118626737142E+25
fil : = 488.06034547798
fipunto1 : = 1.0909657620453E+18
fi_gradi : = 27963.797943585
t1 : = 1.0808967917164E-14
tpunto1 : = 1.0008158435042
tduepunti0 : = -2.9210666155318E+15
v=v_elettrone : = 6968161.1554029
x0= : -1.4931732056104E-12
y0= : -3.0332736328288E-12
*****
i=30059
k(30059)=0.99980589730222
kQ(30059)=0.99961183228031
r1= : 3.3822610686622E-12
rpunto1: = 5906493.7344187
rduepunti0 : = -1.8112027347977E+25
fil : = 488.06047342502
fipunto1 : = 1.0905186380257E+18
fi_gradi : = 27963.80527441
t1 : = 1.0808968034539E-14
tpunto1 : = 1.0008155011891
tduepunti0 : = -2.9188178393168E+15
v=v_elettrone : = 6965957.7058237
x0= : -1.4930910118179E-12
y0= : -3.0340867057261E-12
*****
i=30060
k(30060)=0.99980603685032
kQ(30060)=0.99961211132235
r1= : 3.3829537745295E-12
rpunto1: = 5904370.3527913
rduepunti0 : = -1.8105433877887E+25
fil : = 488.06060131962
fipunto1 : = 1.0900719494681E+18
fi_gradi : = 27963.812602231
t1 : = 1.0808968151913E-14
tpunto1 : = 1.0008151591374
tduepunti0 : = -2.9165714754389E+15
v=v_elettrone : = 6963755.2535498
x0= : -1.4930086836313E-12
y0= : -3.0348995052867E-12
```

```
*****
i=30061
k(30061)=0.99980617629748
kQ(30061)=0.99961239016259
r1= : 3.3836462313694E-12
rpunto1: = 5902247.7437441
rduepunti0 : = -1.8098846319697E+25
fil : = 488.06072916183
fipunto1 : = 1.0896256957929E+18
fi_gradi : = 27963.81992705
t1 : = 1.0808968269287E-14
tpunto1 : = 1.0008148173488
tduepunti0 : = -2.9143275202689E+15
v=v_elettrone : = 6961553.8004934
x0= : -1.492926221141E-12
y0= : -3.0357120316053E-12
*****
i=30062
k(30062)=0.9998063156438
kQ(30062)=0.99961266880123
r1= : 3.3843384392726E-12
rpunto1: = 5900125.9065846
rduepunti0 : = -1.8092264666242E+25
fil : = 488.06085695171
fipunto1 : = 1.0891798764215E+18
fi_gradi : = 27963.827248871
t1 : = 1.0808968386662E-14
tpunto1 : = 1.0008144758232
tduepunti0 : = -2.9120859701846E+15
v=v_elettrone : = 6959353.3433431
x0= : -1.4928436244364E-12
y0= : -3.0365242847769E-12
*****
i=30063
k(30063)=0.99980645488937
kQ(30063)=0.99961294723845
r1= : 3.3850303983294E-12
rpunto1: = 5898004.8406212
rduepunti0 : = -1.8085688910368E+25
fil : = 488.0609846893
fipunto1 : = 1.0887344907761E+18
fi_gradi : = 27963.834567696
t1 : = 1.0808968504036E-14
tpunto1 : = 1.0008141345602
tduepunti0 : = -2.9098468215704E+15
v=v_elettrone : = 6957153.8831384
x0= : -1.4927608936077E-12
y0= : -3.0373362648961E-12
*****
i=30064
k(30064)=0.9998065940343
kQ(30064)=0.99961322547447
r1= : 3.3857221086303E-12
rpunto1: = 5895884.5451631
rduepunti0 : = -1.8079119044934E+25
fil : = 488.06111237466
fipunto1 : = 1.0882895382801E+18
fi_gradi : = 27963.841883528
t1 : = 1.080896862141E-14
tpunto1 : = 1.0008137935595
tduepunti0 : = -2.9076100708179E+15
v=v_elettrone : = 6954955.4174478
x0= : -1.4926780287443E-12
y0= : -3.0381479720576E-12
```



```
*****
i=30065
k(30065)=0.99980673307869
kQ(30065)=0.99961350350949
r1= : 3.3864135702658E-12
rpunto1: = 5893765.0195201
rduepunti0 : = -1.8072555062809E+25
fil : = 488.06124000783
fipunto1 : = 1.087845018358E+18
fi_gradi : = 27963.84919637
t1 : = 1.0808968738784E-14
tpunto1 : = 1.0008134528208
tduepunti0 : = -2.9053757143251E+15
v=v_elettrone : = 6952757.9464266
x0= : -1.492595029936E-12
y0= : -3.0389594063558E-12
*****
i=30066
k(30066)=0.99980687202264
kQ(30066)=0.9996137813437
r1= : 3.3871047833261E-12
rpunto1: = 5891646.2630033
rduepunti0 : = -1.8065996956875E+25
fil : = 488.06136758888
fipunto1 : = 1.0874009304351E+18
fi_gradi : = 27963.856506226
t1 : = 1.0808968856158E-14
tpunto1 : = 1.0008131123439
tduepunti0 : = -2.9031437484972E+15
v=v_elettrone : = 6950561.4693811
x0= : -1.4925118972722E-12
y0= : -3.0397705678853E-12
*****
i=30067
k(30067)=0.99980701086624
kQ(30067)=0.9996140589773
r1= : 3.3877957479014E-12
rpunto1: = 5889528.2749242
rduepunti0 : = -1.8059444720023E+25
fil : = 488.06149511784
fipunto1 : = 1.0869572739378E+18
fi_gradi : = 27963.863813097
t1 : = 1.0808968973532E-14
tpunto1 : = 1.0008127721285
tduepunti0 : = -2.9009141697459E+15
v=v_elettrone : = 6948365.984745
x0= : -1.4924286308422E-12
y0= : -3.0405814567403E-12
*****
i=30068
k(30068)=0.99980714960961
kQ(30068)=0.99961433641048
r1= : 3.3884864640818E-12
rpunto1: = 5887411.0545955
rduepunti0 : = -1.8052898345158E+25
fil : = 488.06162259477
fipunto1 : = 1.0865140482935E+18
fi_gradi : = 27963.871116987
t1 : = 1.0808969090906E-14
tpunto1 : = 1.0008124321743
tduepunti0 : = -2.8986869744898E+15
v=v_elettrone : = 6946171.4918051
x0= : -1.4923452307354E-12
y0= : -3.0413920730153E-12
```

```
*****
i=30069
k(30069)=0.99980728825282
kQ(30069)=0.99961461364346
r1= : 3.3891769319574E-12
rpunto1 : = 5885294.6013303
rduepunti0 : = -1.8046357825195E+25
fil : = 488.06175001971
fipunto1 : = 1.0860712529307E+18
fi_gradi : = 27963.878417899
t1 : = 1.080896920828E-14
tpunto1 : = 1.000812092481
tduepunti0 : = -2.8964621591542E+15
v=v_elettrone : = 6943977.9898605
x0= : -1.492261697041E-12
y0= : -3.0422024168043E-12
*****
i=30070
k(30070)=0.99980742679599
kQ(30070)=0.99961489067643
r1= : 3.3898671516182E-12
rpunto1 : = 5883178.914443
rduepunti0 : = -1.8039823153061E+25
fil : = 488.06187739273
fipunto1 : = 1.0856288872786E+18
fi_gradi : = 27963.885715835
t1 : = 1.0808969325654E-14
tpunto1 : = 1.0008117530483
tduepunti0 : = -2.8942397201712E+15
v=v_elettrone : = 6941785.4773405
x0= : -1.4921780298482E-12
y0= : -3.0430124882016E-12
*****
i=30071
k(30071)=0.99980756523922
kQ(30071)=0.99961516750958
r1= : 3.3905571231539E-12
rpunto1 : = 5881063.9932485
rduepunti0 : = -1.8033294321692E+25
fil : = 488.06200471387
fipunto1 : = 1.0851869507678E+18
fi_gradi : = 27963.893010799
t1 : = 1.0808969443028E-14
tpunto1 : = 1.000811413876
tduepunti0 : = -2.8920196539796E+15
v=v_elettrone : = 6939593.9552846
x0= : -1.492094229246E-12
y0= : -3.043822287301E-12
*****
i=30072
k(30072)=0.9998077035826
kQ(30072)=0.99961544414311
r1= : 3.3912468466544E-12
rpunto1 : = 5878949.8370626
rduepunti0 : = -1.8026771324038E+25
fil : = 488.06213198318
fipunto1 : = 1.0847454428296E+18
fi_gradi : = 27963.900302793
t1 : = 1.0808969560402E-14
tpunto1 : = 1.0008110749638
tduepunti0 : = -2.8898019570248E+15
v=v_elettrone : = 6937403.4203719
x0= : -1.4920102953232E-12
y0= : -3.0446318141967E-12
```

```

*****
i=30073
k(30073)=0.99980784182623
kQ(30073)=0.99961572057722
r1= : 3.3919363222095E-12
rpunto1: = 5876836.445202
rduepunti0 : = -1.8020254153059E+25
fil : = 488.0622592007
fipunto1 : = 1.0843043628964E+18
fi_gradi : = 27963.90759182
t1 : = 1.0808969677776E-14
tpunto1 : = 1.0008107363114
tduepunti0 : = -2.8875866257591E+15
v=v_elettrone : = 6935213.8736323
x0= : -1.4919262281689E-12
y0= : -3.0454410689825E-12
*****
i=30074
k(30074)=0.99980797997021
kQ(30074)=0.99961599681211
r1= : 3.3926255499087E-12
rpunto1: = 5874723.8169842
rduepunti0 : = -1.8013742801727E+25
fil : = 488.0623863665
fipunto1 : = 1.0838637104016E+18
fi_gradi : = 27963.914877884
t1 : = 1.080896979515E-14
tpunto1 : = 1.0008103979186
tduepunti0 : = -2.8853736566414E+15
v=v_elettrone : = 6933025.3135016
x0= : -1.4918420278717E-12
y0= : -3.0462500517521E-12
*****
i=30075
k(30075)=0.99980811801464
kQ(30075)=0.99961627284797
r1= : 3.3933145298416E-12
rpunto1: = 5872611.9517275
rduepunti0 : = -1.8007237263024E+25
fil : = 488.06251348062
fipunto1 : = 1.0834234847795E+18
fi_gradi : = 27963.922160987
t1 : = 1.0808969912523E-14
tpunto1 : = 1.000810059785
tduepunti0 : = -2.8831630461372E+15
v=v_elettrone : = 6930837.7392635
x0= : -1.4917576945203E-12
y0= : -3.0470587625992E-12
*****
i=30076
k(30076)=0.99980825595961
kQ(30076)=0.999616548685
r1= : 3.3940032620978E-12
rpunto1: = 5870500.848751
rduepunti0 : = -1.8000737529944E+25
fil : = 488.06264054311
fipunto1 : = 1.0829836854656E+18
fi_gradi : = 27963.929441131
t1 : = 1.0808970029897E-14
tpunto1 : = 1.0008097219104
tduepunti0 : = -2.8809547907186E+15
v=v_elettrone : = 6928651.1493421
x0= : -1.4916732282031E-12
y0= : -3.0478672016176E-12

```

```
*****
i=30077
k(30077)=0.99980839380523
kQ(30077)=0.9996168243234
r1= : 3.3946917467665E-12
rpunto1: = 5868390.5073746
rduepunti0 : = -1.7994243595492E+25
fil : = 488.06276755403
fipunto1 : = 1.0825443118962E+18
fi_gradi : = 27963.93671832
t1 : = 1.0808970147271E-14
tpunto1 : = 1.0008093842945
tduepunti0 : = -2.8787488868646E+15
v=v_elettrone : = 6926465.5439012
x0= : -1.4915886290088E-12
y0= : -3.0486753689007E-12
*****
i=30078
k(30078)=0.9998085315516
kQ(30078)=0.99961709976336
r1= : 3.3953799839372E-12
rpunto1: = 5866280.9269192
rduepunti0 : = -1.7987755452685E+25
fil : = 488.06289451341
fipunto1 : = 1.0821053635086E+18
fi_gradi : = 27963.943992557
t1 : = 1.0808970264644E-14
tpunto1 : = 1.000809046937
tduepunti0 : = -2.8765453310605E+15
v=v_elettrone : = 6924280.9222312
x0= : -1.4915038970258E-12
y0= : -3.049483264542E-12
*****
i=30079
k(30079)=0.9998086691988
kQ(30079)=0.99961737500508
r1= : 3.396067973699E-12
rpunto1: = 5864172.1067062
rduepunti0 : = -1.7981273094549E+25
fil : = 488.06302142131
fipunto1 : = 1.0816668397411E+18
fi_gradi : = 27963.951263844
t1 : = 1.0808970382018E-14
tpunto1 : = 1.0008087098377
tduepunti0 : = -2.8743441197983E+15
v=v_elettrone : = 6922097.2818831
x0= : -1.4914190323421E-12
y0= : -3.0502908886348E-12
*****
i=30080
k(30080)=0.99980880674695
kQ(30080)=0.99961765004876
r1= : 3.3967557161411E-12
rpunto1: = 5862064.0460581
rduepunti0 : = -1.7974796514122E+25
fil : = 488.06314827778
fipunto1 : = 1.081228740033E+18
fi_gradi : = 27963.958532185
t1 : = 1.0808970499391E-14
tpunto1 : = 1.0008083729962
tduepunti0 : = -2.8721452495769E+15
v=v_elettrone : = 6919914.6238915
x0= : -1.4913340350463E-12
y0= : -3.0510982412726E-12
```

```
*****
i=30081
k(30081)=0.99980894419613
kQ(30081)=0.99961792489458
r1= : 3.3974432113527E-12
rpunto1: = 5859956.7442981
rduepunti0 : = -1.7968325704455E+25
fil : = 488.06327508288
fipunto1 : = 1.0807910638246E+18
fi_gradi : = 27963.965797581
t1 : = 1.0808970616765E-14
tpunto1 : = 1.0008080364124
tduepunti0 : = -2.8699487169012E+15
v=v_elettrone : = 6917732.9466667
x0= : -1.4912489052262E-12
y0= : -3.0519053225484E-12
*****
i=30082
k(30082)=0.99980908154644
kQ(30082)=0.99961819954274
r1= : 3.3981304594226E-12
rpunto1: = 5857850.2007503
rduepunti0 : = -1.7961860658608E+25
fil : = 488.06340183664
fipunto1 : = 1.0803538105571E+18
fi_gradi : = 27963.973060037
t1 : = 1.0808970734138E-14
tpunto1 : = 1.0008077000859
tduepunti0 : = -2.8677545182831E+15
v=v_elettrone : = 6915552.2486322
x0= : -1.4911636429699E-12
y0= : -3.0527121325555E-12
*****
i=30083
k(30083)=0.99980921879799
kQ(30083)=0.99961847399344
r1= : 3.3988174604399E-12
rpunto1: = 5855744.4147394
rduepunti0 : = -1.7955401369651E+25
fil : = 488.06352853912
fipunto1 : = 1.0799169796728E+18
fi_gradi : = 27963.980319555
t1 : = 1.0808970851512E-14
tpunto1 : = 1.0008073640164
tduepunti0 : = -2.865562650241E+15
v=v_elettrone : = 6913372.5299496
x0= : -1.4910782483653E-12
y0= : -3.0535186713868E-12
*****
i=30084
k(30084)=0.99980935595086
kQ(30084)=0.99961874824688
r1= : 3.3995042144934E-12
rpunto1: = 5853639.3855911
rduepunti0 : = -1.7948947830669E+25
fil : = 488.06365519038
fipunto1 : = 1.0794805706148E+18
fi_gradi : = 27963.987576137
t1 : = 1.0808970968885E-14
tpunto1 : = 1.0008070282038
tduepunti0 : = -2.8633731092996E+15
v=v_elettrone : = 6911193.7899047
x0= : -1.4909927215004E-12
y0= : -3.0543249391354E-12
```

```
*****
i=30085
k(30085)=0.99980949300516
kQ(30085)=0.99961902230324
r1= : 3.4001907216717E-12
rpunto1: = 5851535.112632
rduepunti0 : = -1.7942500034753E+25
fil : = 488.06378179045
fipunto1 : = 1.0790445828272E+18
fi_gradi : = 27963.994829787
t1 : = 1.0808971086259E-14
tpunto1 : = 1.0008066926476
tduepunti0 : = -2.8611858919902E+15
v=v_elettrone : = 6909016.0269125
x0= : -1.4909070624626E-12
y0= : -3.0551309358941E-12
*****
i=30086
k(30086)=0.99980962996099
kQ(30086)=0.99961929616272
r1= : 3.4008769820637E-12
rpunto1: = 5849431.5951891
rduepunti0 : = -1.7936057975008E+25
fil : = 488.06390833939
fipunto1 : = 1.0786090157552E+18
fi_gradi : = 27964.002080507
t1 : = 1.0808971203632E-14
tpunto1 : = 1.0008063573477
tduepunti0 : = -2.8590009948508E+15
v=v_elettrone : = 6906839.2402647
x0= : -1.4908212713398E-12
y0= : -3.0559366617558E-12
*****
i=30087
k(30087)=0.99980976681843
kQ(30087)=0.99961956982552
r1= : 3.401562995758E-12
rpunto1: = 5847328.8325907
rduepunti0 : = -1.7929621644551E+25
fil : = 488.06403483724
fipunto1 : = 1.0781738688449E+18
fi_gradi : = 27964.0093283
t1 : = 1.0808971321005E-14
tpunto1 : = 1.0008060223038
tduepunti0 : = -2.8568184144258E+15
v=v_elettrone : = 6904663.4292386
x0= : -1.4907353482195E-12
y0= : -3.0567421168132E-12
*****
i=30088
k(30088)=0.99980990357759
kQ(30088)=0.99961984329182
r1= : 3.4022487628429E-12
rpunto1: = 5845226.8241656
rduepunti0 : = -1.7923191036507E+25
fil : = 488.06416128407
fipunto1 : = 1.0777391415434E+18
fi_gradi : = 27964.016573169
t1 : = 1.0808971438378E-14
tpunto1 : = 1.0008056875156
tduepunti0 : = -2.8546381472657E+15
v=v_elettrone : = 6902488.5931263
x0= : -1.4906492931892E-12
y0= : -3.0575473011589E-12
```

```
*****
i=30089
k(30089)=0.99981004023856
kQ(30089)=0.99962011656182
r1= : 3.4029342834071E-12
rpunto1: = 5843125.5692435
rduepunti0 : = -1.7916766144013E+25
fil : = 488.0642876799
fipunto1 : = 1.0773048332985E+18
fi_gradi : = 27964.023815117
t1 : = 1.0808971555752E-14
tpunto1 : = 1.0008053529828
tduepunti0 : = -2.8524601899281E+15
v=v_elettrone : = 6900314.7303417
x0= : -1.4905631063362E-12
y0= : -3.0583522148856E-12
*****
i=30090
k(30090)=0.99981017680144
kQ(30090)=0.99962038963572
r1= : 3.4036195575388E-12
rpunto1: = 5841025.0671549
rduepunti0 : = -1.7910346960218E+25
fil : = 488.06441402481
fipunto1 : = 1.0768709435594E+18
fi_gradi : = 27964.031054147
t1 : = 1.0808971673125E-14
tpunto1 : = 1.0008050187051
tduepunti0 : = -2.8502845389764E+15
v=v_elettrone : = 6898141.8410335
x0= : -1.490476787748E-12
y0= : -3.0591568580855E-12
*****
i=30091
k(30091)=0.99981031326632
kQ(30091)=0.9996206625137
r1= : 3.4043045853264E-12
rpunto1: = 5838925.3172311
rduepunti0 : = -1.790393347828E+25
fil : = 488.06454031882
fipunto1 : = 1.0764374717759E+18
fi_gradi : = 27964.038290261
t1 : = 1.0808971790498E-14
tpunto1 : = 1.0008046846824
tduepunti0 : = -2.848111190981E+15
v=v_elettrone : = 6895969.9245072
x0= : -1.4903903375117E-12
y0= : -3.0599612308512E-12
*****
i=30092
k(30092)=0.99981044963331
kQ(30092)=0.99962093519596
r1= : 3.4049893668581E-12
rpunto1: = 5836826.3188041
rduepunti0 : = -1.7897525691369E+25
fil : = 488.064666562
fipunto1 : = 1.0760044173989E+18
fi_gradi : = 27964.045523463
t1 : = 1.0808971907871E-14
tpunto1 : = 1.0008043509142
tduepunti0 : = -2.8459401425183E+15
v=v_elettrone : = 6893798.9791398
x0= : -1.4903037557142E-12
y0= : -3.0607653332751E-12
```

```
*****
i=30093
k(30093)=0.99981058590249
kQ(30093)=0.99962120768269
r1= : 3.405673902222E-12
rpunto1: = 5834728.071207
rduepunti0 : = -1.7891123592666E+25
fil : = 488.0647927544
fipunto1 : = 1.0755717798802E+18
fi_gradi : = 27964.052753754
t1 : = 1.0808972025244E-14
tpunto1 : = 1.0008040174004
tduepunti0 : = -2.8437713901712E+15
v=v_elettrone : = 6891629.0042433
x0= : -1.4902170424427E-12
y0= : -3.0615691654493E-12
*****
i=30094
k(30094)=0.99981072207397
kQ(30094)=0.99962147997408
r1= : 3.4063581915061E-12
rpunto1: = 5832630.5737732
rduepunti0 : = -1.7884727175362E+25
fil : = 488.06491889605
fipunto1 : = 1.0751395586727E+18
fi_gradi : = 27964.059981138
t1 : = 1.0808972142617E-14
tpunto1 : = 1.0008036841407
tduepunti0 : = -2.841604930529E+15
v=v_elettrone : = 6889459.9990888
x0= : -1.4901301977842E-12
y0= : -3.062372727466E-12
*****
i=30095
k(30095)=0.99981085814784
kQ(30095)=0.99962175207032
r1= : 3.4070422347985E-12
rpunto1: = 5830533.8258375
rduepunti0 : = -1.7878336432659E+25
fil : = 488.06504498701
fipunto1 : = 1.0747077532299E+18
fi_gradi : = 27964.067205618
t1 : = 1.080897225999E-14
tpunto1 : = 1.0008033511348
tduepunti0 : = -2.8394407601875E+15
v=v_elettrone : = 6887291.9629518
x0= : -1.4900432218254E-12
y0= : -3.0631760194172E-12
*****
i=30096
k(30096)=0.99981099412419
kQ(30096)=0.9996220239716
r1= : 3.407726032187E-12
rpunto1: = 5828437.8267349
rduepunti0 : = -1.7871951357771E+25
fil : = 488.06517102733
fipunto1 : = 1.0742763630067E+18
fi_gradi : = 27964.074427197
t1 : = 1.0808972377363E-14
tpunto1 : = 1.0008030183825
tduepunti0 : = -2.8372788757487E+15
v=v_elettrone : = 6885124.8951377
x0= : -1.4899561146531E-12
y0= : -3.0639790413951E-12
```



```
*****
i=30097
k(30097)=0.99981113000312
kQ(30097)=0.99962229567812
r1= : 3.4084095837595E-12
rpunto1 : = 5826342.5758017
rduepunti0 : = -1.7865571943921E+25
fil : = 488.06529701706
fipunto1 : = 1.0738453874586E+18
fi_gradi : = 27964.081645877
t1 : = 1.0808972494736E-14
tpunto1 : = 1.0008026858834
tduepunti0 : = -2.835119273821E+15
v=v_elettrone : = 6882958.7948986
x0= : -1.489868876354E-12
y0= : -3.0647817934914E-12
*****
i=30098
k(30098)=0.99981126578473
kQ(30098)=0.99962256719007
r1= : 3.4090928896037E-12
rpunto1 : = 5824248.0723747
rduepunti0 : = -1.7859198184342E+25
fil : = 488.06542295624
fipunto1 : = 1.0734148260423E+18
fi_gradi : = 27964.08886166
t1 : = 1.0808972612108E-14
tpunto1 : = 1.0008023536373
tduepunti0 : = -2.832961951019E+15
v=v_elettrone : = 6880793.6606533
x0= : -1.4897815070145E-12
y0= : -3.0655842757982E-12
*****
i=30099
k(30099)=0.99981140146911
kQ(30099)=0.99962283850763
r1= : 3.4097759498072E-12
rpunto1 : = 5822154.3157916
rduepunti0 : = -1.7852830072281E+25
fil : = 488.06554884493
fipunto1 : = 1.0729846782151E+18
fi_gradi : = 27964.096074551
t1 : = 1.0808972729481E-14
tpunto1 : = 1.000802021644
tduepunti0 : = -2.8308069039638E+15
v=v_elettrone : = 6878629.4925606
x0= : -1.4896940067213E-12
y0= : -3.066386488407E-12
*****
i=30100
k(30100)=0.99981153705636
kQ(30100)=0.99962310963099
r1= : 3.4104587644578E-12
rpunto1 : = 5820061.3053907
rduepunti0 : = -1.7846467600993E+25
fil : = 488.06567468317
fipunto1 : = 1.0725549434355E+18
fi_gradi : = 27964.103284551
t1 : = 1.0808972846854E-14
tpunto1 : = 1.0008016899031
tduepunti0 : = -2.8286541292827E+15
v=v_elettrone : = 6876466.2890159
x0= : -1.4896063755605E-12
y0= : -3.0671884314097E-12
```

```
*****
i=30101
k(30101)=0.99981167254656
kQ(30101)=0.99962338056035
r1= : 3.4111413336428E-12
rpunto1: = 5817969.0405115
rduepunti0 : = -1.7840110763745E+25
fil : = 488.06580047102
fipunto1 : = 1.0721256211629E+18
fi_gradi : = 27964.110491663
t1 : = 1.0808972964227E-14
tpunto1 : = 1.0008013584145
tduepunti0 : = -2.8265036236092E+15
v=v_elettrone : = 6874304.0493112
x0= : -1.4895186136187E-12
y0= : -3.0679901048977E-12
*****
i=30102
k(30102)=0.99981180793982
kQ(30102)=0.9996236512959
r1= : 3.4118236574497E-12
rpunto1: = 5815877.5204938
rduepunti0 : = -1.7833759553812E+25
fil : = 488.06592620851
fipunto1 : = 1.0716967108577E+18
fi_gradi : = 27964.117695891
t1 : = 1.0808973081599E-14
tpunto1 : = 1.0008010271777
tduepunti0 : = -2.8243553835833E+15
v=v_elettrone : = 6872142.7727013
x0= : -1.4894307209819E-12
y0= : -3.0687915089627E-12
*****
i=30103
k(30103)=0.99981194323623
kQ(30103)=0.99962392183782
r1= : 3.4125057359659E-12
rpunto1: = 5813786.7446786
rduepunti0 : = -1.7827413964484E+25
fil : = 488.0660518957
fipunto1 : = 1.071268211981E+18
fi_gradi : = 27964.124897237
t1 : = 1.0808973198972E-14
tpunto1 : = 1.0008006961927
tduepunti0 : = -2.822209405851E+15
v=v_elettrone : = 6869982.4584855
x0= : -1.4893426977364E-12
y0= : -3.069592643696E-12
*****
i=30104
k(30104)=0.99981207843589
kQ(30104)=0.9996241921863
r1= : 3.4131875692786E-12
rpunto1: = 5811696.7124074
rduepunti0 : = -1.7821073989058E+25
fil : = 488.06617753263
fipunto1 : = 1.070840123995E+18
fi_gradi : = 27964.132095703
t1 : = 1.0808973316345E-14
tpunto1 : = 1.0008003654591
tduepunti0 : = -2.8200656870648E+15
v=v_elettrone : = 6867823.1059368
x0= : -1.4892545439682E-12
y0= : -3.070393509189E-12
```

```
*****
i=30105
k(30105)=0.99981221353889
kQ(30105)=0.99962446234153
r1= : 3.4138691574751E-12
rpunto1: = 5809607.4230226
rduepunti0 : = -1.7814739620843E+25
fil : = 488.06630311936
fipunto1 : = 1.0704124463629E+18
fi_gradi : = 27964.139291292
t1 : = 1.0808973433717E-14
tpunto1 : = 1.0008000349766
tduepunti0 : = -2.8179242238831E+15
v=v_elettrone : = 6865664.7143196
x0= : -1.4891662597631E-12
y0= : -3.0711941055331E-12
*****
i=30106
k(30106)=0.99981234854532
kQ(30106)=0.99962473230371
r1= : 3.4145505006424E-12
rpunto1: = 5807518.8758674
rduepunti0 : = -1.7808410853158E+25
fil : = 488.06642865594
fipunto1 : = 1.0699851785486E+18
fi_gradi : = 27964.146484008
t1 : = 1.080897355109E-14
tpunto1 : = 1.000799704745
tduepunti0 : = -2.8157850129708E+15
v=v_elettrone : = 6863507.2820488
x0= : -1.4890778452071E-12
y0= : -3.0719944328193E-12
*****
i=30107
k(30107)=0.99981248345528
kQ(30107)=0.99962500207301
r1= : 3.4152315988677E-12
rpunto1: = 5805431.0702858
rduepunti0 : = -1.7802087679334E+25
fil : = 488.0665541424
fipunto1 : = 1.0695583200172E+18
fi_gradi : = 27964.153673853
t1 : = 1.0808973668462E-14
tpunto1 : = 1.0007993747641
tduepunti0 : = -2.8136480509988E+15
v=v_elettrone : = 6861350.8092681
x0= : -1.488989300386E-12
y0= : -3.0727944911389E-12
*****
i=30108
k(30108)=0.99981261826886
kQ(30108)=0.99962527164963
r1= : 3.4159124522378E-12
rpunto1: = 5803344.0056225
rduepunti0 : = -1.7795770092709E+25
fil : = 488.0666795788
fipunto1 : = 1.0691318702344E+18
fi_gradi : = 27964.160860829
t1 : = 1.0808973785835E-14
tpunto1 : = 1.0007990450335
tduepunti0 : = -2.8115133346443E+15
v=v_elettrone : = 6859195.2943779
x0= : -1.4889006253854E-12
y0= : -3.0735942805828E-12
```

```
*****
i=30109
k(30109)=0.99981275298615
kQ(30109)=0.99962554103375
r1= : 3.4165930608397E-12
rpunto1: = 5801257.681223
rduepunti0 : = -1.7789458086636E+25
fil : = 488.06680496519
fipunto1 : = 1.0687058286671E+18
fi_gradi : = 27964.16804494
t1 : = 1.0808973903207E-14
tpunto1 : = 1.0007987155529
tduepunti0 : = -2.8093808605907E+15
v=v_elettrone : = 6857040.7375336
x0= : -1.4888118202909E-12
y0= : -3.074393801242E-12
*****
i=30110
k(30110)=0.99981288760726
kQ(30110)=0.99962581022557
r1= : 3.4172734247603E-12
rpunto1: = 5799172.0964337
rduepunti0 : = -1.7783151654476E+25
fil : = 488.06693030162
fipunto1 : = 1.0682801947829E+18
fi_gradi : = 27964.175226188
t1 : = 1.0808974020579E-14
tpunto1 : = 1.0007983863223
tduepunti0 : = -2.8072506255275E+15
v=v_elettrone : = 6854887.1371249
x0= : -1.488722885188E-12
y0= : -3.0751930532075E-12
*****
i=30111
k(30111)=0.99981302213227
kQ(30111)=0.99962607922526
r1= : 3.4179535440862E-12
rpunto1: = 5797087.2506015
rduepunti0 : = -1.77768507896E+25
fil : = 488.06705558812
fipunto1 : = 1.0678549680506E+18
fi_gradi : = 27964.182404576
t1 : = 1.0808974137952E-14
tpunto1 : = 1.0007980573411
tduepunti0 : = -2.8051226261503E+15
v=v_elettrone : = 6852734.4924269
x0= : -1.4886338201621E-12
y0= : -3.0759920365701E-12
*****
i=30112
k(30112)=0.99981315656128
kQ(30112)=0.99962634803302
r1= : 3.418633418904E-12
rpunto1: = 5795003.1430744
rduepunti0 : = -1.7770555485391E+25
fil : = 488.06718082476
fipunto1 : = 1.0674301479396E+18
fi_gradi : = 27964.189580107
t1 : = 1.0808974255324E-14
tpunto1 : = 1.0007977286093
tduepunti0 : = -2.8029968591608E+15
v=v_elettrone : = 6850582.8027127
x0= : -1.4885446252986E-12
y0= : -3.0767907514204E-12
```

```
*****
i=30113
k(30113)=0.99981329089437
kQ(30113)=0.99962661664903
r1= : 3.4193130493005E-12
rpunto1: = 5792919.773201
rduepunti0 : = -1.7764265735241E+25
fil : = 488.06730601157
fipunto1 : = 1.0670057339205E+18
fi_gradi : = 27964.196752783
t1 : = 1.0808974372696E-14
tpunto1 : = 1.0007974001266
tduepunti0 : = -2.800873321267E+15
v=v_elettrone : = 6848432.0672614
x0= : -1.4884553006826E-12
y0= : -3.0775891978491E-12
*****
i=30114
k(30114)=0.99981342513165
kQ(30114)=0.99962688507349
r1= : 3.419924353621E-12
rpunto1: = 5790837.1403306
rduepunti0 : = -1.7757981532552E+25
fil : = 488.06743114861
fipunto1 : = 1.0665817254645E+18
fi_gradi : = 27964.203922607
t1 : = 1.0808974490068E-14
tpunto1 : = 1.0007970718926
tduepunti0 : = -2.7987520091828E+15
v=v_elettrone : = 6846282.2853361
x0= : -1.4883658463995E-12
y0= : -3.0783873759468E-12
*****
i=30115
k(30115)=0.99981355927321
kQ(30115)=0.99962715330656
r1= : 3.4206715771752E-12
rpunto1: = 5788755.2438135
rduepunti0 : = -1.775170287074E+25
fil : = 488.06755623592
fipunto1 : = 1.066158122044E+18
fi_gradi : = 27964.211089582
t1 : = 1.0808974607441E-14
tpunto1 : = 1.0007967439071
tduepunti0 : = -2.7966329196283E+15
v=v_elettrone : = 6844133.4562093
x0= : -1.4882762625341E-12
y0= : -3.0791852858039E-12
*****
i=30116
k(30116)=0.99981369331914
kQ(30116)=0.99962742134845
r1= : 3.4213504748262E-12
rpunto1: = 5786674.0830006
rduepunti0 : = -1.7745429743226E+25
fil : = 488.06768127355
fipunto1 : = 1.0657349231322E+18
fi_gradi : = 27964.218253711
t1 : = 1.0808974724813E-14
tpunto1 : = 1.0007964161699
tduepunti0 : = -2.7945160493297E+15
v=v_elettrone : = 6841985.5782787
x0= : -1.4881865491714E-12
y0= : -3.0799829275111E-12
```

```
*****
i=30117
k(30117)=0.99981382726953
kQ(30117)=0.99962768919934
r1= : 3.4220291284014E-12
rpunto1: = 5784593.6572437
rduepunti0 : = -1.7739162143446E+25
fil : = 488.06780626155
fipunto1 : = 1.065312128203E+18
fi_gradi : = 27964.225414996
t1 : = 1.0808974842185E-14
tpunto1 : = 1.0007960886808
tduepunti0 : = -2.7924013950191E+15
v=v_elettrone : = 6839838.6516889
x0= : -1.4880967063965E-12
y0= : -3.0807803011584E-12
*****
i=30118
k(30118)=0.99981396112447
kQ(30118)=0.9996279568594
r1= : 3.422707537987E-12
rpunto1: = 5782513.9658951
rduepunti0 : = -1.7732900064843E+25
fil : = 488.06793119996
fipunto1 : = 1.0648897367316E+18
fi_gradi : = 27964.232573439
t1 : = 1.0808974959557E-14
tpunto1 : = 1.0007957614393
tduepunti0 : = -2.7902889534347E+15
v=v_elettrone : = 6837692.6748269
x0= : -1.488006734294E-12
y0= : -3.0815774068362E-12
*****
i=30119
k(30119)=0.99981409488406
kQ(30119)=0.99962822432884
r1= : 3.4233857036691E-12
rpunto1: = 5780435.0083081
rduepunti0 : = -1.7726643500872E+25
fil : = 488.06805608884
fipunto1 : = 1.0644677481938E+18
fi_gradi : = 27964.239729045
t1 : = 1.0808975076929E-14
tpunto1 : = 1.0007954344454
tduepunti0 : = -2.788178721321E+15
v=v_elettrone : = 6835547.6478524
x0= : -1.4879166329488E-12
y0= : -3.0823742446347E-12
*****
i=30120
k(30120)=0.9998142285484
kQ(30120)=0.99962849160783
r1= : 3.4240636255337E-12
rpunto1: = 5778356.7838369
rduepunti0 : = -1.7720392444998E+25
fil : = 488.06818092823
fipunto1 : = 1.0640461620664E+18
fi_gradi : = 27964.246881815
t1 : = 1.0808975194301E-14
tpunto1 : = 1.0007951076986
tduepunti0 : = -2.7860706954281E+15
v=v_elettrone : = 6833403.569137
x0= : -1.4878264024455E-12
y0= : -3.0831708146439E-12
```

```
*****
i=30121
k(30121)=0.99981436211756
kQ(30121)=0.99962875869655
r1= : 3.424741303667E-12
rpunto1: = 5776279.291836
rduepunti0 : = -1.7714146890696E+25
fil : = 488.06830571817
fipunto1 : = 1.063624977827E+18
fi_gradi : = 27964.254031752
t1 : = 1.0808975311673E-14
tpunto1 : = 1.0007947811989
tduepunti0 : = -2.7839648725124E+15
v=v_elettrone : = 6831260.4379753
x0= : -1.4877360428685E-12
y0= : -3.0839671169539E-12
*****
i=30122
k(30122)=0.99981449559165
kQ(30122)=0.99962902559519
r1= : 3.4254187381546E-12
rpunto1: = 5774202.5316612
rduepunti0 : = -1.7707906831452E+25
fil : = 488.06843045872
fipunto1 : = 1.0632041949544E+18
fi_gradi : = 27964.261178859
t1 : = 1.0808975429045E-14
tpunto1 : = 1.0007944549458
tduepunti0 : = -2.7818612493362E+15
v=v_elettrone : = 6829118.2544827
x0= : -1.4876455543025E-12
y0= : -3.0847631516547E-12
*****
i=30123
k(30123)=0.99981462897076
kQ(30123)=0.99962929230394
r1= : 3.4260959290826E-12
rpunto1: = 5772126.5026687
rduepunti0 : = -1.7701672260761E+25
fil : = 488.06855514992
fipunto1 : = 1.0627838129279E+18
fi_gradi : = 27964.268323138
t1 : = 1.0808975546417E-14
tpunto1 : = 1.0007941289392
tduepunti0 : = -2.7797598226677E+15
v=v_elettrone : = 6826977.0161947
x0= : -1.4875549368316E-12
y0= : -3.0855589188361E-12
*****
i=30124
k(30124)=0.99981476225498
kQ(30124)=0.99962955882298
r1= : 3.4267728765365E-12
rpunto1: = 5770051.2042155
rduepunti0 : = -1.7695443172129E+25
fil : = 488.06867979181
fipunto1 : = 1.0623638312279E+18
fi_gradi : = 27964.275464593
t1 : = 1.0808975663788E-14
tpunto1 : = 1.0007938031788
tduepunti0 : = -2.7776605892812E+15
v=v_elettrone : = 6824836.7241198
x0= : -1.4874641905403E-12
y0= : -3.0863544185878E-12
```

```
*****
i=30125
k(30125)=0.9998148954444
kQ(30125)=0.9996298251525
r1= : 3.4274495806022E-12
rpunto1: = 5767976.6356596
rduepunti0 : = -1.7689219559071E+25
fil : = 488.06880438446
fipunto1 : = 1.0619442493357E+18
fi_gradi : = 27964.282603225
t1 : = 1.080897578116E-14
tpunto1 : = 1.0007934776643
tduepunti0 : = -2.7755635459569E+15
v=v_elettrone : = 6822697.3757674
x0= : -1.4873733155126E-12
y0= : -3.0871496509997E-12
*****
i=30126
k(30126)=0.99981502853911
kQ(30126)=0.99963009129267
r1= : 3.4281260413652E-12
rpunto1: = 5765902.7963594
rduepunti0 : = -1.7683001415114E+25
fil : = 488.06892892789
fipunto1 : = 1.0615250667334E+18
fi_gradi : = 27964.289739039
t1 : = 1.0808975898532E-14
tpunto1 : = 1.0007931523956
tduepunti0 : = -2.7734686894809E+15
v=v_elettrone : = 6820558.9721714
x0= : -1.487282311833E-12
y0= : -3.0879446161612E-12
*****
i=30127
k(30127)=0.99981516153921
kQ(30127)=0.99963035724368
r1= : 3.4288022589111E-12
rpunto1: = 5763829.6856744
rduepunti0 : = -1.7676788733794E+25
fil : = 488.06905342216
fipunto1 : = 1.0611062829041E+18
fi_gradi : = 27964.296872035
t1 : = 1.0808976015904E-14
tpunto1 : = 1.0007928273722
tduepunti0 : = -2.7713760166453E+15
v=v_elettrone : = 6818421.5108311
x0= : -1.487191179585E-12
y0= : -3.0887393141622E-12
*****
i=30128
k(30128)=0.99981529444478
kQ(30128)=0.99963062300571
r1= : 3.4294782333252E-12
rpunto1: = 5761757.3029647
rduepunti0 : = -1.7670581508657E+25
fil : = 488.06917786732
fipunto1 : = 1.0606878973317E+18
fi_gradi : = 27964.304002217
t1 : = 1.0808976133275E-14
tpunto1 : = 1.000792502594
tduepunti0 : = -2.7692855242481E+15
v=v_elettrone : = 6816284.9918876
x0= : -1.4870999188529E-12
y0= : -3.0895337450918E-12
```



```
*****
i=30129
k(30129)=0.99981542725592
kQ(30129)=0.99963088857894
r1= : 3.430153964693E-12
rpunto1: = 5759685.6475911
rduepunti0 : = -1.766437973326E+25
fil : = 488.06930226341
fipunto1 : = 1.060269909501E+18
fi_gradi : = 27964.311129588
t1 : = 1.0808976250647E-14
tpunto1 : = 1.0007921780607
tduepunti0 : = -2.767197209093E+15
v=v_elettrone : = 6814149.4146117
x0= : -1.4870085297205E-12
y0= : -3.0903279090397E-12
*****
i=30130
k(30130)=0.99981555997272
kQ(30130)=0.99963115396357
r1= : 3.4308294530997E-12
rpunto1: = 5757614.7189152
rduepunti0 : = -1.765818340117E+25
fil : = 488.06942661048
fipunto1 : = 1.0598523188976E+18
fi_gradi : = 27964.318254151
t1 : = 1.0808976368019E-14
tpunto1 : = 1.0007918537721
tduepunti0 : = -2.76511106799E+15
v=v_elettrone : = 6812014.777379
x0= : -1.4869170122715E-12
y0= : -3.0911218060951E-12
*****
i=30131
k(30131)=0.99981569259527
kQ(30131)=0.99963141915976
r1= : 3.4315046986307E-12
rpunto1: = 5755544.5162994
rduepunti0 : = -1.7651992505962E+25
fil : = 488.06955090858
fipunto1 : = 1.0594351250081E+18
fi_gradi : = 27964.325375907
t1 : = 1.080897648539E-14
tpunto1 : = 1.0007915297279
tduepunti0 : = -2.7630270977545E+15
v=v_elettrone : = 6809881.0803408
x0= : -1.4868253665897E-12
y0= : -3.0919154363472E-12
*****
i=30132
k(30132)=0.99981582512366
kQ(30132)=0.9996316841677
r1= : 3.4321797013709E-12
rpunto1: = 5753475.0391068
rduepunti0 : = -1.7645807041223E+25
fil : = 488.06967515774
fipunto1 : = 1.0590183273201E+18
fi_gradi : = 27964.33249486
t1 : = 1.0808976602762E-14
tpunto1 : = 1.0007912059279
tduepunti0 : = -2.7609452952082E+15
v=v_elettrone : = 6807748.3218684
x0= : -1.4867335927586E-12
y0= : -3.0927087998852E-12
```

```
*****
i=30133
k(30133)=0.99981595755798
kQ(30133)=0.99963194898758
r1= : 3.4328544614056E-12
rpunto1 : = 5751406.2867013
rduepunti0 : = -1.763962700055E+25
fil : = 488.06979935803
fipunto1 : = 1.0586019253216E+18
fi_gradi : = 27964.339611012
t1 : = 1.0808976720133E-14
tpunto1 : = 1.0007908823717
tduepunti0 : = -2.7588656571782E+15
v=v_elettrone : = 6805616.5021201
x0= : -1.4866416908617E-12
y0= : -3.0935018967983E-12
*****
i=30134
k(30134)=0.99981608989832
kQ(30134)=0.99963221361957
r1= : 3.4335289788198E-12
rpunto1 : = 5749338.2584475
rduepunti0 : = -1.763345237755E+25
fil : = 488.06992350948
fipunto1 : = 1.0581859185021E+18
fi_gradi : = 27964.346724366
t1 : = 1.0808976837505E-14
tpunto1 : = 1.0007905590592
tduepunti0 : = -2.7567881804979E+15
v=v_elettrone : = 6803485.6194569
x0= : -1.4865496609826E-12
y0= : -3.0942947271754E-12
*****
i=30135
k(30135)=0.99981622214478
kQ(30135)=0.99963247806386
r1= : 3.4342032536982E-12
rpunto1 : = 5747270.9537108
rduepunti0 : = -1.7627283165839E+25
fil : = 488.07004761214
fipunto1 : = 1.0577703063514E+18
fi_gradi : = 27964.353834925
t1 : = 1.0808976954876E-14
tpunto1 : = 1.0007902359901
tduepunti0 : = -2.7547128620062E+15
v=v_elettrone : = 6801355.6731496
x0= : -1.4864575032044E-12
y0= : -3.0950872911054E-12
*****
i=30136
k(30136)=0.99981635429744
kQ(30136)=0.99963274232062
r1= : 3.4348772861259E-12
rpunto1 : = 5745204.3718574
rduepunti0 : = -1.7621119359044E+25
fil : = 488.07017166606
fipunto1 : = 1.0573550883606E+18
fi_gradi : = 27964.360942691
t1 : = 1.0808977072247E-14
tpunto1 : = 1.0007899131641
tduepunti0 : = -2.7526396985478E+15
v=v_elettrone : = 6799226.6633457
x0= : -1.4863652176107E-12
y0= : -3.0958795886773E-12
```

```
*****
i=30137
k(30137)=0.99981648635639
kQ(30137)=0.99963300639005
r1= : 3.4355510761876E-12
rpunto1: = 5743138.512254
rduepunti0 : = -1.76149609508E+25
fil : = 488.07029567128
fipunto1 : = 1.0569402640214E+18
fi_gradi : = 27964.368047667
t1 : = 1.0808977189619E-14
tpunto1 : = 1.000789590581
tduepunti0 : = -2.7505686869734E+15
v=v_elettrone : = 6797098.5884173
x0= : -1.4862728042844E-12
y0= : -3.0966716199798E-12
*****
i=30138
k(30138)=0.99981661832173
kQ(30138)=0.9996332702723
r1= : 3.4362246239679E-12
rpunto1: = 5741073.3742683
rduepunti0 : = -1.7608807934756E+25
fil : = 488.07041962786
fipunto1 : = 1.0565258328266E+18
fi_gradi : = 27964.375149855
t1 : = 1.080897730699E-14
tpunto1 : = 1.0007892682405
tduepunti0 : = -2.7484998241394E+15
v=v_elettrone : = 6794971.4476236
x0= : -1.4861802633087E-12
y0= : -3.0974633851017E-12
*****
i=30139
k(30139)=0.99981675019354
kQ(30139)=0.99963353396758
r1= : 3.4368979295516E-12
rpunto1: = 5739008.9572686
rduepunti0 : = -1.7602660304565E+25
fil : = 488.07054353583
fipunto1 : = 1.0561117942695E+18
fi_gradi : = 27964.382249259
t1 : = 1.0808977424361E-14
tpunto1 : = 1.0007889461424
tduepunti0 : = -2.7464331069079E+15
v=v_elettrone : = 6792845.2411044
x0= : -1.4860875947665E-12
y0= : -3.0982548841315E-12
*****
i=30140
k(30140)=0.99981688197192
kQ(30140)=0.99963379747606
r1= : 3.4375709930231E-12
rpunto1: = 5736945.260624
rduepunti0 : = -1.7596518053896E+25
fil : = 488.07066739524
fipunto1 : = 1.0556981478447E+18
fi_gradi : = 27964.38934588
t1 : = 1.0808977541733E-14
tpunto1 : = 1.0007886242865
tduepunti0 : = -2.7443685321467E+15
v=v_elettrone : = 6790719.9663569
x0= : -1.4859947987408E-12
y0= : -3.0990461171579E-12
```

```
*****
i=30141
k(30141)=0.99981701365695
kQ(30141)=0.99963406079791
r1= : 3.438243814467E-12
rpunto1: = 5734882.2837045
rduepunti0 : = -1.7590381176424E+25
fil : = 488.07079120614
fipunto1 : = 1.0552848930473E+18
fi_gradi : = 27964.396439722
t1 : = 1.0808977659104E-14
tpunto1 : = 1.0007883026724
tduepunti0 : = -2.7423060967296E+15
v=v_elettrone : = 6788595.6235137
x0= : -1.4859018753145E-12
y0= : -3.0998370842692E-12
*****
i=30142
k(30142)=0.99981714524873
kQ(30142)=0.99963432393331
r1= : 3.4389163939676E-12
rpunto1: = 5732820.0258804
rduepunti0 : = -1.7584249665835E+25
fil : = 488.07091496857
fipunto1 : = 1.0548720293734E+18
fi_gradi : = 27964.403530788
t1 : = 1.0808977776475E-14
tpunto1 : = 1.0007879812999
tduepunti0 : = -2.7402457975359E+15
v=v_elettrone : = 6786472.2127322
x0= : -1.4858088245703E-12
y0= : -3.100627785554E-12
*****
i=30143
k(30143)=0.99981727674734
kQ(30143)=0.99963458688246
r1= : 3.4395887316094E-12
rpunto1: = 5730758.4865233
rduepunti0 : = -1.7578123515824E+25
fil : = 488.07103868258
fipunto1 : = 1.0544595563201E+18
fi_gradi : = 27964.410619078
t1 : = 1.0808977893846E-14
tpunto1 : = 1.0007876601689
tduepunti0 : = -2.7381876314507E+15
v=v_elettrone : = 6784349.7314775
x0= : -1.4857156465908E-12
y0= : -3.1014182211005E-12
*****
i=30144
k(30144)=0.99981740815287
kQ(30144)=0.99963484964552
r1= : 3.4402608274765E-12
rpunto1: = 5728697.665005
rduepunti0 : = -1.7572002720097E+25
fil : = 488.07116234822
fipunto1 : = 1.0540474733851E+18
fi_gradi : = 27964.417704598
t1 : = 1.0808978011217E-14
tpunto1 : = 1.0007873392789
tduepunti0 : = -2.7361315953648E+15
v=v_elettrone : = 6782228.1799139
x0= : -1.4856223414588E-12
y0= : -3.1022083909971E-12
```

```
*****
i=30145
k(30145)=0.99981753946541
kQ(30145)=0.99963511222267
r1= : 3.4409326816531E-12
rpunto1: = 5726637.5606985
rduerpunti0 : = -1.756588727237E+25
fil : = 488.07128596553
fipunto1 : = 1.0536357800671E+18
fi_gradi : = 27964.424787348
t1 : = 1.0808978128588E-14
tpunto1 : = 1.0007870186299
tduerpunti0 : = -2.7340776861747E+15
v=v_elettrone : = 6780107.5581694
x0= : -1.4855289092567E-12
y0= : -3.1029982953317E-12
*****
i=30146
k(30146)=0.99981767068506
kQ(30146)=0.99963537461409
r1= : 3.4416042942234E-12
rpunto1: = 5724578.1729773
rduerpunti0 : = -1.7559777166367E+25
fil : = 488.07140953456
fipunto1 : = 1.0532244758657E+18
fi_gradi : = 27964.431867331
t1 : = 1.0808978245959E-14
tpunto1 : = 1.0007866982214
tduerpunti0 : = -2.7320259007825E+15
v=v_elettrone : = 6777987.8637276
x0= : -1.4854353500668E-12
y0= : -3.1037879341928E-12
*****
i=30147
k(30147)=0.99981780181189
kQ(30147)=0.99963563681997
r1= : 3.4422756652714E-12
rpunto1: = 5722519.5012155
rduerpunti0 : = -1.7553672395823E+25
fil : = 488.07153305535
fipunto1 : = 1.0528135602812E+18
fi_gradi : = 27964.438944551
t1 : = 1.080897836333E-14
tpunto1 : = 1.0007863780534
tduerpunti0 : = -2.7299762360962E+15
v=v_elettrone : = 6775869.0967334
x0= : -1.4853416639715E-12
y0= : -3.1045773076681E-12
*****
i=30148
k(30148)=0.99981793284601
kQ(30148)=0.99963589884047
r1= : 3.4429467948811E-12
rpunto1: = 5720461.5447883
rduerpunti0 : = -1.7547572954483E+25
fil : = 488.07165652795
fipunto1 : = 1.0524030328148E+18
fi_gradi : = 27964.44601901
t1 : = 1.0808978480701E-14
tpunto1 : = 1.0007860581255
tduerpunti0 : = -2.7279286890291E+15
v=v_elettrone : = 6773751.2555545
x0= : -1.485247851053E-12
y0= : -3.1053664158457E-12
```

```
*****
i=30149
k(30149)=0.9998180637875
kQ(30149)=0.99963616067578
r1= : 3.4436176831363E-12
rpunto1: = 5718404.3030712
rduepunti0 : = -1.7541478836101E+25
fil : = 488.0717799524
fipunto1 : = 1.0519928929686E+18
fi_gradi : = 27964.45309071
t1 : = 1.0808978598072E-14
tpunto1 : = 1.0007857384375
tduepunti0 : = -2.7258832565004E+15
v=v_elettrone : = 6771634.3412227
x0= : -1.4851539113938E-12
y0= : -3.1061552588133E-12
*****
i=30150
k(30150)=0.99981819463644
kQ(30150)=0.99963642232607
r1= : 3.4442883301209E-12
rpunto1: = 5716347.7754409
rduepunti0 : = -1.7535390034442E+25
fil : = 488.07190332875
fipunto1 : = 1.0515831402455E+18
fi_gradi : = 27964.460159655
t1 : = 1.0808978715443E-14
tpunto1 : = 1.0007854189891
tduepunti0 : = -2.7238399354349E+15
v=v_elettrone : = 6769518.3512051
x0= : -1.4850598450756E-12
y0= : -3.106943836659E-12
*****
i=30151
k(30151)=0.99981832539293
kQ(30151)=0.99963668379152
r1= : 3.4449587359186E-12
rpunto1: = 5714291.9612745
rduepunti0 : = -1.7529306543278E+25
fil : = 488.07202665705
fipunto1 : = 1.0511737741492E+18
fi_gradi : = 27964.467225846
t1 : = 1.0808978832813E-14
tpunto1 : = 1.0007850997801
tduepunti0 : = -2.721798722763E+15
v=v_elettrone : = 6767403.2856489
x0= : -1.4849656521806E-12
y0= : -3.1077321494702E-12
*****
i=30152
k(30152)=0.99981845605705
kQ(30152)=0.99963694507231
r1= : 3.4456289006132E-12
rpunto1: = 5712236.8599499
rduepunti0 : = -1.7523228356393E+25
fil : = 488.07214993734
fipunto1 : = 1.0507647941844E+18
fi_gradi : = 27964.474289286
t1 : = 1.0808978950184E-14
tpunto1 : = 1.0007847808102
tduepunti0 : = -2.7197596154206E+15
v=v_elettrone : = 6765289.142923
x0= : -1.4848713327907E-12
y0= : -3.1085201973348E-12
```

```
*****
i=30153
k(30153)=0.9998185866289
kQ(30153)=0.99963720616862
r1= : 3.4462988242881E-12
rpunto1: = 5710182.4708458
rduepunti0 : = -1.7517155467581E+25
fil : = 488.07227316966
fipunto1 : = 1.0503561998565E+18
fi_gradi : = 27964.481349978
t1 : = 1.0808979067555E-14
tpunto1 : = 1.0007844620793
tduepunti0 : = -2.7177226103493E+15
v=v_elettrone : = 6763175.9231545
x0= : -1.4847768869878E-12
y0= : -3.1093079803403E-12
*****
i=30154
k(30154)=0.99981871710856
kQ(30154)=0.99963746708061
r1= : 3.446968507027E-12
rpunto1: = 5708128.7933415
rduepunti0 : = -1.7511087870643E+25
fil : = 488.07239635406
fipunto1 : = 1.0499479906718E+18
fi_gradi : = 27964.488407924
t1 : = 1.0808979184926E-14
tpunto1 : = 1.000784143587
tduepunti0 : = -2.7156877044963E+15
v=v_elettrone : = 6761063.6256138
x0= : -1.4846823148536E-12
y0= : -3.1100954985741E-12
*****
i=30155
k(30155)=0.99981884749612
kQ(30155)=0.99963772780847
r1= : 3.4476379489132E-12
rpunto1: = 5706075.8268172
rduepunti0 : = -1.7505025559391E+25
fil : = 488.07251949059
fipunto1 : = 1.0495401661373E+18
fi_gradi : = 27964.495463127
t1 : = 1.0808979302296E-14
tpunto1 : = 1.0007838253331
tduepunti0 : = -2.7136548948143E+15
v=v_elettrone : = 6758952.2495375
x0= : -1.4845876164698E-12
y0= : -3.1108827521237E-12
*****
i=30156
k(30156)=0.99981897779167
kQ(30156)=0.99963798835238
r1= : 3.4483071500303E-12
rpunto1: = 5704023.5706536
rduepunti0 : = -1.7498968527649E+25
fil : = 488.07264257929
fipunto1 : = 1.0491327257611E+18
fi_gradi : = 27964.50251559
t1 : = 1.0808979419667E-14
tpunto1 : = 1.0007835073173
tduepunti0 : = -2.7116241782616E+15
v=v_elettrone : = 6756841.793298
x0= : -1.4844927919178E-12
y0= : -3.1116697410764E-12
```

```
*****
i=30157
k(30157)=0.99981910799529
kQ(30157)=0.9996382487125
r1= : 3.4489761104614E-12
rpunto1: = 5701972.0242324
rduepunti0 : = -1.7492916769246E+25
fil : = 488.0727656202
fipunto1 : = 1.0487256690518E+18
fi_gradi : = 27964.509565316
t1 : = 1.0808979537038E-14
tpunto1 : = 1.0007831895395
tduepunti0 : = -2.709595551802E+15
v=v_elettrone : = 6754732.2561166
x0= : -1.4843978412794E-12
y0= : -3.1124564655196E-12
*****
i=30158
k(30158)=0.99981923810708
kQ(30158)=0.99963850888902
r1= : 3.4496448302898E-12
rpunto1: = 5699921.1869357
rduepunti0 : = -1.7486870278024E+25
fil : = 488.07288861338
fipunto1 : = 1.0483189955192E+18
fi_gradi : = 27964.516612305
t1 : = 1.0808979654408E-14
tpunto1 : = 1.0007828719993
tduepunti0 : = -2.7075690124049E+15
v=v_elettrone : = 6752623.6390692
x0= : -1.4843027646359E-12
y0= : -3.1132429255404E-12
*****
i=30159
k(30159)=0.99981936812712
kQ(30159)=0.99963876888211
r1= : 3.4503133095987E-12
rpunto1: = 5697871.0581466
rduepunti0 : = -1.7480829047834E+25
fil : = 488.07301155886
fipunto1 : = 1.0479127046735E+18
fi_gradi : = 27964.523656563
t1 : = 1.0808979771779E-14
tpunto1 : = 1.0007825546966
tduepunti0 : = -2.7055445570451E+15
v=v_elettrone : = 6750515.9386941
x0= : -1.4842075620686E-12
y0= : -3.114029121226E-12
*****
i=30160
k(30160)=0.99981949805549
kQ(30160)=0.99963902869194
r1= : 3.4509815484711E-12
rpunto1: = 5695821.6372488
rduepunti0 : = -1.7474793072534E+25
fil : = 488.0731344567
fipunto1 : = 1.0475067960262E+18
fi_gradi : = 27964.53069809
t1 : = 1.0808979889149E-14
tpunto1 : = 1.0007822376311
tduepunti0 : = -2.703522182703E+15
v=v_elettrone : = 6748409.1569293
x0= : -1.484112233659E-12
y0= : -3.1148150526632E-12
```



```
*****
i=30161
k(30161)=0.9998196278923
kQ(30161)=0.99963928831869
r1= : 3.4516495469902E-12
rpunto1: = 5693772.9236268
rduepunti0 : = -1.7468762345995E+25
fil : = 488.07325730692
fipunto1 : = 1.0471012690892E+18
fi_gradi : = 27964.537736889
t1 : = 1.0808980006519E-14
tpunto1 : = 1.0007819208024
tduepunti0 : = -2.7015018863646E+15
v=v_elettrone : = 6746303.291243
x0= : -1.4840167794879E-12
y0= : -3.1156007199394E-12
*****
i=30162
k(30162)=0.99981975763761
kQ(30162)=0.99963954776254
r1= : 3.4523173052388E-12
rpunto1: = 5691724.9166656
rduepunti0 : = -1.7462736862096E+25
fil : = 488.07338010959
fipunto1 : = 1.0466961233755E+18
fi_gradi : = 27964.544772964
t1 : = 1.080898012389E-14
tpunto1 : = 1.0007816042105
tduepunti0 : = -2.699483665021E+15
v=v_elettrone : = 6744198.3408672
x0= : -1.4839211996366E-12
y0= : -3.1163861231411E-12
*****
i=30163
k(30163)=0.99981988729153
kQ(30163)=0.99963980702365
r1= : 3.4529848232998E-12
rpunto1: = 5689677.6157511
rduepunti0 : = -1.7456716614725E+25
fil : = 488.07350286475
fipunto1 : = 1.0462913583988E+18
fi_gradi : = 27964.551806316
t1 : = 1.080898024126E-14
tpunto1 : = 1.0007812878551
tduepunti0 : = -2.6974675156693E+15
v=v_elettrone : = 6742094.3059523
x0= : -1.4838254941863E-12
y0= : -3.1171712623554E-12
*****
i=30164
k(30164)=0.99982001685414
kQ(30164)=0.99964006610221
r1= : 3.4536521012561E-12
rpunto1: = 5687631.02027
rduepunti0 : = -1.7450701597779E+25
fil : = 488.07362557243
fipunto1 : = 1.0458869736737E+18
fi_gradi : = 27964.558836949
t1 : = 1.0808980358631E-14
tpunto1 : = 1.0007809717358
tduepunti0 : = -2.6954534353117E+15
v=v_elettrone : = 6739991.1857549
x0= : -1.4837296632177E-12
y0= : -3.1179561376689E-12
```

```
*****
i=30165
k(30165)=0.99982014632552
kQ(30165)=0.99964032499839
r1= : 3.4543191391903E-12
rpunto1: = 5685585.1296095
rduepunti0 : = -1.7444691805167E+25
fil : = 488.07374823269
fipunto1 : = 1.0454829687156E+18
fi_gradi : = 27964.565864864
t1 : = 1.0808980476001E-14
tpunto1 : = 1.0007806558525
tduepunti0 : = -2.6934414209558E+15
v=v_elettrone : = 6737888.9786073
x0= : -1.4836337068117E-12
y0= : -3.1187407491683E-12
*****
i=30166
k(30166)=0.99982027570576
kQ(30166)=0.99964058371235
r1= : 3.4549859371851E-12
rpunto1: = 5683539.9431577
rduepunti0 : = -1.7438687230804E+25
fil : = 488.07387084556
fipunto1 : = 1.0450793430405E+18
fi_gradi : = 27964.572890064
t1 : = 1.0808980593371E-14
tpunto1 : = 1.000780340205
tduepunti0 : = -2.6914314696149E+15
v=v_elettrone : = 6735787.6837586
x0= : -1.4835376250491E-12
y0= : -3.1195250969403E-12
*****
i=30167
k(30167)=0.999820404999496
kQ(30167)=0.99964084224428
r1= : 3.4556524953232E-12
rpunto1: = 5681495.4603032
rduepunti0 : = -1.7432687868617E+25
fil : = 488.0739934111
fipunto1 : = 1.0446760961656E+18
fi_gradi : = 27964.579912552
t1 : = 1.0808980710741E-14
tpunto1 : = 1.0007800247929
tduepunti0 : = -2.6894235783076E+15
v=v_elettrone : = 6733687.3013608
x0= : -1.4834414180107E-12
y0= : -3.1203091810713E-12
*****
i=30168
k(30168)=0.99982053419319
kQ(30168)=0.99964110059435
r1= : 3.4563188136869E-12
rpunto1: = 5679451.6804355
rduepunti0 : = -1.7426693712541E+25
fil : = 488.07411592935
fipunto1 : = 1.0442732276087E+18
fi_gradi : = 27964.586932331
t1 : = 1.0808980828111E-14
tpunto1 : = 1.000779709616
tduepunti0 : = -2.6874177440579E+15
v=v_elettrone : = 6731587.8306498
x0= : -1.483345085777E-12
y0= : -3.1210930016477E-12
```

```
*****
i=30169
k(30169)=0.99982066330054
kQ(30169)=0.99964135876272
r1= : 3.4569848923588E-12
rpunto1 : = 5677408.6029447
rduepunti0 : = -1.7420704756522E+25
fil : = 488.07423840035
fipunto1 : = 1.0438707368883E+18
fi_gradi : = 27964.593949402
t1 : = 1.0808980945482E-14
tpunto1 : = 1.0007793946742
tduepunti0 : = -2.6854139638951E+15
v=v_elettrone : = 6729489.2699732
x0= : -1.4832486284286E-12
y0= : -3.1218765587561E-12
*****
i=30170
k(30170)=0.99982079231709
kQ(30170)=0.99964161674958
r1= : 3.4576507314213E-12
rpunto1 : = 5675366.2272218
rduepunti0 : = -1.7414720994512E+25
fil : = 488.07436082415
fipunto1 : = 1.043468623524E+18
fi_gradi : = 27964.600963769
t1 : = 1.0808981062852E-14
tpunto1 : = 1.0007790799671
tduepunti0 : = -2.683412234854E+15
v=v_elettrone : = 6727391.6194735
x0= : -1.4831520460458E-12
y0= : -3.1226598524827E-12
*****
i=30171
k(30171)=0.99982092124295
kQ(30171)=0.9996418745551
r1= : 3.4583163309566E-12
rpunto1 : = 5673324.5526582
rduepunti0 : = -1.7408742420475E+25
fil : = 488.07448320078
fipunto1 : = 1.0430668870359E+18
fi_gradi : = 27964.607975434
t1 : = 1.0808981180222E-14
tpunto1 : = 1.0007787654945
tduepunti0 : = -2.6814125539748E+15
v=v_elettrone : = 6725294.8774977
x0= : -1.4830553387092E-12
y0= : -3.1234428829138E-12
*****
i=30172
k(30172)=0.99982105007818
kQ(30172)=0.99964213217944
r1= : 3.458981691047E-12
rpunto1 : = 5671283.5786462
rduepunti0 : = -1.7402769028385E+25
fil : = 488.0746055303
fipunto1 : = 1.0426655269451E+18
fi_gradi : = 27964.614984399
t1 : = 1.0808981297592E-14
tpunto1 : = 1.0007784512563
tduepunti0 : = -2.6794149183031E+15
v=v_elettrone : = 6723199.0441808
x0= : -1.4829585064989E-12
y0= : -3.1242256501354E-12
```

```
*****
i=30173
k(30173)=0.99982117882288
kQ(30173)=0.99964238962278
r1= : 3.4596468117746E-12
rpunto1: = 5669243.3045787
rduepunti0 : = -1.7396800812224E+25
fil : = 488.07472781275
fipunto1 : = 1.0422645427735E+18
fi_gradi : = 27964.621990667
t1 : = 1.0808981414962E-14
tpunto1 : = 1.000778137252
tduepunti0 : = -2.6774193248896E+15
v=v_elettrone : = 6721104.1187672
x0= : -1.4828615494953E-12
y0= : -3.1250081542337E-12
*****
i=30174
k(30174)=0.99982130747714
kQ(30174)=0.99964264688529
r1= : 3.4603116932216E-12
rpunto1: = 5667203.7298496
rduepunti0 : = -1.7390837765981E+25
fil : = 488.07485004818
fipunto1 : = 1.0418639340438E+18
fi_gradi : = 27964.628994241
t1 : = 1.0808981532332E-14
tpunto1 : = 1.0007778234816
tduepunti0 : = -2.6754257707907E+15
v=v_elettrone : = 6719010.0996056
x0= : -1.4827644677782E-12
y0= : -3.1257903952947E-12
*****
i=30175
k(30175)=0.99982143604103
kQ(30175)=0.99964290396715
r1= : 3.4609763354698E-12
rpunto1: = 5665164.8538531
rduepunti0 : = -1.7384879883659E+25
fil : = 488.07497223662
fipunto1 : = 1.0414637002794E+18
fi_gradi : = 27964.635995123
t1 : = 1.0808981649702E-14
tpunto1 : = 1.0007775099447
tduepunti0 : = -2.6734342530678E+15
v=v_elettrone : = 6716916.9859279
x0= : -1.4826672614279E-12
y0= : -3.1265723734044E-12
*****
i=30176
k(30176)=0.99982156451465
kQ(30176)=0.99964316086852
r1= : 3.4616407386014E-12
rpunto1: = 5663126.6759844
rduepunti0 : = -1.7378927159267E+25
fil : = 488.07509437812
fipunto1 : = 1.0410638410045E+18
fi_gradi : = 27964.642993316
t1 : = 1.0808981767072E-14
tpunto1 : = 1.0007771966412
tduepunti0 : = -2.6714447687878E+15
v=v_elettrone : = 6714824.7787835
x0= : -1.4825699305245E-12
y0= : -3.1273540886485E-12
```

```
*****
i=30177
k(30177)=0.99982169289807
kQ(30177)=0.99964341758957
r1= : 3.4623049026981E-12
rpunto1: = 5661089.1956392
rduepunti0 : = -1.7372979586823E+25
fil : = 488.07521647273
fipunto1 : = 1.0406643557443E+18
fi_gradi : = 27964.649988821
t1 : = 1.0808981884441E-14
tpunto1 : = 1.0007768835707
tduepunti0 : = -2.6694573150229E+15
v=v_elettrone : = 6712733.4747002
x0= : -1.4824724751477E-12
y0= : -3.128135541113E-12
*****
i=30178
k(30178)=0.9998218211914
kQ(30178)=0.99964367413048
r1= : 3.4629688278418E-12
rpunto1: = 5659052.4122139
rduepunti0 : = -1.7367037160357E+25
fil : = 488.07533852048
fipunto1 : = 1.0402652440246E+18
fi_gradi : = 27964.656981643
t1 : = 1.0808982001811E-14
tpunto1 : = 1.0007765707331
tduepunti0 : = -2.6674718888505E+15
v=v_elettrone : = 6710643.0756298
x0= : -1.4823748953774E-12
y0= : -3.1289167308835E-12
*****
i=30179
k(30179)=0.9998219493947
kQ(30179)=0.99964393049142
r1= : 3.4636325141142E-12
rpunto1: = 5657016.3251059
rduepunti0 : = -1.7361099873905E+25
fil : = 488.07546052143
fipunto1 : = 1.0398665053721E+18
fi_gradi : = 27964.663971782
t1 : = 1.0808982119181E-14
tpunto1 : = 1.0007762581281
tduepunti0 : = -2.6654884873534E+15
v=v_elettrone : = 6708553.5789973
x0= : -1.4822771912932E-12
y0= : -3.1296976580456E-12
*****
i=30180
k(30180)=0.99982207750807
kQ(30180)=0.99964418667256
r1= : 3.464295961597E-12
rpunto1: = 5654980.933713
rduepunti0 : = -1.7355167721513E+25
fil : = 488.07558247562
fipunto1 : = 1.0394681393141E+18
fi_gradi : = 27964.670959242
t1 : = 1.0808982236551E-14
tpunto1 : = 1.0007759457554
tduepunti0 : = -2.6635071076195E+15
v=v_elettrone : = 6706464.9849615
x0= : -1.482179362975E-12
y0= : -3.130478322685E-12
```

```
*****
i=30181
k(30181)=0.99982220553159
kQ(30181)=0.99964444267406
r1= : 3.4649591703717E-12
rpunto1 : = 5652946.2374337
rduepunti0 : = -1.7349240697239E+25
fil : = 488.07570438308
fipunto1 : = 1.0390701453791E+18
fi_gradi : = 27964.677944025
t1 : = 1.080898235392E-14
tpunto1 : = 1.0007756336149
tduepunti0 : = -2.6615277467422E+15
v=v_elettrone : = 6704377.2927422
x0= : -1.4820814105021E-12
y0= : -3.1312587248871E-12
*****
i=30182
k(30182)=0.99982233346535
kQ(30182)=0.9996446984961
r1= : 3.4656221405199E-12
rpunto1 : = 5650912.2356674
rduepunti0 : = -1.7343318795146E+25
fil : = 488.07582624387
fipunto1 : = 1.0386725230958E+18
fi_gradi : = 27964.684926134
t1 : = 1.080898247129E-14
tpunto1 : = 1.0007753217063
tduepunti0 : = -2.6595504018199E+15
v=v_elettrone : = 6702290.5006809
x0= : -1.4819833339541E-12
y0= : -3.1320388647374E-12
*****
i=30183
k(30183)=0.99982246130943
kQ(30183)=0.99964495413885
r1= : 3.4662848721231E-12
rpunto1 : = 5648878.927814
rduepunti0 : = -1.7337402009308E+25
fil : = 488.07594805803
fipunto1 : = 1.0382752719943E+18
fi_gradi : = 27964.691905571
t1 : = 1.080898258866E-14
tpunto1 : = 1.0007750100294
tduepunti0 : = -2.6575750699563E+15
v=v_elettrone : = 6700204.6098253
x0= : -1.4818851334106E-12
y0= : -3.1328187423212E-12
*****
i=30184
k(30184)=0.99982258906391
kQ(30184)=0.99964520960247
r1= : 3.4669473652625E-12
rpunto1 : = 5646846.3132741
rduepunti0 : = -1.7331490333808E+25
fil : = 488.0760698256
fipunto1 : = 1.0378783916051E+18
fi_gradi : = 27964.698882339
t1 : = 1.0808982706029E-14
tpunto1 : = 1.0007746985839
tduepunti0 : = -2.6556017482605E+15
v=v_elettrone : = 6698119.6176
x0= : -1.4817868089505E-12
y0= : -3.1335983577238E-12
```

```
*****
i=30185
k(30185)=0.99982271672889
kQ(30185)=0.99964546488714
r1= : 3.4676096200196E-12
rpunto1 : = 5644814.3914492
rduepunti0 : = -1.7325583762739E+25
fil : = 488.07619154662
fipunto1 : = 1.0374818814597E+18
fi_gradi : = 27964.70585644
t1 : = 1.0808982823399E-14
tpunto1 : = 1.0007743873696
tduepunti0 : = -2.6536304338467E+15
v=v_elettrone : = 6696035.524145
x0= : -1.4816883606534E-12
y0= : -3.1343777110305E-12
*****
i=30186
k(30186)=0.99982284430444
kQ(30186)=0.99964571999303
r1= : 3.4682716364755E-12
rpunto1 : = 5642783.1617413
rduepunti0 : = -1.7319682290202E+25
fil : = 488.07631322114
fipunto1 : = 1.0370857410901E+18
fi_gradi : = 27964.712827876
t1 : = 1.0808982940768E-14
tpunto1 : = 1.0007740763862
tduepunti0 : = -2.6516611238341E+15
v=v_elettrone : = 6693952.3277943
x0= : -1.4815897885984E-12
y0= : -3.1351568023264E-12
*****
i=30187
k(30187)=0.99982297179065
kQ(30187)=0.99964597492029
r1= : 3.4689334147115E-12
rpunto1 : = 5640752.6235531
rduepunti0 : = -1.7313785910306E+25
fil : = 488.0764348492
fipunto1 : = 1.0366899700293E+18
fi_gradi : = 27964.719796651
t1 : = 1.0808983058138E-14
tpunto1 : = 1.0007737656336
tduepunti0 : = -2.6496938153475E+15
v=v_elettrone : = 6691870.0295868
x0= : -1.4814910928647E-12
y0= : -3.1359356316964E-12
*****
i=30188
k(30188)=0.99982309918761
kQ(30188)=0.99964622966912
r1= : 3.4695949548086E-12
rpunto1 : = 5638722.7762881
rduepunti0 : = -1.7307894617171E+25
fil : = 488.07655643084
fipunto1 : = 1.0362945678111E+18
fi_gradi : = 27964.726762766
t1 : = 1.0808983175507E-14
tpunto1 : = 1.0007734551115
tduepunti0 : = -2.6477285055164E+15
v=v_elettrone : = 6689788.6278574
x0= : -1.4813922735311E-12
y0= : -3.1367141992257E-12
```

```
*****
i=30189
k(30189)=0.99982322649539
kQ(30189)=0.99964648423966
r1= : 3.4702562568478E-12
rpunto1: = 5636693.6193504
rduepunti0 : = -1.7302008404926E+25
fil : = 488.07667796611
fipunto1 : = 1.0358995339701E+18
fi_gradi : = 27964.733726224
t1 : = 1.0808983292877E-14
tpunto1 : = 1.0007731448196
tduepunti0 : = -2.6457651914759E+15
v=v_elettrone : = 6687708.1209319
x0= : -1.4812933306767E-12
y0= : -3.1374925049991E-12
*****
i=30190
k(30190)=0.99982335371409
kQ(30190)=0.99964673863209
r1= : 3.4709173209102E-12
rpunto1: = 5634665.1521447
rduepunti0 : = -1.7296127267706E+25
fil : = 488.07679945506
fipunto1 : = 1.0355048680414E+18
fi_gradi : = 27964.740687028
t1 : = 1.0808983410246E-14
tpunto1 : = 1.0007728347577
tduepunti0 : = -2.6438038703661E+15
v=v_elettrone : = 6685628.5098621
x0= : -1.4811942643805E-12
y0= : -3.1382705491015E-12
*****
i=30191
k(30191)=0.99982348084378
kQ(30191)=0.99964699284658
r1= : 3.4715781470766E-12
rpunto1: = 5632637.3740766
rduepunti0 : = -1.729025119966E+25
fil : = 488.07692089772
fipunto1 : = 1.0351105695612E+18
fi_gradi : = 27964.74764518
t1 : = 1.0808983527615E-14
tpunto1 : = 1.0007725249257
tduepunti0 : = -2.641844539332E+15
v=v_elettrone : = 6683549.792963
x0= : -1.4810950747209E-12
y0= : -3.1390483316177E-12
*****
i=30192
k(30192)=0.99982360788456
kQ(30192)=0.99964724688329
r1= : 3.4722387354279E-12
rpunto1: = 5630610.2845523
rduepunti0 : = -1.7284380194941E+25
fil : = 488.07704229413
fipunto1 : = 1.0347166380664E+18
fi_gradi : = 27964.754600682
t1 : = 1.0808983644985E-14
tpunto1 : = 1.0007722153231
tduepunti0 : = -2.6398871955241E+15
v=v_elettrone : = 6681471.9694712
x0= : -1.4809957617769E-12
y0= : -3.1398258526324E-12
```



```
*****
i=30193
k(30193)=0.99982373483649
kQ(30193)=0.99964750074239
r1= : 3.4728990860447E-12
rpunto1: = 5628583.8829786
rduepunti0 : = -1.7278514247714E+25
fil : = 488.07716364435
fipunto1 : = 1.0343230730944E+18
fi_gradi : = 27964.761553537
t1 : = 1.0808983762354E-14
tpunto1 : = 1.0007719059499
tduepunti0 : = -2.6379318360979E+15
v=v_elettrone : = 6679395.0386286
x0= : -1.480896325627E-12
y0= : -3.1406031122302E-12
*****
i=30194
k(30194)=0.99982386169968
kQ(30194)=0.99964775442406
r1= : 3.4735591990078E-12
rpunto1: = 5626558.1687631
rduepunti0 : = -1.7272653352152E+25
fil : = 488.07728494841
fipunto1 : = 1.0339298741839E+18
fi_gradi : = 27964.768503748
t1 : = 1.0808983879723E-14
tpunto1 : = 1.0007715968058
tduepunti0 : = -2.635978458214E+15
v=v_elettrone : = 6677318.9996575
x0= : -1.4807967663498E-12
y0= : -3.1413801104957E-12
*****
i=30195
k(30195)=0.9998239884742
kQ(30195)=0.99964800792845
r1= : 3.4742190743978E-12
rpunto1: = 5624533.141314
rduepunti0 : = -1.7266797502437E+25
fil : = 488.07740620635
fipunto1 : = 1.0335370408738E+18
fi_gradi : = 27964.775451316
t1 : = 1.0808983997092E-14
tpunto1 : = 1.0007712878906
tduepunti0 : = -2.6340270590379E+15
v=v_elettrone : = 6675243.8517923
x0= : -1.4806970840239E-12
y0= : -3.1421568475133E-12
*****
i=30196
k(30196)=0.99982411516013
kQ(30196)=0.99964826125573
r1= : 3.4748787122952E-12
rpunto1: = 5622508.8000402
rduepunti0 : = -1.726094669276E+25
fil : = 488.07752741822
fipunto1 : = 1.0331445727041E+18
fi_gradi : = 27964.782396245
t1 : = 1.0808984114461E-14
tpunto1 : = 1.000770979204
tduepunti0 : = -2.6320776357405E+15
v=v_elettrone : = 6673169.5951637
x0= : -1.4805972787275E-12
y0= : -3.1429333233675E-12
```

```
*****
i=30197
k(30197)=0.99982424175756
kQ(30197)=0.99964851440607
r1= : 3.4755381127805E-12
rpunto1: = 5620485.1443513
rduepunti0 : = -1.725510091732E+25
fil : = 488.07764858407
fipunto1 : = 1.0327524692156E+18
fi_gradi : = 27964.789338537
t1 : = 1.0808984231831E-14
tpunto1 : = 1.0007706707457
tduepunti0 : = -2.6301301854977E+15
v=v_elettrone : = 6671096.2281024
x0= : -1.4804973505391E-12
y0= : -3.1437095381426E-12
*****
i=30198
k(30198)=0.99982436826657
kQ(30198)=0.99964876737964
r1= : 3.4761972759341E-12
rpunto1: = 5618462.1736576
rduepunti0 : = -1.7249260170326E+25
fil : = 488.07776970393
fipunto1 : = 1.0323607299497E+18
fi_gradi : = 27964.796278193
t1 : = 1.08089843492E-14
tpunto1 : = 1.0007703625157
tduepunti0 : = -2.6281847054903E+15
v=v_elettrone : = 6669023.7507458
x0= : -1.4803972995368E-12
y0= : -3.144485491923E-12
*****
i=30199
k(30199)=0.99982449468724
kQ(30199)=0.9996490201766
r1= : 3.4768562018364E-12
rpunto1: = 5616439.88737
rduepunti0 : = -1.7243424445995E+25
fil : = 488.07789077785
fipunto1 : = 1.0319693544486E+18
fi_gradi : = 27964.803215218
t1 : = 1.0808984466569E-14
tpunto1 : = 1.0007700545135
tduepunti0 : = -2.6262411929044E+15
v=v_elettrone : = 6666952.16141
x0= : -1.4802971257987E-12
y0= : -3.1452611847928E-12
*****
i=30200
k(30200)=0.99982462101967
kQ(30200)=0.99964927279712
r1= : 3.4775148905676E-12
rpunto1: = 5614418.2849002
rduepunti0 : = -1.7237593738554E+25
fil : = 488.07801180586
fipunto1 : = 1.0315783422552E+18
fi_gradi : = 27964.810149612
t1 : = 1.0808984583938E-14
tpunto1 : = 1.0007697467391
tduepunti0 : = -2.6242996449308E+15
v=v_elettrone : = 6664881.4602367
x0= : -1.480196829403E-12
y0= : -3.1460366168361E-12
```

```
*****
i=30201
k(30201)=0.99982474726392
kQ(30201)=0.99964952524137
r1= : 3.4781733422078E-12
rpunto1: = 5612397.3656604
rduepunti0 : = -1.7231768042238E+25
fil : = 488.07813278802
fipunto1 : = 1.0311876929134E+18
fi_gradi : = 27964.81708138
t1 : = 1.0808984701307E-14
tpunto1 : = 1.0007694391921
tduepunti0 : = -2.6223600587658E+15
v=v_elettrone : = 6662811.6455407
x0= : -1.4800964104276E-12
y0= : -3.1468117881371E-12
*****
i=30202
k(30202)=0.99982487342009
kQ(30202)=0.9996497775095
r1= : 3.4788315568373E-12
rpunto1: = 5610377.1290636
rduepunti0 : = -1.722594735129E+25
fil : = 488.07825372437
fipunto1 : = 1.0307974059677E+18
fi_gradi : = 27964.824010522
t1 : = 1.0808984818676E-14
tpunto1 : = 1.0007691318724
tduepunti0 : = -2.6204224316103E+15
v=v_elettrone : = 6660742.7165576
x0= : -1.4799958689506E-12
y0= : -3.1475866987796E-12
*****
i=30203
k(30203)=0.99982499948825
kQ(30203)=0.99965002960169
r1= : 3.4794895345361E-12
rpunto1: = 5608357.5745236
rduepunti0 : = -1.7220131659963E+25
fil : = 488.07837461494
fipunto1 : = 1.0304074809633E+18
fi_gradi : = 27964.830937041
t1 : = 1.0808984936044E-14
tpunto1 : = 1.0007688247797
tduepunti0 : = -2.6184867606704E+15
v=v_elettrone : = 6658674.6743319
x0= : -1.4798952050498E-12
y0= : -3.1483613488477E-12
*****
i=30204
k(30204)=0.99982512546849
kQ(30204)=0.99965028151809
r1= : 3.4801472753842E-12
rpunto1: = 5606338.7014545
rduepunti0 : = -1.7214320962519E+25
fil : = 488.07849545979
fipunto1 : = 1.0300179174462E+18
fi_gradi : = 27964.837860941
t1 : = 1.0808985053413E-14
tpunto1 : = 1.0007685179138
tduepunti0 : = -2.6165530431573E+15
v=v_elettrone : = 6656607.5162553
x0= : -1.4797944188029E-12
y0= : -3.1491357384251E-12
```

```
*****
i=30205
k(30205)=0.9998252513609
kQ(30205)=0.99965053325888
r1= : 3.4808047794615E-12
rpunto1 : = 5604320.5092714
rduepunti0 : = -1.7208515253227E+25
fil : = 488.07861625894
fipunto1 : = 1.0296287149632E+18
fi_gradi : = 27964.844782223
t1 : = 1.0808985170782E-14
tpunto1 : = 1.0007682112744
tduepunti0 : = -2.614621276287E+15
v=v_elettrone : = 6654541.2424834
x0= : -1.4796935102877E-12
y0= : -3.1499098675957E-12
*****
i=30206
k(30206)=0.99982537716554
kQ(30206)=0.99965078482422
r1= : 3.4814620468478E-12
rpunto1 : = 5602302.99739
rduepunti0 : = -1.7202714526367E+25
fil : = 488.07873701245
fipunto1 : = 1.0292398730618E+18
fi_gradi : = 27964.851700889
t1 : = 1.0808985288151E-14
tpunto1 : = 1.0007679048614
tduepunti0 : = -2.6126914572805E+15
v=v_elettrone : = 6652475.8522377
x0= : -1.4795924795817E-12
y0= : -3.1506837364431E-12
*****
i=30207
k(30207)=0.99982550288252
kQ(30207)=0.99965103621427
r1= : 3.482119077623E-12
rpunto1 : = 5600286.1652266
rduepunti0 : = -1.7196918776225E+25
fil : = 488.07885772036
fipunto1 : = 1.0288513912903E+18
fi_gradi : = 27964.858616943
t1 : = 1.080898540552E-14
tpunto1 : = 1.0007675986744
tduepunti0 : = -2.6107635833638E+15
v=v_elettrone : = 6650411.344733
x0= : -1.4794913267626E-12
y0= : -3.151457345051E-12
*****
i=30208
k(30208)=0.99982562851189
kQ(30208)=0.9996512874292
r1= : 3.4827758718667E-12
rpunto1 : = 5598270.0121982
rduepunti0 : = -1.7191127997099E+25
fil : = 488.07897838271
fipunto1 : = 1.0284632691978E+18
fi_gradi : = 27964.865530386
t1 : = 1.0808985522888E-14
tpunto1 : = 1.0007672927134
tduepunti0 : = -2.608837651768E+15
v=v_elettrone : = 6648347.7192113
x0= : -1.4793900519077E-12
y0= : -3.152230693503E-12
```

```
*****
i=30209
k(30209)=0.99982575405376
kQ(30209)=0.99965153846918
r1= : 3.4834324296587E-12
rpunto1: = 5596254.5377225
rduepunti0 : = -1.7185342183294E+25
fil : = 488.07909899953
fipunto1 : = 1.0280755063339E+18
fi_gradi : = 27964.872441221
t1 : = 1.0808985640257E-14
tpunto1 : = 1.0007669869779
tduepunti0 : = -2.606913659729E+15
v=v_elettrone : = 6646284.9739706
x0= : -1.4792886550944E-12
y0= : -3.1530037818826E-12
*****
i=30210
k(30210)=0.9998258795082
kQ(30210)=0.99965178933435
r1= : 3.4840887510784E-12
rpunto1: = 5594239.7412178
rduepunti0 : = -1.7179561329122E+25
fil : = 488.07921957089
fipunto1 : = 1.0276881022493E+18
fi_gradi : = 27964.879349451
t1 : = 1.0808985757626E-14
tpunto1 : = 1.0007666814679
tduepunti0 : = -2.6049916044876E+15
v=v_elettrone : = 6644223.1109738
x0= : -1.4791871364004E-12
y0= : -3.1537766102731E-12
*****
i=30211
k(30211)=0.9998260048753
kQ(30211)=0.9996520400249
r1= : 3.4847448362055E-12
rpunto1: = 5592225.6221031
rduepunti0 : = -1.7173785428906E+25
fil : = 488.0793400968
fipunto1 : = 1.0273010564951E+18
fi_gradi : = 27964.886255077
t1 : = 1.0808985874994E-14
tpunto1 : = 1.0007663761831
tduepunti0 : = -2.6030714832897E+15
v=v_elettrone : = 6642162.1267172
x0= : -1.4790854959024E-12
y0= : -3.1545491787579E-12
*****
i=30212
k(30212)=0.99982613015513
kQ(30212)=0.99965229054097
r1= : 3.4854006851192E-12
rpunto1: = 5590212.1797982
rduepunti0 : = -1.7168014476977E+25
fil : = 488.07946057733
fipunto1 : = 1.0269143686234E+18
fi_gradi : = 27964.893158103
t1 : = 1.0808985992363E-14
tpunto1 : = 1.0007660711232
tduepunti0 : = -2.6011532933858E+15
v=v_elettrone : = 6640102.0213217
x0= : -1.4789837336779E-12
y0= : -3.1553214874204E-12
```

```

*****
i=30213
k(30213)=0.99982625534777
kQ(30213)=0.99965254088275
r1= : 3.4860562978991E-12
rpunto1 : = 5588199.4137232
rduepunti0 : = -1.7162248467675E+25
fil : = 488.0795810125
fipunto1 : = 1.026528038187E+18
fi_gradi : = 27964.90005853
t1 : = 1.0808986109731E-14
tpunto1 : = 1.0007657662881
tduepunti0 : = -2.5992370320317E+15
v=v_elettrone : = 6638042.7949277
x0= : -1.478881849804E-12
y0= : -3.1560935363436E-12
*****
i=30214
k(30214)=0.99982638045331
kQ(30214)=0.99965279105037
r1= : 3.4867116746245E-12
rpunto1 : = 5586187.3232994
rduepunti0 : = -1.7156487395347E+25
fil : = 488.07970140237
fipunto1 : = 1.0261420647393E+18
fi_gradi : = 27964.906956361
t1 : = 1.08089862271E-14
tpunto1 : = 1.0007654616775
tduepunti0 : = -2.5973226964878E+15
v=v_elettrone : = 6635984.4467679
x0= : -1.4787798443576E-12
y0= : -3.1568653256108E-12
*****
i=30215
k(30215)=0.99982650547184
kQ(30215)=0.99965304104402
r1= : 3.4873668153744E-12
rpunto1 : = 5584175.9079482
rduepunti0 : = -1.715073125435E+25
fil : = 488.07982174697
fipunto1 : = 1.0257564478345E+18
fi_gradi : = 27964.913851599
t1 : = 1.0808986344468E-14
tpunto1 : = 1.0007651572912
tduepunti0 : = -2.5954102840195E+15
v=v_elettrone : = 6633926.9751281
x0= : -1.4786777174155E-12
y0= : -3.1576368553051E-12
*****
i=30216
k(30216)=0.99982663040342
kQ(30216)=0.99965329086386
r1= : 3.4880217202283E-12
rpunto1 : = 5582165.167092
rduepunti0 : = -1.714498003905E+25
fil : = 488.07994204635
fipunto1 : = 1.0253711870277E+18
fi_gradi : = 27964.920744246
t1 : = 1.0808986461837E-14
tpunto1 : = 1.0007648531289
tduepunti0 : = -2.5934997918971E+15
v=v_elettrone : = 6631870.3792601
x0= : -1.4785754690548E-12
y0= : -3.1584081255095E-12

```

```
*****
i=30217
k(30217)=0.99982675524815
kQ(30217)=0.99965354051003
r1= : 3.488676389265E-12
rpunto1 : = 5580155.1001538
rduepunti0 : = -1.7139233743821E+25
fil : = 488.08006230054
fipunto1 : = 1.0249862818745E+18
fi_gradi : = 27964.927634303
t1 : = 1.0808986579205E-14
tpunto1 : = 1.0007645491905
tduepunti0 : = -2.5915912173956E+15
v=v_elettrone : = 6629814.6601737
x0= : -1.4784730993523E-12
y0= : -3.1591791363067E-12
*****
i=30218
k(30218)=0.99982688000609
kQ(30218)=0.99965378998272
r1= : 3.4893308225637E-12
rpunto1 : = 5578145.7065573
rduepunti0 : = -1.7133492363044E+25
fil : = 488.08018250959
fipunto1 : = 1.0246017319313E+18
fi_gradi : = 27964.934521775
t1 : = 1.0808986696574E-14
tpunto1 : = 1.0007642454757
tduepunti0 : = -2.5896845577951E+15
v=v_elettrone : = 6627759.8153
x0= : -1.4783706083844E-12
y0= : -3.1599498877799E-12
*****
i=30219
k(30219)=0.99982700467735
kQ(30219)=0.99965403928207
r1= : 3.4899850202034E-12
rpunto1 : = 5576136.9857266
rduepunti0 : = -1.712775589111E+25
fil : = 488.08030267354
fipunto1 : = 1.0242175367553E+18
fi_gradi : = 27964.941406662
t1 : = 1.0808986813942E-14
tpunto1 : = 1.0007639419842
tduepunti0 : = -2.5877798103804E+15
v=v_elettrone : = 6625705.844745
x0= : -1.478267996228E-12
y0= : -3.1607203800117E-12
*****
i=30220
k(30220)=0.99982712926198
kQ(30220)=0.99965428840825
r1= : 3.4906389822629E-12
rpunto1 : = 5574128.9370869
rduepunti0 : = -1.7122024322419E+25
fil : = 488.08042279244
fipunto1 : = 1.0238336959045E+18
fi_gradi : = 27964.948288968
t1 : = 1.080898693131E-14
tpunto1 : = 1.0007636387159
tduepunti0 : = -2.5858769724411E+15
v=v_elettrone : = 6623652.7477394
x0= : -1.4781652629596E-12
y0= : -3.1614906130849E-12
```

```
*****
i=30221
k(30221)=0.99982725376008
kQ(30221)=0.99965453736143
r1= : 3.4912927088212E-12
rpunto1: = 5572121.5600637
rduepunti0 : = -1.7116297651379E+25
fil : = 488.08054286632
fipunto1 : = 1.0234502089375E+18
fi_gradi : = 27964.955168694
t1 : = 1.0808987048678E-14
tpunto1 : = 1.0007633356706
tduepunti0 : = -2.5839760412716E+15
v=v_elettrone : = 6621600.5234977
x0= : -1.4780624086557E-12
y0= : -3.1622605870821E-12
*****
i=30222
k(30222)=0.99982737817173
kQ(30222)=0.99965478614176
r1= : 3.4919461999568E-12
rpunto1: = 5570114.8540832
rduepunti0 : = -1.7110575872406E+25
fil : = 488.08066289522
fipunto1 : = 1.0230670754135E+18
fi_gradi : = 27964.962045844
t1 : = 1.0808987166047E-14
tpunto1 : = 1.000763032848
tduepunti0 : = -2.5820770141713E+15
v=v_elettrone : = 6619549.1712459
x0= : -1.4779594333927E-12
y0= : -3.1630303020858E-12
*****
i=30223
k(30223)=0.999827502497
kQ(30223)=0.9996550347494
r1= : 3.4925994557486E-12
rpunto1: = 5568108.8185724
rduepunti0 : = -1.7104858979925E+25
fil : = 488.08078287919
fipunto1 : = 1.0226842948928E+18
fi_gradi : = 27964.968920419
t1 : = 1.0808987283415E-14
tpunto1 : = 1.0007627302479
tduepunti0 : = -2.5801798884441E+15
v=v_elettrone : = 6617498.6901886
x0= : -1.4778563372469E-12
y0= : -3.1637997581787E-12
*****
i=30224
k(30224)=0.99982762673599
kQ(30224)=0.99965528318451
r1= : 3.4932524762752E-12
rpunto1: = 5566103.4529589
rduepunti0 : = -1.7099146968369E+25
fil : = 488.08090281827
fipunto1 : = 1.0223018669361E+18
fi_gradi : = 27964.975792422
t1 : = 1.0808987400783E-14
tpunto1 : = 1.00076242787
tduepunti0 : = -2.578284661399E+15
v=v_elettrone : = 6615449.0804704
x0= : -1.4777531202947E-12
y0= : -3.1645689554432E-12
```



```
*****
i=30225
k(30225)=0.99982775088875
kQ(30225)=0.99965553144726
r1= : 3.4939052616151E-12
rpunto1: = 5564098.7566708
rduepunti0 : = -1.709343983218E+25
fil : = 488.0810227125
fipunto1 : = 1.0219197911049E+18
fi_gradi : = 27964.982661855
t1 : = 1.0808987518151E-14
tpunto1 : = 1.0007621257142
tduepunti0 : = -2.5763913303497E+15
v=v_elettrone : = 6613400.3403833
x0= : -1.4776497826121E-12
y0= : -3.1653378939616E-12
*****
i=30226
k(30226)=0.99982787495539
kQ(30226)=0.99965577953781
r1= : 3.4945578118468E-12
rpunto1: = 5562094.7291371
rduepunti0 : = -1.7087737565807E+25
fil : = 488.08114256191
fipunto1 : = 1.0215380669615E+18
fi_gradi : = 27964.989528721
t1 : = 1.0808987635519E-14
tpunto1 : = 1.0007618237802
tduepunti0 : = -2.5744998926144E+15
v=v_elettrone : = 6611352.4691549
x0= : -1.4775463242753E-12
y0= : -3.1661065738162E-12
*****
i=30227
k(30227)=0.99982799893597
kQ(30227)=0.99965602745631
r1= : 3.4952101270489E-12
rpunto1: = 5560091.3697873
rduepunti0 : = -1.708204016371E+25
fil : = 488.08126236656
fipunto1 : = 1.0211566940689E+18
fi_gradi : = 27964.996393021
t1 : = 1.0808987752887E-14
tpunto1 : = 1.0007615220678
tduepunti0 : = -2.5726103455164E+15
v=v_elettrone : = 6609305.4669029
x0= : -1.4774427453604E-12
y0= : -3.1668749950893E-12
*****
i=30228
k(30228)=0.99982812283058
kQ(30228)=0.99965627520292
r1= : 3.4958622072995E-12
rpunto1: = 5558088.6780515
rduepunti0 : = -1.7076347620355E+25
fil : = 488.08138212649
fipunto1 : = 1.0207756719908E+18
fi_gradi : = 27965.00325476
t1 : = 1.0808987870255E-14
tpunto1 : = 1.0007612205768
tduepunti0 : = -2.5707226863835E+15
v=v_elettrone : = 6607259.3328513
x0= : -1.4773390459433E-12
y0= : -3.167643157863E-12
```

```
*****
i=30229
k(30229)=0.9998282466393
kQ(30229)=0.99965652277781
r1= : 3.4965140526771E-12
rpunto1: = 5556086.6533606
rduepunti0 : = -1.7070659930217E+25
fil : = 488.08150184172
fipunto1 : = 1.0203950002916E+18
fi_gradi : = 27965.010113937
t1 : = 1.0808987987623E-14
tpunto1 : = 1.000760919307
tduepunti0 : = -2.5688369125485E+15
v=v_elettrone : = 6605214.0662201
x0= : -1.4772352260999E-12
y0= : -3.1684110622195E-12
*****
i=30230
k(30230)=0.9998283703622
kQ(30230)=0.99965677018114
r1= : 3.4971656632598E-12
rpunto1: = 5554085.295146
rduepunti0 : = -1.706497708778E+25
fil : = 488.08162151231
fipunto1 : = 1.0200146785364E+18
fi_gradi : = 27965.016970557
t1 : = 1.0808988104991E-14
tpunto1 : = 1.0007606182581
tduepunti0 : = -2.5669530213487E+15
v=v_elettrone : = 6603169.6652941
x0= : -1.4771312859059E-12
y0= : -3.1691787082407E-12
*****
i=30231
k(30231)=0.99982849399937
kQ(30231)=0.99965701741305
r1= : 3.4978170391259E-12
rpunto1: = 5552084.6028398
rduepunti0 : = -1.7059299087535E+25
fil : = 488.0817411383
fipunto1 : = 1.0196347062911E+18
fi_gradi : = 27965.023824622
t1 : = 1.0808988222359E-14
tpunto1 : = 1.0007603174299
tduepunti0 : = -2.5650710101263E+15
v=v_elettrone : = 6601126.1311271
x0= : -1.4770272254372E-12
y0= : -3.1699460960087E-12
*****
i=30232
k(30232)=0.99982861755089
kQ(30232)=0.99965726447372
r1= : 3.4984681803534E-12
rpunto1: = 5550084.5758749
rduepunti0 : = -1.7053625923984E+25
fil : = 488.08186071973
fipunto1 : = 1.0192550831222E+18
fi_gradi : = 27965.030676133
t1 : = 1.0808988339727E-14
tpunto1 : = 1.0007600168223
tduepunti0 : = -2.5631908762279E+15
v=v_elettrone : = 6599083.4611048
x0= : -1.4769230447693E-12
y0= : -3.1707132256054E-12
```

```
*****
i=30233
k(30233)=0.99982874101683
kQ(30233)=0.9996575113633
r1= : 3.4991190870203E-12
rpunto1 : = 5548085.2136846
rduepunti0 : = -1.7047957591634E+25
fil : = 488.08198025663
fipunto1 : = 1.0188758085971E+18
fi_gradi : = 27965.037525093
t1 : = 1.0808988457095E-14
tpunto1 : = 1.0007597164349
tduepunti0 : = -2.5613126170051E+15
v=v_elettrone : = 6597041.6562652
x0= : -1.476818743978E-12
y0= : -3.1714800971124E-12
*****
i=30234
k(30234)=0.99982886439728
kQ(30234)=0.99965775808195
r1= : 3.4997697592047E-12
rpunto1 : = 5546086.5157029
rduepunti0 : = -1.7042294085002E+25
fil : = 488.08209974906
fipunto1 : = 1.0184968822837E+18
fi_gradi : = 27965.044371504
t1 : = 1.0808988574463E-14
tpunto1 : = 1.0007594162675
tduepunti0 : = -2.5594362298141E+15
v=v_elettrone : = 6595000.7149054
x0= : -1.4767143231387E-12
y0= : -3.1722467106117E-12
*****
i=30235
k(30235)=0.99982898769231
kQ(30235)=0.99965800462983
r1= : 3.5004201969843E-12
rpunto1 : = 5544088.4813646
rduepunti0 : = -1.7036635398613E+25
fil : = 488.08221919704
fipunto1 : = 1.0181183037506E+18
fi_gradi : = 27965.05121537
t1 : = 1.080898869183E-14
tpunto1 : = 1.00075911632
tduepunti0 : = -2.5575617120158E+15
v=v_elettrone : = 6592960.6371592
x0= : -1.4766097823269E-12
y0= : -3.1730130661849E-12
*****
i=30236
k(30236)=0.999829110902
kQ(30236)=0.99965825100709
r1= : 3.5010704004372E-12
rpunto1 : = 5542091.110105
rduepunti0 : = -1.7030981527001E+25
fil : = 488.08233860063
fipunto1 : = 1.0177400725674E+18
fi_gradi : = 27965.058056691
t1 : = 1.0808988809198E-14
tpunto1 : = 1.0007588165922
tduepunti0 : = -2.5556890609756E+15
v=v_elettrone : = 6590921.4213211
x0= : -1.4765051216178E-12
y0= : -3.1737791639136E-12
```

```

*****
i=30237
k(30237)=0.99982923402644
kQ(30237)=0.9996584972139
r1= : 3.5017203696409E-12
rpunto1 : = 5540094.40136
rduepunti0 : = -1.7025332464708E+25
fil : = 488.08245795985
fipunto1 : = 1.0173621883041E+18
fi_gradi : = 27965.064895471
t1 : = 1.0808988926566E-14
tpunto1 : = 1.0007585170837
tduepunti0 : = -2.5538182740639E+15
v=v_elettrone : = 6588883.0665936
x0= : -1.4764003410869E-12
y0= : -3.1745450038794E-12
*****
i=30238
k(30238)=0.9998293570657
kQ(30238)=0.99965874325041
r1= : 3.5023701046732E-12
rpunto1 : = 5538098.3545662
rduepunti0 : = -1.7019688206282E+25
fil : = 488.08257727476
fipunto1 : = 1.0169846505315E+18
fi_gradi : = 27965.071731712
t1 : = 1.0808989043933E-14
tpunto1 : = 1.0007582177944
tduepunti0 : = -2.5519493486553E+15
v=v_elettrone : = 6586845.5740337
x0= : -1.4762954408094E-12
y0= : -3.1753105861637E-12
*****
i=30239
k(30239)=0.99982948001986
kQ(30239)=0.99965898911678
r1= : 3.5030196056118E-12
rpunto1 : = 5536102.969161
rduepunti0 : = -1.7014048746282E+25
fil : = 488.08269654539
fipunto1 : = 1.0166074588211E+18
fi_gradi : = 27965.078565415
t1 : = 1.0808989161301E-14
tpunto1 : = 1.0007579187241
tduepunti0 : = -2.5500822821294E+15
v=v_elettrone : = 6584808.9410095
x0= : -1.4761904208604E-12
y0= : -3.1760759108479E-12
*****
i=30240
k(30240)=0.99982960288899
kQ(30240)=0.99965923481316
r1= : 3.5036688725341E-12
rpunto1 : = 5534108.2445821
rduepunti0 : = -1.7008414079274E+25
fil : = 488.08281577178
fipunto1 : = 1.0162306127452E+18
fi_gradi : = 27965.085396585
t1 : = 1.0808989278669E-14
tpunto1 : = 1.0007576198725
tduepunti0 : = -2.5482170718703E+15
v=v_elettrone : = 6582773.1685681
x0= : -1.476085281315E-12
y0= : -3.1768409780135E-12

```

```

*****
i=30241
k(30241)=0.99982972567319
kQ(30241)=0.99965948033972
r1= : 3.5043179055178E-12
rpunto1: = 5532114.1802681
rduerpunto0 : = -1.7002784199833E+25
fil : = 488.08293495398
fipunto1 : = 1.0158541118767E+18
fi_gradi : = 27965.092225222
t1 : = 1.0808989396036E-14
tpunto1 : = 1.0007573212395
tduerpunto0 : = -2.5463537152667E+15
v=v_elettrone : = 6580738.2540874
x0= : -1.475980022248E-12
y0= : -3.1776057877417E-12
*****
i=30242
k(30242)=0.99982984837252
kQ(30242)=0.99965972569661
r1= : 3.5049667046402E-12
rpunto1: = 5530120.7756582
rduerpunto0 : = -1.6997159102541E+25
fil : = 488.08305409203
fipunto1 : = 1.0154779557893E+18
fi_gradi : = 27965.099051329
t1 : = 1.0808989513404E-14
tpunto1 : = 1.0007570228248
tduerpunto0 : = -2.5444922097119E+15
v=v_elettrone : = 6578704.1986049
x0= : -1.4758746437347E-12
y0= : -3.1783703401136E-12
*****
i=30243
k(30243)=0.99982997098706
kQ(30243)=0.99965997088399
r1= : 3.5056152699788E-12
rpunto1: = 5528128.0301922
rduerpunto0 : = -1.6991538781988E+25
fil : = 488.08317318595
fipunto1 : = 1.0151021440571E+18
fi_gradi : = 27965.105874908
t1 : = 1.0808989630771E-14
tpunto1 : = 1.0007567246281
tduerpunto0 : = -2.5426325526039E+15
v=v_elettrone : = 6576671.0004198
x0= : -1.4757691458496E-12
y0= : -3.1791346352105E-12
*****
i=30244
k(30244)=0.9998300935169
kQ(30244)=0.99966021590201
r1= : 3.5062636016107E-12
rpunto1: = 5526135.9433104
rduerpunto0 : = -1.6985923232774E+25
fil : = 488.08329223581
fipunto1 : = 1.0147266762554E+18
fi_gradi : = 27965.112695962
t1 : = 1.0808989748139E-14
tpunto1 : = 1.0007564266494
tduerpunto0 : = -2.5407747413451E+15
v=v_elettrone : = 6574638.6587272
x0= : -1.4756635286677E-12
y0= : -3.1798986731134E-12

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*****
i=30245
k(30245)=0.99983021596211
kQ(30245)=0.99966046075083
r1= : 3.5069116996133E-12
rpunto1: = 5524144.514454
rduepunti0 : = -1.6980312449506E+25
fil : = 488.08341124163
fipunto1 : = 1.0143515519596E+18
fi_gradi : = 27965.119514493
t1 : = 1.0808989865506E-14
tpunto1 : = 1.0007561288883
tduepunti0 : = -2.5389187733427E+15
v=v_elettrone : = 6572607.1745915
x0= : -1.4755577922638E-12
y0= : -3.1806624539032E-12
*****
i=30246
k(30246)=0.99983033832276
kQ(30246)=0.99966070543061
r1= : 3.5075595640638E-12
rpunto1: = 5522153.7430646
rduepunti0 : = -1.6974706426799E+25
fil : = 488.08353020345
fipunto1 : = 1.0139767707464E+18
fi_gradi : = 27965.126330504
t1 : = 1.0808989982873E-14
tpunto1 : = 1.0007558313447
tduepunti0 : = -2.5370646460082E+15
v=v_elettrone : = 6570576.5444408
x0= : -1.4754519367122E-12
y0= : -3.1814259776611E-12
*****
i=30247
k(30247)=0.99983046059895
kQ(30247)=0.9996609499415
r1= : 3.5082071950391E-12
rpunto1: = 5520163.6285845
rduepunti0 : = -1.6969105159275E+25
fil : = 488.08364912132
fipunto1 : = 1.0136023321927E+18
fi_gradi : = 27965.133143996
t1 : = 1.0808990100241E-14
tpunto1 : = 1.0007555340183
tduepunti0 : = -2.535212356758E+15
v=v_elettrone : = 6568546.7702649
x0= : -1.4753459620879E-12
y0= : -3.1821892444677E-12
*****
i=30248
k(30248)=0.99983058279073
kQ(30248)=0.99966119428366
r1= : 3.5088545926165E-12
rpunto1: = 5518174.1704567
rduepunti0 : = -1.6963508641566E+25
fil : = 488.08376799528
fipunto1 : = 1.0132282358764E+18
fi_gradi : = 27965.139954972
t1 : = 1.0808990217608E-14
tpunto1 : = 1.0007552369089
tduepunti0 : = -2.5333619030127E+15
v=v_elettrone : = 6566517.8503275
x0= : -1.475239868465E-12
y0= : -3.182952254404E-12

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```
*****
i=30249
k(30249)=0.9998307048982
kQ(30249)=0.99966143845724
r1= : 3.5095017568728E-12
rpunto1 : = 5516185.3681247
rduepunti0 : = -1.6957916868311E+25
fil : = 488.08388682536
fipunto1 : = 1.012854481376E+18
fi_gradi : = 27965.146763434
t1 : = 1.0808990334975E-14
tpunto1 : = 1.0007549400164
tduepunti0 : = -2.5315132821978E+15
v=v_elettrone : = 6564489.7829237
x0= : -1.4751336559181E-12
y0= : -3.1837150075507E-12
*****
i=30250
k(30250)=0.99983082692143
kQ(30250)=0.9996616824624
r1= : 3.5101486878849E-12
rpunto1 : = 5514197.2210328
rduepunti0 : = -1.6952329834158E+25
fil : = 488.08400561161
fipunto1 : = 1.0124810682705E+18
fi_gradi : = 27965.153569385
t1 : = 1.0808990452342E-14
tpunto1 : = 1.0007546433404
tduepunti0 : = -2.5296664917429E+15
v=v_elettrone : = 6562462.569108
x0= : -1.4750273245217E-12
y0= : -3.1844775039883E-12
*****
i=30251
k(30251)=0.9998309488605
kQ(30251)=0.99966192629929
r1= : 3.5107953857298E-12
rpunto1 : = 5512209.7286259
rduepunti0 : = -1.6946747533762E+25
fil : = 488.08412435407
fipunto1 : = 1.01210799614E+18
fi_gradi : = 27965.160372827
t1 : = 1.080899056971E-14
tpunto1 : = 1.0007543468808
tduepunti0 : = -2.5278215290825E+15
v=v_elettrone : = 6560436.2080641
x0= : -1.4749208743498E-12
y0= : -3.1852397437975E-12
*****
i=30252
k(30252)=0.99983107071548
kQ(30252)=0.99966216996807
r1= : 3.5114418504841E-12
rpunto1 : = 5510222.8903492
rduepunti0 : = -1.6941169961787E+25
fil : = 488.08424305277
fipunto1 : = 1.0117352645648E+18
fi_gradi : = 27965.167173761
t1 : = 1.0808990687077E-14
tpunto1 : = 1.0007540506373
tduepunti0 : = -2.5259783916553E+15
v=v_elettrone : = 6558410.6981027
x0= : -1.4748143054767E-12
y0= : -3.186001727059E-12
```

```
*****
i=30253
k(30253)=0.99983119248646
kQ(30253)=0.9996624134689
r1= : 3.5120880822247E-12
rpunto1: = 5508236.705649
rduepunti0 : = -1.6935597112903E+25
fil : = 488.08436170776
fipunto1 : = 1.0113628731263E+18
fi_gradi : = 27965.173972191
t1 : = 1.0808990804444E-14
tpunto1 : = 1.0007537546098
tduepunti0 : = -2.5241370769049E+15
v=v_elettrone : = 6556386.0383989
x0= : -1.4747076179765E-12
y0= : -3.186763453853E-12
*****
i=30254
k(30254)=0.99983131417351
kQ(30254)=0.99966265680192
r1= : 3.5127340810281E-12
rpunto1: = 5506251.173972
rduepunti0 : = -1.693002898179E+25
fil : = 488.08448031908
fipunto1 : = 1.0109908214063E+18
fi_gradi : = 27965.180768119
t1 : = 1.0808990921811E-14
tpunto1 : = 1.0007534587981
tduepunti0 : = -2.522297582279E+15
v=v_elettrone : = 6554362.229106
x0= : -1.4746008119234E-12
y0= : -3.1875249242601E-12
*****
i=30255
k(30255)=0.9998314357767
kQ(30255)=0.99966289996729
r1= : 3.5133798469709E-12
rpunto1: = 5504266.2947654
rduepunti0 : = -1.6924465563136E+25
fil : = 488.08459888676
fipunto1 : = 1.0106191089875E+18
fi_gradi : = 27965.187561547
t1 : = 1.0808991039178E-14
tpunto1 : = 1.0007531632018
tduepunti0 : = -2.52045990523E+15
v=v_elettrone : = 6552339.2694109
x0= : -1.4744938873914E-12
y0= : -3.1882861383605E-12
*****
i=30256
k(30256)=0.99983155729612
kQ(30256)=0.99966314296518
r1= : 3.5140253801297E-12
rpunto1: = 5502282.0674772
rduepunti0 : = -1.6918906851636E+25
fil : = 488.08471741085
fipunto1 : = 1.0102477354531E+18
fi_gradi : = 27965.194352477
t1 : = 1.0808991156545E-14
tpunto1 : = 1.0007528678209
tduepunti0 : = -2.5186240432146E+15
v=v_elettrone : = 6550317.1594335
x0= : -1.4743868444543E-12
y0= : -3.1890470962344E-12
```



```
*****
i=30257
k(30257)=0.99983167873183
kQ(30257)=0.99966338579572
r1= : 3.5146706805809E-12
rpunto1: = 5500298.4915561
rduepunti0 : = -1.6913352841993E+25
fil : = 488.08483589138
fipunto1 : = 1.009876700387E+18
fi_gradi : = 27965.201140912
t1 : = 1.0808991273912E-14
tpunto1 : = 1.000752572655
tduepunti0 : = -2.5167899936942E+15
v=v_elettrone : = 6548295.8965518
x0= : -1.4742796831859E-12
y0= : -3.1898077979623E-12
*****
i=30258
k(30258)=0.99983180008393
kQ(30258)=0.99966362845907
r1= : 3.5153157484009E-12
rpunto1: = 5498315.5664511
rduepunti0 : = -1.6907803528918E+25
fil : = 488.0849543284
fipunto1 : = 1.0095060033739E+18
fi_gradi : = 27965.207926853
t1 : = 1.0808991391279E-14
tpunto1 : = 1.0007522777041
tduepunti0 : = -2.5149577541344E+15
v=v_elettrone : = 6546275.4817862
x0= : -1.4741724036601E-12
y0= : -3.190568243624E-12
*****
i=30259
k(30259)=0.99983192135248
kQ(30259)=0.99966387095539
r1= : 3.5159605836661E-12
rpunto1: = 5496333.2916121
rduepunti0 : = -1.690225890713E+25
fil : = 488.08507272195
fipunto1 : = 1.0091356439991E+18
fi_gradi : = 27965.214710303
t1 : = 1.0808991508646E-14
tpunto1 : = 1.0007519829678
tduepunti0 : = -2.5131273220054E+15
v=v_elettrone : = 6544255.9134396
x0= : -1.4740650059504E-12
y0= : -3.1913284332998E-12
*****
i=30260
k(30260)=0.99983204253756
kQ(30260)=0.99966411328483
r1= : 3.5166051864526E-12
rpunto1: = 5494351.6664896
rduepunti0 : = -1.6896718971357E+25
fil : = 488.08519107206
fipunto1 : = 1.0087656218486E+18
fi_gradi : = 27965.221491265
t1 : = 1.0808991626013E-14
tpunto1 : = 1.000751688446
tduepunti0 : = -2.5112986947819E+15
v=v_elettrone : = 6542237.1916238
x0= : -1.4739574901307E-12
y0= : -3.1920883670696E-12
```

```
*****
i=30261
k(30261)=0.99983216363925
kQ(30261)=0.99966435544754
r1= : 3.5172495568368E-12
rpunto1: = 5492370.6905345
rduepunti0 : = -1.6891183716333E+25
fil : = 488.08530937877
fipunto1 : = 1.0083959365091E+18
fi_gradi : = 27965.228269741
t1 : = 1.080899174338E-14
tpunto1 : = 1.0007513941384
tduepunti0 : = -2.5094718699427E+15
v=v_elettrone : = 6540219.3146145
x0= : -1.4738498562745E-12
y0= : -3.1928480450133E-12
*****
i=30262
k(30262)=0.99983228465762
kQ(30262)=0.99966459744368
r1= : 3.5178936948947E-12
rpunto1: = 5490390.3631985
rduepunti0 : = -1.6885653136801E+25
fil : = 488.08542764213
fipunto1 : = 1.0080265875677E+18
fi_gradi : = 27965.235045732
t1 : = 1.0808991860746E-14
tpunto1 : = 1.0007511000448
tduepunti0 : = -2.5076468449715E+15
v=v_elettrone : = 6538202.2834644
x0= : -1.4737421044553E-12
y0= : -3.1936074672108E-12
*****
i=30263
k(30263)=0.99983240559276
kQ(30263)=0.9996648392734
r1= : 3.5185376007024E-12
rpunto1: = 5488410.683934
rduepunti0 : = -1.6880127227512E+25
fil : = 488.08554586217
fipunto1 : = 1.0076575746126E+18
fi_gradi : = 27965.241819241
t1 : = 1.0808991978113E-14
tpunto1 : = 1.0007508061651
tduepunti0 : = -2.5058236173559E+15
v=v_elettrone : = 6536186.095524
x0= : -1.4736342347463E-12
y0= : -3.1943666337419E-12
*****
i=30264
k(30264)=0.99983252644473
kQ(30264)=0.99966508093685
r1= : 3.5191812743358E-12
rpunto1: = 5486431.6521938
rduepunti0 : = -1.6874605983224E+25
fil : = 488.08566403893
fipunto1 : = 1.0072888972324E+18
fi_gradi : = 27965.248590271
t1 : = 1.080899209548E-14
tpunto1 : = 1.000750512499
tduepunti0 : = -2.5040021845884E+15
v=v_elettrone : = 6534170.7518341
x0= : -1.4735262472211E-12
y0= : -3.1951255446863E-12
```

```
*****
i=30265
k(30265)=0.99983264721361
kQ(30265)=0.99966532243418
r1= : 3.5198247158711E-12
rpunto1 : = 5484453.2674315
rduepunti0 : = -1.6869089398703E+25
fil : = 488.08578217246
fipunto1 : = 1.0069205550165E+18
fi_gradi : = 27965.255358824
t1 : = 1.0808992212847E-14
tpunto1 : = 1.0007502190463
tduepunti0 : = -2.5021825441653E+15
v=v_elettrone : = 6532156.2506808
x0= : -1.4734181419529E-12
y0= : -3.1958842001236E-12
*****
i=30266
k(30266)=0.99983276789949
kQ(30266)=0.99966556376555
r1= : 3.5204679253839E-12
rpunto1 : = 5482475.529101
rduepunti0 : = -1.6863577468724E+25
fil : = 488.08590026279
fipunto1 : = 1.0065525475548E+18
fi_gradi : = 27965.262124901
t1 : = 1.0808992330213E-14
tpunto1 : = 1.0007499258068
tduepunti0 : = -2.5003646935879E+15
v=v_elettrone : = 6530142.5912541
x0= : -1.473309919015E-12
y0= : -3.1966426001336E-12
*****
i=30267
k(30267)=0.99983288850243
kQ(30267)=0.99966580493111
r1= : 3.5211109029502E-12
rpunto1 : = 5480498.4366573
rduepunti0 : = -1.6858070188068E+25
fil : = 488.08601830995
fipunto1 : = 1.006184874438E+18
fi_gradi : = 27965.268888505
t1 : = 1.080899244758E-14
tpunto1 : = 1.0007496327803
tduepunti0 : = -2.4985486303614E+15
v=v_elettrone : = 6528129.7746009
x0= : -1.4732015784804E-12
y0= : -3.1974007447956E-12
*****
i=30268
k(30268)=0.99983300902251
kQ(30268)=0.999666045931
r1= : 3.5217536486456E-12
rpunto1 : = 5478521.9895556
rduepunti0 : = -1.6852567551525E+25
fil : = 488.086136314
fipunto1 : = 1.0058175352574E+18
fi_gradi : = 27965.275649639
t1 : = 1.0808992564947E-14
tpunto1 : = 1.0007493399665
tduepunti0 : = -2.4967343519956E+15
v=v_elettrone : = 6526117.7980807
x0= : -1.4730931204221E-12
y0= : -3.1981586341893E-12
```

```
*****
i=30269
k(30269)=0.99983312945981
kQ(30269)=0.99966628676539
r1= : 3.522396162546E-12
rpunto1 : = 5476546.1872518
rduepunti0 : = -1.6847069553893E+25
fil : = 488.08625427497
fipunto1 : = 1.0054505296051E+18
fi_gradi : = 27965.282408305
t1 : = 1.0808992682313E-14
tpunto1 : = 1.0007490473654
tduepunti0 : = -2.4949218560045E+15
v=v_elettrone : = 6524106.6617916
x0= : -1.4729845449133E-12
y0= : -3.1989162683939E-12
*****
i=30270
k(30270)=0.9998332498144
kQ(30270)=0.99966652743442
r1= : 3.5230384447268E-12
rpunto1 : = 5474571.0292026
rduepunti0 : = -1.6841576189976E+25
fil : = 488.08637219289
fipunto1 : = 1.0050838570736E+18
fi_gradi : = 27965.289164504
t1 : = 1.080899279968E-14
tpunto1 : = 1.0007487549765
tduepunti0 : = -2.4931111399066E+15
v=v_elettrone : = 6522096.3649499
x0= : -1.4728758520268E-12
y0= : -3.1996736474889E-12
*****
i=30271
k(30271)=0.99983337008635
kQ(30271)=0.99966676793823
r1= : 3.5236804952636E-12
rpunto1 : = 5472596.5148651
rduepunti0 : = -1.6836087454589E+25
fil : = 488.08649006781
fipunto1 : = 1.0047175172564E+18
fi_gradi : = 27965.29591824
t1 : = 1.0808992917046E-14
tpunto1 : = 1.0007484627999
tduepunti0 : = -2.4913022012246E+15
v=v_elettrone : = 6520086.906751
x0= : -1.4727670418355E-12
y0= : -3.2004307715534E-12
*****
i=30272
k(30272)=0.99983349027575
kQ(30272)=0.999667008277
r1= : 3.524322314232E-12
rpunto1 : = 5470622.6436971
rduepunti0 : = -1.6830603342551E+25
fil : = 488.08660789977
fipunto1 : = 1.0043515097473E+18
fi_gradi : = 27965.302669514
t1 : = 1.0808993034413E-14
tpunto1 : = 1.0007481708352
tduepunti0 : = -2.4894950374857E+15
v=v_elettrone : = 6518078.2873055
x0= : -1.4726581144122E-12
y0= : -3.2011876406667E-12
```

```
*****
i=30273
k(30273)=0.99983361038268
kQ(30273)=0.99966724845085
r1= : 3.5249639017074E-12
rpunto1: = 5468649.415157
rduepunti0 : = -1.6825123848691E+25
fil : = 488.0867256888
fipunto1 : = 1.003985834141E+18
fi_gradi : = 27965.309418328
t1 : = 1.0808993151779E-14
tpunto1 : = 1.0007478790822
tduepunti0 : = -2.4876896462211E+15
v=v_elettrone : = 6516070.5048919
x0= : -1.4725490698297E-12
y0= : -3.2019442549079E-12
*****
i=30274
k(30274)=0.99983373040719
kQ(30274)=0.99966748845996
r1= : 3.5256052577651E-12
rpunto1: = 5466676.8287037
rduepunti0 : = -1.6819648967844E+25
fil : = 488.08684343495
fipunto1 : = 1.0036204900328E+18
fi_gradi : = 27965.316164685
t1 : = 1.0808993269146E-14
tpunto1 : = 1.0007475875407
tduepunti0 : = -2.4858860249666E+15
v=v_elettrone : = 6514063.5605538
x0= : -1.4724399081606E-12
y0= : -3.202700614356E-12
*****
i=30275
k(30275)=0.99983385034937
kQ(30275)=0.99966772830445
r1= : 3.5262463824804E-12
rpunto1: = 5464704.883797
rduepunti0 : = -1.6814178694856E+25
fil : = 488.08696113825
fipunto1 : = 1.0032554770186E+18
fi_gradi : = 27965.322908588
t1 : = 1.0808993386512E-14
tpunto1 : = 1.0007472962106
tduepunti0 : = -2.4840841712622E+15
v=v_elettrone : = 6512057.4516292
x0= : -1.4723306294772E-12
y0= : -3.2034567190902E-12
*****
i=30276
k(30276)=0.9998339702093
kQ(30276)=0.9996679679845
r1= : 3.5268872759286E-12
rpunto1: = 5462733.5798968
rduepunti0 : = -1.6808713024577E+25
fil : = 488.08707879874
fipunto1 : = 1.002890794695E+18
fi_gradi : = 27965.329650037
t1 : = 1.0808993503878E-14
tpunto1 : = 1.0007470050915
tduepunti0 : = -2.4822840826521E+15
v=v_elettrone : = 6510052.1782439
x0= : -1.4722212338524E-12
y0= : -3.2042125691893E-12
```

```
*****
i=30277
k(30277)=0.99983408998705
kQ(30277)=0.99966820750023
r1= : 3.5275279381849E-12
rpunto1 : = 5460762.9164642
rduepunti0 : = -1.6803251951867E+25
fil : = 488.08719641646
fipunto1 : = 1.0025264426594E+18
fi_gradi : = 27965.336389036
t1 : = 1.0808993621245E-14
tpunto1 : = 1.0007467141834
tduepunti0 : = -2.4804857566849E+15
v=v_elettrone : = 6508047.7405223
x0= : -1.4721117213584E-12
y0= : -3.2049681647321E-12
*****
i=30278
k(30278)=0.99983420968269
kQ(30278)=0.99966844685181
r1= : 3.5281683693243E-12
rpunto1 : = 5458792.8929604
rduepunti0 : = -1.6797795471591E+25
fil : = 488.08731399145
fipunto1 : = 1.0021624205094E+18
fi_gradi : = 27965.343125587
t1 : = 1.0808993738611E-14
tpunto1 : = 1.000746423486
tduepunti0 : = -2.4786891909134E+15
v=v_elettrone : = 6506044.1367216
x0= : -1.4720020920677E-12
y0= : -3.2057235057976E-12
*****
i=30279
k(30279)=0.9998343292963
kQ(30279)=0.99966868603939
r1= : 3.528808569422E-12
rpunto1 : = 5456823.5088476
rduepunti0 : = -1.6792343578626E+25
fil : = 488.08743152375
fipunto1 : = 1.0017987278438E+18
fi_gradi : = 27965.349859692
t1 : = 1.0808993855977E-14
tpunto1 : = 1.000746132999
tduepunti0 : = -2.4768943828947E+15
v=v_elettrone : = 6504041.3660358
x0= : -1.4718923460525E-12
y0= : -3.2064785924645E-12
*****
i=30280
k(30280)=0.99983444882796
kQ(30280)=0.99966892506311
r1= : 3.5294485385529E-12
rpunto1 : = 5454854.7635882
rduepunti0 : = -1.6786896267852E+25
fil : = 488.0875490134
fipunto1 : = 1.0014353642617E+18
fi_gradi : = 27965.356591353
t1 : = 1.0808993973343E-14
tpunto1 : = 1.0007458427224
tduepunti0 : = -2.47510133019E+15
v=v_elettrone : = 6502039.4295165
x0= : -1.4717824833851E-12
y0= : -3.2072334248113E-12
```

```
*****
i=30281
k(30281)=0.99983456827773
kQ(30281)=0.99966916392312
r1= : 3.5300882767918E-12
rpunto1 : = 5452886.6566455
rduepunti0 : = -1.6781453534159E+25
fil : = 488.08766646043
fipunto1 : = 1.001072329363E+18
fi_gradi : = 27965.363320572
t1 : = 1.0808994090709E-14
tpunto1 : = 1.0007455526558
tduepunti0 : = -2.4733100303651E+15
v=v_elettrone : = 6500038.3244921
x0= : -1.4716725041376E-12
y0= : -3.2079880029168E-12
*****
i=30282
k(30282)=0.9998346876457
kQ(30282)=0.99966940261957
r1= : 3.5307277842138E-12
rpunto1 : = 5450919.1874833
rduepunti0 : = -1.6776015372445E+25
fil : = 488.08778386489
fipunto1 : = 1.0007096227481E+18
fi_gradi : = 27965.370047351
t1 : = 1.0808994208076E-14
tpunto1 : = 1.0007452627991
tduepunti0 : = -2.4715204809896E+15
v=v_elettrone : = 6498038.0520182
x0= : -1.4715624083822E-12
y0= : -3.2087423268595E-12
*****
i=30283
k(30283)=0.99983480693193
kQ(30283)=0.99966964115261
r1= : 3.5313670608936E-12
rpunto1 : = 5448952.355566
rduepunti0 : = -1.6770581777614E+25
fil : = 488.0879012268
fipunto1 : = 1.0003472440182E+18
fi_gradi : = 27965.376771694
t1 : = 1.0808994325442E-14
tpunto1 : = 1.0007449731521
tduepunti0 : = -2.4697326796376E+15
v=v_elettrone : = 6496038.6103526
x0= : -1.4714521961907E-12
y0= : -3.2094963967179E-12
*****
i=30284
k(30284)=0.99983492613651
kQ(30284)=0.9996698795224
r1= : 3.5320061069059E-12
rpunto1 : = 5446986.1603586
rduepunti0 : = -1.6765152744579E+25
fil : = 488.08801854622
fipunto1 : = 9.9998519277506E+17
fi_gradi : = 27965.383493601
t1 : = 1.0808994442808E-14
tpunto1 : = 1.0007446837145
tduepunti0 : = -2.4679466238873E+15
v=v_elettrone : = 6494039.9986899
x0= : -1.4713418676352E-12
y0= : -3.2102502125703E-12
```

```
*****
i=30285
k(30285)=0.9998350452595
kQ(30285)=0.99967011772906
r1= : 3.5326449223254E-12
rpunto1 : = 5445020.6013267
rduepunti0 : = -1.675972826826E+25
fil : = 488.08813582318
fipunto1 : = 9.996234686211E+17
fi_gradi : = 27965.390213076
t1 : = 1.0808994560174E-14
tpunto1 : = 1.0007443944862
tduepunti0 : = -2.4661623113212E+15
v=v_elettrone : = 6492042.2171448
x0= : -1.4712314227877E-12
y0= : -3.2110037744952E-12
*****
i=30286
k(30286)=0.99983516430098
kQ(30286)=0.99967035577277
r1= : 3.5332835072266E-12
rpunto1 : = 5443055.6779365
rduepunti0 : = -1.6754308343584E+25
fil : = 488.08825305771
fipunto1 : = 9.9926207115938E+17
fi_gradi : = 27965.39693012
t1 : = 1.080899467754E-14
tpunto1 : = 1.000744105467
tduepunti0 : = -2.4643797395259E+15
v=v_elettrone : = 6490045.2649165
x0= : -1.4711208617198E-12
y0= : -3.2117570825708E-12
*****
i=30287
k(30287)=0.99983528326102
kQ(30287)=0.99967059365365
r1= : 3.5339218616843E-12
rpunto1 : = 5441091.3896548
rduepunti0 : = -1.6748892965486E+25
fil : = 488.08837024986
fipunto1 : = 9.9890099999361E+17
fi_gradi : = 27965.403644736
t1 : = 1.0808994794906E-14
tpunto1 : = 1.0007438166566
tduepunti0 : = -2.4625989060922E+15
v=v_elettrone : = 6488049.1411713
x0= : -1.4710101845034E-12
y0= : -3.2125101368754E-12
*****
i=30288
k(30288)=0.99983540213971
kQ(30288)=0.99967083137187
r1= : 3.5345599857728E-12
rpunto1 : = 5439127.7359489
rduepunti0 : = -1.6743482128909E+25
fil : = 488.08848739967
fipunto1 : = 9.9854025472813E+17
fi_gradi : = 27965.410356925
t1 : = 1.0808994912272E-14
tpunto1 : = 1.0007435280549
tduepunti0 : = -2.4608198086152E+15
v=v_elettrone : = 6486053.8451246
x0= : -1.47089939121E-12
y0= : -3.2132629374871E-12
```



```
*****
i=30289
k(30289)=0.9998355209371
kQ(30289)=0.99967106892757
r1= : 3.5351978795665E-12
rpunto1: = 5437164.7162868
rduepunti0 : = -1.6738075828802E+25
fil : = 488.08860450716
fipunto1 : = 9.981798349679E+17
fi_gradi : = 27965.41706669
t1 : = 1.0808995029638E-14
tpunto1 : = 1.0007432396616
tduepunti0 : = -2.4590424446939E+15
v=v_elettrone : = 6484059.3759399
x0= : -1.4707884819114E-12
y0= : -3.2140154844839E-12
*****
i=30290
k(30290)=0.99983563965328
kQ(30290)=0.99967130632089
r1= : 3.5358355431399E-12
rpunto1: = 5435202.3301371
rduepunti0 : = -1.6732674060124E+25
fil : = 488.08872157239
fipunto1 : = 9.9781974031855E+17
fi_gradi : = 27965.423774034
t1 : = 1.0808995147003E-14
tpunto1 : = 1.0007429514766
tduepunti0 : = -2.4572668119318E+15
v=v_elettrone : = 6482065.7337603
x0= : -1.4706774566792E-12
y0= : -3.214767777944E-12
*****
i=30291
k(30291)=0.99983575828832
kQ(30291)=0.99967154355198
r1= : 3.5364729765671E-12
rpunto1: = 5433240.5769689
rduepunti0 : = -1.6727276817838E+25
fil : = 488.08883859538
fipunto1 : = 9.9745997038632E+17
fi_gradi : = 27965.430478958
t1 : = 1.0808995264369E-14
tpunto1 : = 1.0007426634996
tduepunti0 : = -2.4554929079362E+15
v=v_elettrone : = 6480072.9177567
x0= : -1.4705663155847E-12
y0= : -3.2155198179452E-12
*****
i=30292
k(30292)=0.99983587684229
kQ(30292)=0.999671780621
r1= : 3.5371101799225E-12
rpunto1: = 5431279.4562519
rduepunti0 : = -1.6721884096918E+25
fil : = 488.08895557619
fipunto1 : = 9.9710052477808E+17
fi_gradi : = 27965.437181464
t1 : = 1.0808995381735E-14
tpunto1 : = 1.0007423757304
tduepunti0 : = -2.453720730319E+15
v=v_elettrone : = 6478080.9271197
x0= : -1.4704550586994E-12
y0= : -3.2162716045656E-12
```

```
*****
i=30293
k(30293)=0.99983599531527
kQ(30293)=0.99967201752808
r1= : 3.5377471532803E-12
rpunto1 : = 5429318.9674566
rduepunti0 : = -1.6716495892343E+25
fil : = 488.08907251483
fipunto1 : = 9.9674140310136E+17
fi_gradi : = 27965.443881555
t1 : = 1.0808995499101E-14
tpunto1 : = 1.0007420881689
tduepunti0 : = -2.4519502766957E+15
v=v_elettrone : = 6476089.7610327
x0= : -1.4703436860945E-12
y0= : -3.2170231378829E-12
*****
i=30294
k(30294)=0.99983611370733
kQ(30294)=0.99967225427337
r1= : 3.5383838967145E-12
rpunto1 : = 5427359.1100538
rduepunti0 : = -1.6711112199101E+25
fil : = 488.08918941136
fipunto1 : = 9.963826049643E+17
fi_gradi : = 27965.450579232
t1 : = 1.0808995616467E-14
tpunto1 : = 1.0007418008148
tduepunti0 : = -2.4501815446864E+15
v=v_elettrone : = 6474099.4186894
x0= : -1.4702321978413E-12
y0= : -3.2177744179749E-12
*****
i=30295
k(30295)=0.99983623201854
kQ(30295)=0.99967249085703
r1= : 3.5390204102992E-12
rpunto1 : = 5425399.8835149
rduepunti0 : = -1.6705733012186E+25
fil : = 488.08930626581
fipunto1 : = 9.9602412997566E+17
fi_gradi : = 27965.457274499
t1 : = 1.0808995733832E-14
tpunto1 : = 1.0007415136679
tduepunti0 : = -2.4484145319149E+15
v=v_elettrone : = 6472109.9002041
x0= : -1.4701205940111E-12
y0= : -3.2185254449193E-12
*****
i=30296
k(30296)=0.99983635024897
kQ(30296)=0.99967272727918
r1= : 3.5396566941083E-12
rpunto1 : = 5423441.2873122
rduepunti0 : = -1.67003583266E+25
fil : = 488.08942307822
fipunto1 : = 9.9566597774485E+17
fi_gradi : = 27965.463967357
t1 : = 1.0808995851198E-14
tpunto1 : = 1.0007412267281
tduepunti0 : = -2.4466492360095E+15
v=v_elettrone : = 6470121.2038219
x0= : -1.470008874675E-12
y0= : -3.2192762187937E-12
```

```
*****
i=30297
k(30297)=0.99983646839871
kQ(30297)=0.99967296354
r1= : 3.5402927482158E-12
rpunto1 : = 5421483.3209183
rduepunti0 : = -1.6694988137353E+25
fil : = 488.08953984862
fipunto1 : = 9.9530814788189E+17
fi_gradi : = 27965.470657809
t1 : = 1.0808995968563E-14
tpunto1 : = 1.0007409399951
tduepunti0 : = -2.4448856546023E+15
v=v_elettrone : = 6468133.330606
x0= : -1.4698970399042E-12
y0= : -3.2200267396757E-12
*****
i=30298
k(30298)=0.99983658646781
kQ(30298)=0.99967319963961
r1= : 3.5409285726956E-12
rpunto1 : = 5419525.9838064
rduepunti0 : = -1.6689622439461E+25
fil : = 488.08965657706
fipunto1 : = 9.9495063999745E+17
fi_gradi : = 27965.477345856
t1 : = 1.0808996085929E-14
tpunto1 : = 1.0007406534688
tduepunti0 : = -2.4431237853297E+15
v=v_elettrone : = 6466146.2778653
x0= : -1.4697850897694E-12
y0= : -3.2207770076429E-12
*****
i=30299
k(30299)=0.99983670445636
kQ(30299)=0.99967343557816
r1= : 3.5415641676215E-12
rpunto1 : = 5417569.2754504
rduepunti0 : = -1.6684261227949E+25
fil : = 488.08977326357
fipunto1 : = 9.9459345370279E+17
fi_gradi : = 27965.4840315
t1 : = 1.0808996203295E-14
tpunto1 : = 1.0007403671488
tduepunti0 : = -2.441363625832E+15
v=v_elettrone : = 6464160.0466544
x0= : -1.4696730243417E-12
y0= : -3.2215270227727E-12
*****
i=30300
k(30300)=0.99983682236443
kQ(30300)=0.9996736713558
r1= : 3.5421995330671E-12
rpunto1 : = 5415613.1953247
rduepunti0 : = -1.6678904497848E+25
fil : = 488.0898899082
fipunto1 : = 9.9423658860983E+17
fi_gradi : = 27965.490714745
t1 : = 1.080899632066E-14
tpunto1 : = 1.0007400810351
tduepunti0 : = -2.4396051737538E+15
v=v_elettrone : = 6462174.6352227
x0= : -1.469560843692E-12
y0= : -3.2222767851424E-12
```

```
*****
i=30301
k(30301)=0.99983694019209
kQ(30301)=0.99967390697268
r1= : 3.5428346691063E-12
rpunto1: = 5413657.7429043
rduepunti0 : = -1.6673552244198E+25
fil : = 488.09000651096
fipunto1 : = 9.9388004433107E+17
fi_gradi : = 27965.497395591
t1 : = 1.0808996438026E-14
tpunto1 : = 1.0007397951274
tduepunti0 : = -2.4378484267435E+15
v=v_elettrone : = 6460190.0446125
x0= : -1.4694485478911E-12
y0= : -3.2230262948294E-12
*****
i=30302
k(30302)=0.99983705793941
kQ(30302)=0.99967414242893
r1= : 3.5434695758125E-12
rpunto1: = 5411702.9176648
rduepunti0 : = -1.6668204462044E+25
fil : = 488.09012307192
fipunto1 : = 9.9352382047968E+17
fi_gradi : = 27965.504074042
t1 : = 1.0808996555391E-14
tpunto1 : = 1.0007395094256
tduepunti0 : = -2.4360933824538E+15
v=v_elettrone : = 6458206.2712174
x0= : -1.4693361370094E-12
y0= : -3.2237755519111E-12
*****
i=30303
k(30303)=0.99983717560646
kQ(30303)=0.99967437772471
r1= : 3.5441042532594E-12
rpunto1: = 5409748.7190823
rduepunti0 : = -1.666286114644E+25
fil : = 488.09023959109
fipunto1 : = 9.9316791666941E+17
fi_gradi : = 27965.510750099
t1 : = 1.0808996672757E-14
tpunto1 : = 1.0007392239294
tduepunti0 : = -2.4343400385412E+15
v=v_elettrone : = 6456223.3170121
x0= : -1.4692236111181E-12
y0= : -3.2245245564644E-12
*****
i=30304
k(30304)=0.99983729319333
kQ(30304)=0.99967461286016
r1= : 3.5447387015204E-12
rpunto1: = 5407795.1466337
rduepunti0 : = -1.6657522292446E+25
fil : = 488.09035606853
fipunto1 : = 9.9281233251465E+17
fi_gradi : = 27965.517423764
t1 : = 1.0808996790122E-14
tpunto1 : = 1.0007389386386
tduepunti0 : = -2.4325883926665E+15
v=v_elettrone : = 6454241.1811899
x0= : -1.4691109702875E-12
y0= : -3.2252733085666E-12
```

```
*****
i=30305
k(30305)=0.99983741070007
kQ(30305)=0.99967484783542
r1= : 3.545372920669E-12
rpunto1 : = 5405842.1997963
rduepunti0 : = -1.6652187895132E+25
fil : = 488.09047250426
fipunto1 : = 9.924570676304E+17
fi_gradi : = 27965.52409504
t1 : = 1.0808996907487E-14
tpunto1 : = 1.000738653553
tduepunti0 : = -2.4308384424944E+15
v=v_elettrone : = 6452259.861986
x0= : -1.468998214588E-12
y0= : -3.2260218082948E-12
*****
i=30306
k(30306)=0.99983752812677
kQ(30306)=0.99967508265064
r1= : 3.5460069107786E-12
rpunto1 : = 5403889.8780479
rduepunti0 : = -1.6646857949571E+25
fil : = 488.09058889833
fipunto1 : = 9.9210212163227E+17
fi_gradi : = 27965.530763929
t1 : = 1.0808997024853E-14
tpunto1 : = 1.0007383686725
tduepunti0 : = -2.4290901856936E+15
v=v_elettrone : = 6450279.358578
x0= : -1.4688853440902E-12
y0= : -3.226770055726E-12
*****
i=30307
k(30307)=0.99983764547349
kQ(30307)=0.99967531730597
r1= : 3.5466406719224E-12
rpunto1 : = 5401938.180867
rduepunti0 : = -1.6641532450848E+25
fil : = 488.09070525077
fipunto1 : = 9.917474941365E+17
fi_gradi : = 27965.537430433
t1 : = 1.0808997142218E-14
tpunto1 : = 1.0007380839968
tduepunti0 : = -2.4273436199368E+15
v=v_elettrone : = 6448299.6720347
x0= : -1.4687723588647E-12
y0= : -3.2275180509371E-12
*****
i=30308
k(30308)=0.9998377627403
kQ(30308)=0.99967555180153
r1= : 3.5472742041737E-12
rpunto1 : = 5399987.1077327
rduepunti0 : = -1.663621139405E+25
fil : = 488.09082156162
fipunto1 : = 9.9139318475993E+17
fi_gradi : = 27965.544094554
t1 : = 1.0808997259583E-14
tpunto1 : = 1.0007377995258
tduepunti0 : = -2.4255987429009E+15
v=v_elettrone : = 6446320.7996431
x0= : -1.4686592589814E-12
y0= : -3.2282657940049E-12
```

```
*****
i=30309
k(30309)=0.99983787992729
kQ(30309)=0.99967578613749
r1= : 3.5479075076057E-12
rpunto1 : = 5398036.6581247
rduepunti0 : = -1.6630894774277E+25
fil : = 488.09093783092
fipunto1 : = 9.9103919312002E+17
fi_gradi : = 27965.550756294
t1 : = 1.0808997376948E-14
tpunto1 : = 1.0007375152591
tduepunti0 : = -2.4238555522666E+15
v=v_elettrone : = 6444342.7424731
x0= : -1.468546044511E-12
y0= : -3.2290132850063E-12
*****
i=30310
k(30310)=0.99983799703451
kQ(30310)=0.99967602031398
r1= : 3.5485405822915E-12
rpunto1 : = 5396086.831523
rduepunti0 : = -1.6625582586632E+25
fil : = 488.0910540587
fipunto1 : = 9.9068551883484E+17
fi_gradi : = 27965.557415655
t1 : = 1.0808997494314E-14
tpunto1 : = 1.0007372311968
tduepunti0 : = -2.4221140457186E+15
v=v_elettrone : = 6442365.4996943
x0= : -1.4684327155234E-12
y0= : -3.2297605240181E-12
*****
i=30311
k(30311)=0.99983811406205
kQ(30311)=0.99967625433115
r1= : 3.5491734283042E-12
rpunto1 : = 5394137.6274086
rduepunti0 : = -1.6620274826226E+25
fil : = 488.091170245
fipunto1 : = 9.9033216152307E+17
fi_gradi : = 27965.56407264
t1 : = 1.0808997611679E-14
tpunto1 : = 1.0007369473384
tduepunti0 : = -2.4203742209456E+15
v=v_elettrone : = 6440389.0695466
x0= : -1.4683192720887E-12
y0= : -3.2305075111169E-12
*****
i=30312
k(30312)=0.99983823100997
kQ(30312)=0.99967648818914
r1= : 3.5498060457168E-12
rpunto1 : = 5392189.0452627
rduepunti0 : = -1.6614971488178E+25
fil : = 488.09128638986
fipunto1 : = 9.8997912080399E+17
fi_gradi : = 27965.57072725
t1 : = 1.0808997729044E-14
tpunto1 : = 1.000736663684
tduepunti0 : = -2.4186360756405E+15
v=v_elettrone : = 6438413.4521546
x0= : -1.4682057142772E-12
y0= : -3.2312542463793E-12
```

```
*****
i=30313
k(30313)=0.99983834787834
kQ(30313)=0.99967672188809
r1= : 3.5504384346022E-12
rpunto1: = 5390241.0845673
rduepunti0 : = -1.6609672567614E+25
fil : = 488.09140249332
fipunto1 : = 9.896263962975E+17
fi_gradi : = 27965.577379488
t1 : = 1.0808997846409E-14
tpunto1 : = 1.0007363802331
tduepunti0 : = -2.4168996074997E+15
v=v_elettrone : = 6436438.6466832
x0= : -1.4680920421588E-12
y0= : -3.232000729882E-12
*****
i=30314
k(30314)=0.99983846466724
kQ(30314)=0.99967695542815
r1= : 3.5510705950334E-12
rpunto1: = 5388293.7448049
rduepunti0 : = -1.6604378059668E+25
fil : = 488.09151855541
fipunto1 : = 9.8927398762411E+17
fi_gradi : = 27965.584029356
t1 : = 1.0808997963774E-14
tpunto1 : = 1.0007360969858
tduepunti0 : = -2.4151648142241E+15
v=v_elettrone : = 6434464.653257
x0= : -1.4679782558034E-12
y0= : -3.2327469617013E-12
*****
i=30315
k(30315)=0.99983858137674
kQ(30315)=0.99967718880945
r1= : 3.5517025270831E-12
rpunto1: = 5386347.0254585
rduepunti0 : = -1.6599087959479E+25
fil : = 488.09163457617
fipunto1 : = 9.8892189440492E+17
fi_gradi : = 27965.590676856
t1 : = 1.0808998081139E-14
tpunto1 : = 1.0007358139417
tduepunti0 : = -2.4134316935181E+15
v=v_elettrone : = 6432491.4710542
x0= : -1.4678643552809E-12
y0= : -3.2334929419138E-12
*****
i=30316
k(30316)=0.99983869800691
kQ(30316)=0.99967742203215
r1= : 3.552334230824E-12
rpunto1: = 5384400.9260118
rduepunti0 : = -1.6593802262194E+25
fil : = 488.09175055564
fipunto1 : = 9.8857011626164E+17
fi_gradi : = 27965.59732199
t1 : = 1.0808998198504E-14
tpunto1 : = 1.0007355311006
tduepunti0 : = -2.4117002430902E+15
v=v_elettrone : = 6430519.0983032
x0= : -1.467750340661E-12
y0= : -3.2342386705959E-12
```

```
*****
i=30317
k(30317)=0.99983881455782
kQ(30317)=0.99967765509638
r1= : 3.552965706329E-12
rpunto1: = 5382455.445949
rduepunti0 : = -1.6588520962969E+25
fil : = 488.09186649385
fipunto1 : = 9.8821865281659E+17
fi_gradi : = 27965.603964761
t1 : = 1.0808998315869E-14
tpunto1 : = 1.0007352484624
tduepunti0 : = -2.4099704606529E+15
v=v_elettrone : = 6428547.5351264
x0= : -1.4676362120134E-12
y0= : -3.2349841478238E-12
*****
i=30318
k(30318)=0.99983893102954
kQ(30318)=0.99967788800229
r1= : 3.5535969536706E-12
rpunto1: = 5380510.5847548
rduepunti0 : = -1.6583244056964E+25
fil : = 488.09198239084
fipunto1 : = 9.8786750369268E+17
fi_gradi : = 27965.610605169
t1 : = 1.0808998433234E-14
tpunto1 : = 1.0007349660269
tduepunti0 : = -2.4082423439226E+15
v=v_elettrone : = 6426576.7816399
x0= : -1.467521969408E-12
y0= : -3.2357293736737E-12
*****
i=30319
k(30319)=0.99983904742214
kQ(30319)=0.99967812075001
r1= : 3.5542279729215E-12
rpunto1: = 5378566.3419145
rduepunti0 : = -1.6577971539348E+25
fil : = 488.09209824665
fipunto1 : = 9.8751666851343E+17
fi_gradi : = 27965.617243218
t1 : = 1.0808998550599E-14
tpunto1 : = 1.0007346837939
tduepunti0 : = -2.4065158906196E+15
v=v_elettrone : = 6424606.8360709
x0= : -1.4674076129141E-12
y0= : -3.236474348222E-12
*****
i=30320
k(30320)=0.9998391637357
kQ(30320)=0.99967835333969
r1= : 3.554858764154E-12
rpunto1: = 5376622.7169142
rduepunti0 : = -1.6572703405298E+25
fil : = 488.09221406132
fipunto1 : = 9.8716614690296E+17
fi_gradi : = 27965.623878909
t1 : = 1.0808998667964E-14
tpunto1 : = 1.0007344017631
tduepunti0 : = -2.4047910984681E+15
v=v_elettrone : = 6422637.6985393
x0= : -1.4672931426015E-12
y0= : -3.2372190715446E-12
```



```
*****
i=30321
k(30321)=0.99983927997027
kQ(30321)=0.99967858577148
r1= : 3.5554893274408E-12
rpunto1: = 5374679.7092402
rduepunti0 : = -1.6567439649995E+25
fil : = 488.09232983487
fipunto1 : = 9.8681593848598E+17
fi_gradi : = 27965.630512246
t1 : = 1.0808998785328E-14
tpunto1 : = 1.0007341199344
tduepunti0 : = -2.4030679651961E+15
v=v_elettrone : = 6420669.3682222
x0= : -1.4671785585395E-12
y0= : -3.2379635437177E-12
*****
i=30322
k(30322)=0.99983939612595
kQ(30322)=0.9996788180455
r1= : 3.5561196628542E-12
rpunto1: = 5372737.3183795
rduepunti0 : = -1.6562180268631E+25
fil : = 488.09244556736
fipunto1 : = 9.8646604288781E+17
fi_gradi : = 27965.637143228
t1 : = 1.0808998902693E-14
tpunto1 : = 1.0007338383077
tduepunti0 : = -2.4013464885356E+15
v=v_elettrone : = 6418701.8442878
x0= : -1.4670638607974E-12
y0= : -3.2387077648173E-12
*****
i=30323
k(30323)=0.99983951220279
kQ(30323)=0.99967905016191
r1= : 3.5567497704665E-12
rpunto1: = 5370795.5438199
rduepunti0 : = -1.6556925256401E+25
fil : = 488.09256125881
fipunto1 : = 9.8611645973435E+17
fi_gradi : = 27965.64377186
t1 : = 1.0808999020058E-14
tpunto1 : = 1.0007335568826
tduepunti0 : = -2.3996266662226E+15
v=v_elettrone : = 6416735.1259074
x0= : -1.4669490494448E-12
y0= : -3.2394517349192E-12
*****
i=30324
k(30324)=0.99983962820087
kQ(30324)=0.99967928212085
r1= : 3.55737965035E-12
rpunto1: = 5368854.3850493
rduepunti0 : = -1.655167460851E+25
fil : = 488.09267690926
fipunto1 : = 9.857671886521E+17
fi_gradi : = 27965.650398143
t1 : = 1.0808999137423E-14
tpunto1 : = 1.000733275659
tduepunti0 : = -2.3979084959967E+15
v=v_elettrone : = 6414769.2132001
x0= : -1.4668341245509E-12
y0= : -3.2401954540994E-12
```

```
*****
i=30325
k(30325)=0.99983974412025
kQ(30325)=0.99967951392245
r1= : 3.558009302577E-12
rpunto1: = 5366913.8415567
rduepunti0 : = -1.6546428320168E+25
fil : = 488.09279251874
fipunto1 : = 9.8541822926817E+17
fi_gradi : = 27965.657022079
t1 : = 1.0808999254787E-14
tpunto1 : = 1.0007329946367
tduepunti0 : = -2.3961919756017E+15
v=v_elettrone : = 6412804.105342
x0= : -1.4667190861848E-12
y0= : -3.2409389224337E-12
*****
i=30326
k(30326)=0.99983985996101
kQ(30326)=0.99967974556685
r1= : 3.5586387272196E-12
rpunto1: = 5364973.9128311
rduepunti0 : = -1.6541186386594E+25
fil : = 488.09290808731
fipunto1 : = 9.8506958121023E+17
fi_gradi : = 27965.663643669
t1 : = 1.0808999372152E-14
tpunto1 : = 1.0007327138156
tduepunti0 : = -2.3944771027848E+15
v=v_elettrone : = 6410839.8014963
x0= : -1.4666039344157E-12
y0= : -3.2416821399978E-12
*****
i=30327
k(30327)=0.99983997572322
kQ(30327)=0.99967997705421
r1= : 3.5592679243498E-12
rpunto1: = 5363034.5983625
rduepunti0 : = -1.6535948803014E+25
fil : = 488.09302361498
fipunto1 : = 9.8472124410657E+17
fi_gradi : = 27965.670262918
t1 : = 1.0808999489517E-14
tpunto1 : = 1.0007324331954
tduepunti0 : = -2.3927638752976E+15
v=v_elettrone : = 6408876.300835
x0= : -1.4664886693127E-12
y0= : -3.2424251068674E-12
*****
i=30328
k(30328)=0.99984009140694
kQ(30328)=0.99968020838465
r1= : 3.5598968940398E-12
rpunto1: = 5361095.8976412
rduepunti0 : = -1.6530715564658E+25
fil : = 488.0931391018
fipunto1 : = 9.8437321758607E+17
fi_gradi : = 27965.676879825
t1 : = 1.0808999606881E-14
tpunto1 : = 1.0007321527759
tduepunti0 : = -2.3910522908951E+15
v=v_elettrone : = 6406913.6034857
x0= : -1.4663732909449E-12
y0= : -3.2431678231182E-12
```

```
*****
i=30329
k(30329)=0.99984020701226
kQ(30329)=0.99968043955831
r1= : 3.5605256363615E-12
rpunto1: = 5359157.8101582
rduepunti0 : = -1.6525486666765E+25
fil : = 488.0932545478
fipunto1 : = 9.8402550127817E+17
fi_gradi : = 27965.683494394
t1 : = 1.0808999724246E-14
tpunto1 : = 1.0007318725569
tduepunti0 : = -2.3893423473364E+15
v=v_elettrone : = 6404951.7085967
x0= : -1.466257799381E-12
y0= : -3.2439102888256E-12
*****
i=30330
k(30330)=0.99984032253923
kQ(30330)=0.99968067057535
r1= : 3.5611541513869E-12
rpunto1: = 5357220.3354051
rduepunti0 : = -1.6520262104583E+25
fil : = 488.09336995303
fipunto1 : = 9.8367809481293E+17
fi_gradi : = 27965.690106626
t1 : = 1.080899984161E-14
tpunto1 : = 1.0007315925383
tduepunti0 : = -2.3876340423842E+15
v=v_elettrone : = 6402990.6153557
x0= : -1.46614219469E-12
y0= : -3.2446525040653E-12
*****
i=30331
k(30331)=0.99984043798793
kQ(30331)=0.99968090143589
r1= : 3.5617824391877E-12
rpunto1: = 5355283.4728739
rduepunti0 : = -1.6515041873363E+25
fil : = 488.09348531751
fipunto1 : = 9.8333099782098E+17
fi_gradi : = 27965.696716524
t1 : = 1.0808999958975E-14
tpunto1 : = 1.0007313127199
tduepunti0 : = -2.3859273738054E+15
v=v_elettrone : = 6401030.3229284
x0= : -1.4660264769406E-12
y0= : -3.2453944689127E-12
*****
i=30332
k(30332)=0.99984055335842
kQ(30332)=0.99968113214007
r1= : 3.5624104998358E-12
rpunto1: = 5353347.2220572
rduepunti0 : = -1.6509825968366E+25
fil : = 488.09360064129
fipunto1 : = 9.8298420993354E+17
fi_gradi : = 27965.70332409
t1 : = 1.0809000076339E-14
tpunto1 : = 1.0007310331014
tduepunti0 : = -2.3842223393702E+15
v=v_elettrone : = 6399070.8304807
x0= : -1.4659106462017E-12
y0= : -3.246136183443E-12
```

```
*****
i=30333
k(30333)=0.99984066865078
kQ(30333)=0.99968136268805
r1= : 3.563038333403E-12
rpunto1: = 5351411.5824482
rduepunti0 : = -1.6504614384858E+25
fil : = 488.09371592439
fipunto1 : = 9.8263773078241E+17
fi_gradi : = 27965.709929325
t1 : = 1.0809000193704E-14
tpunto1 : = 1.0007307536827
tduepunti0 : = -2.382518936853E+15
v=v_elettrone : = 6397112.1381277
x0= : -1.4657947025421E-12
y0= : -3.2468776477317E-12
*****
i=30334
k(30334)=0.99984078386508
kQ(30334)=0.99968159307995
r1= : 3.5636659399608E-12
rpunto1: = 5349476.5535406
rduepunti0 : = -1.6499407118113E+25
fil : = 488.09383116686
fipunto1 : = 9.8229155999998E+17
fi_gradi : = 27965.716532232
t1 : = 1.0809000311068E-14
tpunto1 : = 1.0007304744636
tduepunti0 : = -2.3808171640318E+15
v=v_elettrone : = 6395154.2450405
x0= : -1.4656786460302E-12
y0= : -3.247618861854E-12
*****
i=30335
k(30335)=0.99984089900139
kQ(30335)=0.99968182331591
r1= : 3.564293319581E-12
rpunto1: = 5347542.1348288
rduepunti0 : = -1.6494204163411E+25
fil : = 488.09394636873
fipunto1 : = 9.8194569721922E+17
fi_gradi : = 27965.723132813
t1 : = 1.0809000428432E-14
tpunto1 : = 1.0007301954438
tduepunti0 : = -2.3791170186885E+15
v=v_elettrone : = 6393197.1513189
x0= : -1.4655624767348E-12
y0= : -3.248359825885E-12
*****
i=30336
k(30336)=0.99984101405977
kQ(30336)=0.99968205339607
r1= : 3.5649204723351E-12
rpunto1: = 5345608.3258075
rduepunti0 : = -1.648900551604E+25
fil : = 488.09406153004
fipunto1 : = 9.8160014207368E+17
fi_gradi : = 27965.72973107
t1 : = 1.0809000545797E-14
tpunto1 : = 1.0007299166233
tduepunti0 : = -2.3774184986087E+15
v=v_elettrone : = 6391240.8552094
x0= : -1.465446194724E-12
y0= : -3.2491005399E-12
```

```
*****
i=30337
k(30337)=0.9998411290403
kQ(30337)=0.99968228332058
r1= : 3.5655473982947E-12
rpunto1: = 5343675.1259722
rduepunti0 : = -1.6483811171295E+25
fil : = 488.09417665082
fipunto1 : = 9.8125489419749E+17
fi_gradi : = 27965.736327005
t1 : = 1.0809000663161E-14
tpunto1 : = 1.0007296380018
tduepunti0 : = -2.3757216015819E+15
v=v_elettrone : = 6389285.3558623
x0= : -1.4653298000665E-12
y0= : -3.2498410039741E-12
*****
i=30338
k(30338)=0.99984124394304
kQ(30338)=0.99968251308957
r1= : 3.566174097531E-12
rpunto1: = 5341742.5348189
rduepunti0 : = -1.6478621124476E+25
fil : = 488.09429173111
fipunto1 : = 9.8090995322536E+17
fi_gradi : = 27965.74292062
t1 : = 1.0809000780525E-14
tpunto1 : = 1.0007293595791
tduepunti0 : = -2.3740263254012E+15
v=v_elettrone : = 6387330.6543353
x0= : -1.4652132928308E-12
y0= : -3.250581218182E-12
*****
i=30339
k(30339)=0.99984135876807
kQ(30339)=0.99968274270317
r1= : 3.5668005701156E-12
rpunto1: = 5339810.5518439
rduepunti0 : = -1.6473435370892E+25
fil : = 488.09440677095
fipunto1 : = 9.8056531879258E+17
fi_gradi : = 27965.749511917
t1 : = 1.080900089789E-14
tpunto1 : = 1.000729081355
tduepunti0 : = -2.3723326678635E+15
v=v_elettrone : = 6385376.7479044
x0= : -1.4650966730848E-12
y0= : -3.251321182599E-12
*****
i=30340
k(30340)=0.99984147351545
kQ(30340)=0.99968297216154
r1= : 3.5674268161198E-12
rpunto1: = 5337879.1765443
rduepunti0 : = -1.6468253905857E+25
fil : = 488.09452177037
fipunto1 : = 9.80220990535E+17
fi_gradi : = 27965.756100898
t1 : = 1.0809001015254E-14
tpunto1 : = 1.0007288033294
tduepunti0 : = -2.3706406267695E+15
v=v_elettrone : = 6383423.6385831
x0= : -1.4649799408972E-12
y0= : -3.2520608972997E-12
```

```
*****
i=30341
k(30341)=0.99984158818525
kQ(30341)=0.99968320146479
r1= : 3.5680528356148E-12
rpunto1: = 5335948.4084179
rduepunti0 : = -1.6463076724693E+25
fil : = 488.09463672941
fipunto1 : = 9.7987696808908E+17
fi_gradi : = 27965.762687566
t1 : = 1.0809001132618E-14
tpunto1 : = 1.000728525502
tduepunti0 : = -2.3689501999236E+15
v=v_elettrone : = 6381471.3226839
x0= : -1.4648630963358E-12
y0= : -3.2528003623592E-12
*****
i=30342
k(30342)=0.99984170277754
kQ(30342)=0.99968343061308
r1= : 3.5686786286718E-12
rpunto1: = 5334018.2469625
rduepunti0 : = -1.645790382273E+25
fil : = 488.0947516481
fipunto1 : = 9.7953325109181E+17
fi_gradi : = 27965.769271922
t1 : = 1.0809001249982E-14
tpunto1 : = 1.0007282478727
tduepunti0 : = -2.3672613851339E+15
v=v_elettrone : = 6379519.802228
x0= : -1.4647461394689E-12
y0= : -3.253539577852E-12
*****
i=30343
k(30343)=0.99984181729239
kQ(30343)=0.99968365960655
r1= : 3.569304195362E-12
rpunto1: = 5332088.6916771
rduepunti0 : = -1.6452735195301E+25
fil : = 488.09486652648
fipunto1 : = 9.791898391808E+17
fi_gradi : = 27965.775853968
t1 : = 1.0809001367346E-14
tpunto1 : = 1.0007279704412
tduepunti0 : = -2.3655741802125E+15
v=v_elettrone : = 6377569.0754151
x0= : -1.4646290703645E-12
y0= : -3.254278543853E-12
*****
i=30344
k(30344)=0.99984193172987
kQ(30344)=0.99968388844531
r1= : 3.5699295357565E-12
rpunto1: = 5330159.7420608
rduepunti0 : = -1.6447570837749E+25
fil : = 488.09498136458
fipunto1 : = 9.7884673199419E+17
fi_gradi : = 27965.782433707
t1 : = 1.080900148471E-14
tpunto1 : = 1.0007276932074
tduepunti0 : = -2.3638885829747E+15
v=v_elettrone : = 6375619.1423689
x0= : -1.4645118890907E-12
y0= : -3.2550172604367E-12
```

```
*****
i=30345
k(30345)=0.99984204609005
kQ(30345)=0.99968411712953
r1= : 3.5705546499263E-12
rpunto1: = 5328231.3976133
rduepunti0 : = -1.6442410745423E+25
fil : = 488.09509616245
fipunto1 : = 9.7850392917071E+17
fi_gradi : = 27965.78901114
t1 : = 1.0809001602074E-14
tpunto1 : = 1.0007274161712
tduepunti0 : = -2.36220459124E+15
v=v_elettrone : = 6373670.0013088
x0= : -1.464394595715E-12
y0= : -3.2557557276778E-12
*****
i=30346
k(30346)=0.99984216037299
kQ(30346)=0.99968434565933
r1= : 3.5711795379424E-12
rpunto1: = 5326303.6578351
rduepunti0 : = -1.643725491368E+25
fil : = 488.09521092011
fipunto1 : = 9.7816143034967E+17
fi_gradi : = 27965.79558627
t1 : = 1.0809001719438E-14
tpunto1 : = 1.0007271393322
tduepunti0 : = -2.3605222028314E+15
v=v_elettrone : = 6371721.6523352
x0= : -1.4642771903057E-12
y0= : -3.2564939456508E-12
*****
i=30347
k(30347)=0.99984227457877
kQ(30347)=0.99968457403484
r1= : 3.5718041998756E-12
rpunto1: = 5324376.5222269
rduepunti0 : = -1.643210333788E+25
fil : = 488.0953256376
fipunto1 : = 9.7781923517094E+17
fi_gradi : = 27965.802159098
t1 : = 1.0809001836802E-14
tpunto1 : = 1.0007268626904
tduepunti0 : = -2.3588414155755E+15
v=v_elettrone : = 6369774.0946095
x0= : -1.4641596729305E-12
y0= : -3.2572319144302E-12
*****
i=30348
k(30348)=0.99984238870745
kQ(30348)=0.99968480225621
r1= : 3.572428635797E-12
rpunto1: = 5322449.9902903
rduepunti0 : = -1.6426956013394E+25
fil : = 488.09544031497
fipunto1 : = 9.7747734327494E+17
fi_gradi : = 27965.808729627
t1 : = 1.0809001954166E-14
tpunto1 : = 1.0007265862455
tduepunti0 : = -2.3571622273028E+15
v=v_elettrone : = 6367827.3282616
x0= : -1.4640420436571E-12
y0= : -3.2579696340902E-12
```

```
*****
i=30349
k(30349)=0.9998425027591
kQ(30349)=0.99968503032358
r1= : 3.5730528457772E-12
rpunto1: = 5320524.061527
rduepunti0 : = -1.6421812935597E+25
fil : = 488.09555495223
fipunto1 : = 9.7713575430269E+17
fi_gradi : = 27965.815297859
t1 : = 1.080900207153E-14
tpunto1 : = 1.0007263099973
tduepunti0 : = -2.3554846358472E+15
v=v_elettrone : = 6365881.3524371
x0= : -1.463924302553E-12
y0= : -3.2587071047053E-12
*****
i=30350
k(30350)=0.99984261673379
kQ(30350)=0.99968525823707
r1= : 3.5736768298869E-12
rpunto1: = 5318598.7354398
rduepunti0 : = -1.6416674099872E+25
fil : = 488.09566954944
fipunto1 : = 9.7679446789574E+17
fi_gradi : = 27965.821863795
t1 : = 1.0809002188894E-14
tpunto1 : = 1.0007260339457
tduepunti0 : = -2.3538086390467E+15
v=v_elettrone : = 6363936.1653538
x0= : -1.463806449686E-12
y0= : -3.2594443263498E-12
*****
i=30351
k(30351)=0.99984273063159
kQ(30351)=0.99968548599683
r1= : 3.574300588197E-12
rpunto1: = 5316674.0115314
rduepunti0 : = -1.6411539501609E+25
fil : = 488.09578410661
fipunto1 : = 9.7645348369624E+17
fi_gradi : = 27965.828427438
t1 : = 1.0809002306258E-14
tpunto1 : = 1.0007257580905
tduepunti0 : = -2.3521342347425E+15
v=v_elettrone : = 6361991.7680652
x0= : -1.4636884851236E-12
y0= : -3.2601812990979E-12
*****
i=30352
k(30352)=0.99984284445256
kQ(30352)=0.99968571360299
r1= : 3.5749241207779E-12
rpunto1: = 5314749.8893057
rduepunti0 : = -1.6406409136203E+25
fil : = 488.0958986238
fipunto1 : = 9.7611280134688E+17
fi_gradi : = 27965.834988789
t1 : = 1.0809002423622E-14
tpunto1 : = 1.0007254824314
tduepunti0 : = -2.3504614207798E+15
v=v_elettrone : = 6360048.1587954
x0= : -1.4635704089332E-12
y0= : -3.2609180230236E-12
```



```
*****
i=30353
k(30353)=0.99984295819678
kQ(30353)=0.99968594105569
r1= : 3.5755474277003E-12
rpunto1: = 5312826.3682666
rduepunti0 : = -1.6401282999056E+25
fil : = 488.09601310104
fipunto1 : = 9.7577242049091E+17
fi_gradi : = 27965.841547852
t1 : = 1.0809002540985E-14
tpunto1 : = 1.0007252069684
tduepunti0 : = -2.3487901950072E+15
v=v_elettrone : = 6358105.3376402
x0= : -1.4634522211823E-12
y0= : -3.2616544982012E-12
*****
i=30354
k(30354)=0.99984307186431
kQ(30354)=0.99968616835506
r1= : 3.5761705090347E-12
rpunto1: = 5310903.4479188
rduepunti0 : = -1.6396161085579E+25
fil : = 488.09612753835
fipunto1 : = 9.7543234077216E+17
fi_gradi : = 27965.848104627
t1 : = 1.0809002658349E-14
tpunto1 : = 1.0007249317012
tduepunti0 : = -2.3471205552772E+15
v=v_elettrone : = 6356163.3037744
x0= : -1.4633339219383E-12
y0= : -3.2623907247047E-12
*****
i=30355
k(30355)=0.99984318545522
kQ(30355)=0.99968639550124
r1= : 3.5767933648515E-12
rpunto1: = 5308981.1277676
rduepunti0 : = -1.6391043391188E+25
fil : = 488.09624193578
fipunto1 : = 9.75092561835E+17
fi_gradi : = 27965.854659117
t1 : = 1.0809002775713E-14
tpunto1 : = 1.0007246566295
tduepunti0 : = -2.3454524994457E+15
v=v_elettrone : = 6354222.0572973
x0= : -1.4632155112684E-12
y0= : -3.263126702608E-12
*****
i=30356
k(30356)=0.99984329896957
kQ(30356)=0.99968662249436
r1= : 3.5774159952211E-12
rpunto1: = 5307059.4073185
rduepunti0 : = -1.6385929911305E+25
fil : = 488.09635629336
fipunto1 : = 9.7475308332437E+17
fi_gradi : = 27965.861211323
t1 : = 1.0809002893077E-14
tpunto1 : = 1.0007243817534
tduepunti0 : = -2.3437860253723E+15
v=v_elettrone : = 6352281.5964232
x0= : -1.4630969892397E-12
y0= : -3.2638624319851E-12
```

```
*****
i=30357
k(30357)=0.99984341240744
kQ(30357)=0.99968684933456
r1= : 3.5780384002138E-12
rpunto1: = 5305138.286078
rduepunti0 : = -1.6380820641359E+25
fil : = 488.09647061113
fipunto1 : = 9.7441390488578E+17
fi_gradi : = 27965.867761249
t1 : = 1.080900301044E-14
tpunto1 : = 1.0007241070725
tduepunti0 : = -2.3421211309203E+15
v=v_elettrone : = 6350341.9212566
x0= : -1.4629783559195E-12
y0= : -3.2645979129098E-12
*****
i=30358
k(30358)=0.9998435257689
kQ(30358)=0.99968707602198
r1= : 3.5786605798999E-12
rpunto1: = 5303217.7635528
rduepunti0 : = -1.6375715576787E+25
fil : = 488.09658488912
fipunto1 : = 9.7407502616526E+17
fi_gradi : = 27965.874308896
t1 : = 1.0809003127804E-14
tpunto1 : = 1.0007238325866
tduepunti0 : = -2.3404578139565E+15
v=v_elettrone : = 6348403.03097
x0= : -1.4628596113748E-12
y0= : -3.2653331454559E-12
*****
i=30359
k(30359)=0.999843639054
kQ(30359)=0.99968730255675
r1= : 3.5792825343497E-12
rpunto1: = 5301297.8392502
rduepunti0 : = -1.637061471303E+25
fil : = 488.09669912737
fipunto1 : = 9.7373644680944E+17
fi_gradi : = 27965.880854265
t1 : = 1.0809003245167E-14
tpunto1 : = 1.0007235582957
tduepunti0 : = -2.3387960723514E+15
v=v_elettrone : = 6346464.924699
x0= : -1.4627407556728E-12
y0= : -3.2660681296972E-12
*****
i=30360
k(30360)=0.99984375226282
kQ(30360)=0.999687528939
r1= : 3.5799042636332E-12
rpunto1: = 5299378.5126781
rduepunti0 : = -1.6365518045539E+25
fil : = 488.0968133259
fipunto1 : = 9.7339816646547E+17
fi_gradi : = 27965.887397359
t1 : = 1.0809003362531E-14
tpunto1 : = 1.0007232841995
tduepunti0 : = -2.3371359039791E+15
v=v_elettrone : = 6344527.6025687
x0= : -1.4626217888804E-12
y0= : -3.2668028657072E-12
```

```
*****
i=30361
k(30361)=0.99984386539543
kQ(30361)=0.99968775516887
r1= : 3.5805257678207E-12
rpunto1 : = 5297459.783345
rduepunti0 : = -1.6360425569769E+25
fil : = 488.09692748477
fipunto1 : = 9.7306018478107E+17
fi_gradi : = 27965.89393818
t1 : = 1.0809003479894E-14
tpunto1 : = 1.0007230102977
tduepunti0 : = -2.3354773067172E+15
v=v_elettrone : = 6342591.063739
x0= : -1.4625027110645E-12
y0= : -3.2675373535598E-12
*****
i=30362
k(30362)=0.99984397845188
kQ(30362)=0.99968798124649
r1= : 3.581147046982E-12
rpunto1 : = 5295541.6507596
rduepunti0 : = -1.6355337281182E+25
fil : = 488.097041604
fipunto1 : = 9.7272250140452E+17
fi_gradi : = 27965.90047673
t1 : = 1.0809003597258E-14
tpunto1 : = 1.0007227365903
tduepunti0 : = -2.3338202784469E+15
v=v_elettrone : = 6340655.3073496
x0= : -1.462383522292E-12
y0= : -3.2682715933283E-12
*****
i=30363
k(30363)=0.99984409143226
kQ(30363)=0.999688207172
r1= : 3.5817681011873E-12
rpunto1 : = 5293624.1144316
rduepunti0 : = -1.6350253175247E+25
fil : = 488.09715568362
fipunto1 : = 9.7238511598463E+17
fi_gradi : = 27965.907013011
t1 : = 1.0809003714621E-14
tpunto1 : = 1.0007224630771
tduepunti0 : = -2.332164817053E+15
v=v_elettrone : = 6338720.3325745
x0= : -1.4622642226296E-12
y0= : -3.2690055850863E-12
*****
i=30364
k(30364)=0.99984420433662
kQ(30364)=0.99968843294552
r1= : 3.5823889305065E-12
rpunto1 : = 5291707.1738709
rduepunti0 : = -1.634517324744E+25
fil : = 488.09726972368
fipunto1 : = 9.7204802817077E+17
fi_gradi : = 27965.913547025
t1 : = 1.0809003831985E-14
tpunto1 : = 1.0007221897578
tduepunti0 : = -2.330510920424E+15
v=v_elettrone : = 6336786.1395139
x0= : -1.4621448121442E-12
y0= : -3.2697393289072E-12
```

```
*****
i=30365
k(30365)=0.99984431716503
kQ(30365)=0.99968865856721
r1= : 3.5830095350093E-12
rpunto1: = 5289790.8285879
rduepunti0 : = -1.6340097493242E+25
fil : = 488.0973837242
fipunto1 : = 9.7171123761286E+17
fi_gradi : = 27965.920078774
t1 : = 1.0809003949348E-14
tpunto1 : = 1.0007219166323
tduepunti0 : = -2.3288585864517E+15
v=v_elettrone : = 6334852.7282796
x0= : -1.4620252909025E-12
y0= : -3.2704728248644E-12
*****
i=30366
k(30366)=0.99984442991757
kQ(30366)=0.99968888403718
r1= : 3.5836299147657E-12
rpunto1: = 5287875.0780939
rduepunti0 : = -1.6335025908142E+25
fil : = 488.09749768522
fipunto1 : = 9.7137474396139E+17
fi_gradi : = 27965.92660826
t1 : = 1.0809004066712E-14
tpunto1 : = 1.0007216437004
tduepunti0 : = -2.3272078130317E+15
v=v_elettrone : = 6332920.0961181
x0= : -1.4619056589707E-12
y0= : -3.2712060730313E-12
*****
i=30367
k(30367)=0.99984454259429
kQ(30367)=0.99968910935558
r1= : 3.5842500698453E-12
rpunto1: = 5285959.9219003
rduepunti0 : = -1.6329958487636E+25
fil : = 488.09761160678
fipunto1 : = 9.7103854686735E+17
fi_gradi : = 27965.933135484
t1 : = 1.0809004184075E-14
tpunto1 : = 1.000721370962
tduepunti0 : = -2.325558598063E+15
v=v_elettrone : = 6330988.244092
x0= : -1.4617859164157E-12
y0= : -3.2719390734811E-12
*****
i=30368
k(30368)=0.99984465519526
kQ(30368)=0.99968933452253
r1= : 3.584870000318E-12
rpunto1: = 5284045.3595193
rduepunti0 : = -1.6324895227224E+25
fil : = 488.09772548892
fipunto1 : = 9.7070264598232E+17
fi_gradi : = 27965.93966045
t1 : = 1.0809004301438E-14
tpunto1 : = 1.0007210984167
tduepunti0 : = -2.3239109394481E+15
v=v_elettrone : = 6329057.1713573
x0= : -1.461666063304E-12
y0= : -3.2726718262869E-12
```

```
*****
i=30369
k(30369)=0.99984476772055
kQ(30369)=0.99968955953817
r1= : 3.5854897062533E-12
rpunto1: = 5282131.3904635
rduepunti0 : = -1.6319836122416E+25
fil : = 488.09783933165
fipunto1 : = 9.7036704095841E+17
fi_gradi : = 27965.946183158
t1 : = 1.0809004418801E-14
tpunto1 : = 1.0007208260645
tduepunti0 : = -2.3222648350932E+15
v=v_elettrone : = 6327126.8780173
x0= : -1.4615460997018E-12
y0= : -3.2734043315219E-12
*****
i=30370
k(30370)=0.99984488017023
kQ(30370)=0.99968978440263
r1= : 3.5861091877207E-12
rpunto1: = 5280218.014246
rduepunti0 : = -1.6314781168724E+25
fil : = 488.09795313503
fipunto1 : = 9.7003173144825E+17
fi_gradi : = 27965.952703612
t1 : = 1.0809004536165E-14
tpunto1 : = 1.0007205539052
tduepunti0 : = -2.3206202829079E+15
v=v_elettrone : = 6325197.3613231
x0= : -1.4614260256754E-12
y0= : -3.2741365892593E-12
*****
i=30371
k(30371)=0.99984499254437
kQ(30371)=0.99969000911605
r1= : 3.5867284447899E-12
rpunto1: = 5278305.2303806
rduepunti0 : = -1.6309730361671E+25
fil : = 488.09806689909
fipunto1 : = 9.6969671710507E+17
fi_gradi : = 27965.959221812
t1 : = 1.0809004653528E-14
tpunto1 : = 1.0007202819386
tduepunti0 : = -2.3189772808054E+15
v=v_elettrone : = 6323268.6223306
x0= : -1.4613058412914E-12
y0= : -3.274868599572E-12
*****
i=30372
k(30372)=0.99984510484302
kQ(30372)=0.99969023367855
r1= : 3.5873474775304E-12
rpunto1: = 5276393.0383814
rduepunti0 : = -1.6304683696784E+25
fil : = 488.09818062385
fipunto1 : = 9.6936199758258E+17
fi_gradi : = 27965.965737761
t1 : = 1.0809004770891E-14
tpunto1 : = 1.0007200101645
tduepunti0 : = -2.3173358267023E+15
v=v_elettrone : = 6321340.6611591
x0= : -1.4611855466159E-12
y0= : -3.275600362533E-12
```

```
*****
i=30373
k(30373)=0.99984521706626
kQ(30373)=0.99969045809027
r1= : 3.5879662860114E-12
rpunto1: = 5274481.4377633
rduepunti0 : = -1.6299641169597E+25
fil : = 488.09829430936
fipunto1 : = 9.6902757253506E+17
fi_gradi : = 27965.972251461
t1 : = 1.0809004888254E-14
tpunto1 : = 1.0007197385827
tduepunti0 : = -2.3156959185188E+15
v=v_elettrone : = 6319413.475039
x0= : -1.4610651417149E-12
y0= : -3.2763318782152E-12
*****
i=30374
k(30374)=0.99984532921415
kQ(30374)=0.99969068235135
r1= : 3.5885848703024E-12
rpunto1: = 5272570.4280414
rduepunti0 : = -1.6294602775649E+25
fil : = 488.09840795565
fipunto1 : = 9.6869344161735E+17
fi_gradi : = 27965.978762913
t1 : = 1.0809005005617E-14
tpunto1 : = 1.000719467193
tduepunti0 : = -2.3140575541785E+15
v=v_elettrone : = 6317487.0650366
x0= : -1.4609446266548E-12
y0= : -3.2770631466914E-12
*****
i=30375
k(30375)=0.99984544128675
kQ(30375)=0.9996909064619
r1= : 3.5892032304727E-12
rpunto1: = 5270660.0087316
rduepunti0 : = -1.6289568510489E+25
fil : = 488.09852156275
fipunto1 : = 9.6835960448479E+17
fi_gradi : = 27965.985272121
t1 : = 1.080900512298E-14
tpunto1 : = 1.0007191959954
tduepunti0 : = -2.3124207316087E+15
v=v_elettrone : = 6315561.4303033
x0= : -1.4608240015014E-12
y0= : -3.2777941680345E-12
*****
i=30376
k(30376)=0.99984555328415
kQ(30376)=0.99969113042208
r1= : 3.5898213665916E-12
rpunto1: = 5268750.1793501
rduepunti0 : = -1.6284538369669E+25
fil : = 488.0986351307
fipunto1 : = 9.6802606079328E+17
fi_gradi : = 27965.991779085
t1 : = 1.0809005240343E-14
tpunto1 : = 1.0007189249895
tduepunti0 : = -2.3107854487398E+15
v=v_elettrone : = 6313636.5699914
x0= : -1.4607032663209E-12
y0= : -3.2785249423171E-12
```

```
*****
i=30377
k(30377)=0.99984566520639
kQ(30377)=0.999691354232
r1= : 3.5904392787281E-12
rpunto1 : = 5266840.9394137
rduepunti0 : = -1.6279512348749E+25
fil : = 488.09874865953
fipunto1 : = 9.6769281019925E+17
fi_gradi : = 27965.998283808
t1 : = 1.0809005357706E-14
tpunto1 : = 1.0007186541752
tduepunti0 : = -2.3091517035062E+15
v=v_elettrone : = 6311712.484213
x0= : -1.4605824211792E-12
y0= : -3.2792554696119E-12
*****
i=30378
k(30378)=0.99984577705354
kQ(30378)=0.99969157789181
r1= : 3.5910569669514E-12
rpunto1 : = 5264932.2884399
rduepunti0 : = -1.6274490443294E+25
fil : = 488.09886214928
fipunto1 : = 9.6735985235967E+17
fi_gradi : = 27966.004786291
t1 : = 1.0809005475069E-14
tpunto1 : = 1.0007183835523
tduepunti0 : = -2.3075194938452E+15
v=v_elettrone : = 6309789.1711505
x0= : -1.4604614661419E-12
y0= : -3.2799857499916E-12
*****
i=30379
k(30379)=0.99984588882568
kQ(30379)=0.99969180140162
r1= : 3.5916744313307E-12
rpunto1 : = 5263024.2259464
rduepunti0 : = -1.6269472648878E+25
fil : = 488.09897559998
fipunto1 : = 9.6702718693204E+17
fi_gradi : = 27966.011286538
t1 : = 1.0809005592432E-14
tpunto1 : = 1.0007181131207
tduepunti0 : = -2.305888817698E+15
v=v_elettrone : = 6307866.63092
x0= : -1.4603404012751E-12
y0= : -3.2807157835287E-12
*****
i=30380
k(30380)=0.99984600052287
kQ(30380)=0.99969202476158
r1= : 3.5922916719349E-12
rpunto1 : = 5261116.7514517
rduepunti0 : = -1.6264458961079E+25
fil : = 488.09908901166
fipunto1 : = 9.6669481357441E+17
fi_gradi : = 27966.017784548
t1 : = 1.0809005709795E-14
tpunto1 : = 1.0007178428801
tduepunti0 : = -2.3042596730091E+15
v=v_elettrone : = 6305944.8626584
x0= : -1.4602192266445E-12
y0= : -3.2814455702956E-12
```

```
*****
i=30381
k(30381)=0.99984611214517
kQ(30381)=0.99969224797181
r1= : 3.592908688833E-12
rpunto1 : = 5259209.8644747
rduepunti0 : = -1.6259449375482E+25
fil : = 488.09920238437
fipunto1 : = 9.6636273194534E+17
fi_gradi : = 27966.024280326
t1 : = 1.0809005827158E-14
tpunto1 : = 1.0007175728304
tduepunti0 : = -2.3026320577263E+15
v=v_elettrone : = 6304023.8664902
x0= : -1.4600979423158E-12
y0= : -3.2821751103648E-12
*****
i=30382
k(30382)=0.99984622369265
kQ(30382)=0.99969247103245
r1= : 3.5935254820938E-12
rpunto1 : = 5257303.5645347
rduepunti0 : = -1.6254443887678E+25
fil : = 488.09931571812
fipunto1 : = 9.6603094170393E+17
fi_gradi : = 27966.030773872
t1 : = 1.0809005944521E-14
tpunto1 : = 1.0007173029715
tduepunti0 : = -2.3010059698011E+15
v=v_elettrone : = 6302103.6415583
x0= : -1.4599765483546E-12
y0= : -3.2829044038087E-12
*****
i=30383
k(30383)=0.99984633516537
kQ(30383)=0.99969269394362
r1= : 3.5941420517863E-12
rpunto1 : = 5255397.8511517
rduepunti0 : = -1.6249442493266E+25
fil : = 488.09942901297
fipunto1 : = 9.6569944250982E+17
fi_gradi : = 27966.037265189
t1 : = 1.0809006061884E-14
tpunto1 : = 1.000717033303
tduepunti0 : = -2.2993814071883E+15
v=v_elettrone : = 6300184.187962
x0= : -1.4598550448264E-12
y0= : -3.2836334506995E-12
*****
i=30384
k(30384)=0.9998464465634
kQ(30384)=0.99969291670546
r1= : 3.5947583979793E-12
rpunto1 : = 5253492.7238462
rduepunti0 : = -1.624444518785E+25
fil : = 488.09954226894
fipunto1 : = 9.6536823402317E+17
fi_gradi : = 27966.043754278
t1 : = 1.0809006179247E-14
tpunto1 : = 1.0007167638249
tduepunti0 : = -2.2977583678461E+15
v=v_elettrone : = 6298265.502936
x0= : -1.4597334317966E-12
y0= : -3.2843622511097E-12
```



```
*****
i=30385
k(30385)=0.9998465578868
kQ(30385)=0.99969313931809
r1= : 3.5953745207413E-12
rpunto1: = 5251588.1821391
rduepunti0 : = -1.6239451967039E+25
fil : = 488.09965548606
fipunto1 : = 9.6503731590466E+17
fi_gradi : = 27966.050241141
t1 : = 1.0809006296609E-14
tpunto1 : = 1.000716494537
tduepunti0 : = -2.2961368497361E+15
v=v_elettrone : = 6296347.5885102
x0= : -1.4596117093309E-12
y0= : -3.2850908051112E-12
*****
i=30386
k(30386)=0.99984666913565
kQ(30386)=0.99969336178165
r1= : 3.5959904201413E-12
rpunto1: = 5249684.2255518
rduepunti0 : = -1.6234462826452E+25
fil : = 488.09976866438
fipunto1 : = 9.6470668781552E+17
fi_gradi : = 27966.056725781
t1 : = 1.0809006413972E-14
tpunto1 : = 1.000716225439
tduepunti0 : = -2.2945168508235E+15
v=v_elettrone : = 6294430.4418989
x0= : -1.4594898774945E-12
y0= : -3.2858191127765E-12
*****
i=30387
k(30387)=0.99984678031
kQ(30387)=0.99969358409627
r1= : 3.5966060962476E-12
rpunto1: = 5247780.8536065
rduepunti0 : = -1.622947776171E+25
fil : = 488.09988180392
fipunto1 : = 9.643763494175E+17
fi_gradi : = 27966.063208199
t1 : = 1.0809006531335E-14
tpunto1 : = 1.0007159565309
tduepunti0 : = -2.2928983690767E+15
v=v_elettrone : = 6292514.0641857
x0= : -1.4593679363529E-12
y0= : -3.2865471741773E-12
*****
i=30388
k(30388)=0.99984689140992
kQ(30388)=0.99969380626208
r1= : 3.597221549129E-12
rpunto1: = 5245878.0658255
rduepunti0 : = -1.6224496768444E+25
fil : = 488.09999490472
fipunto1 : = 9.6404630037286E+17
fi_gradi : = 27966.069688397
t1 : = 1.0809006648697E-14
tpunto1 : = 1.0007156878124
tduepunti0 : = -2.2912814024675E+15
v=v_elettrone : = 6290598.4545039
x0= : -1.4592458859712E-12
y0= : -3.2872749893859E-12
```

```
*****
i=30389
k(30389)=0.99984700243547
kQ(30389)=0.9996940282792
r1= : 3.597836778854E-12
rpunto1: = 5243975.861732
rduepunti0 : = -1.6219519842289E+25
fil : = 488.10010796681
fipunto1 : = 9.637165403444E+17
fi_gradi : = 27966.076166378
t1 : = 1.080900676606E-14
tpunto1 : = 1.0007154192834
tduepunti0 : = -2.2896659489713E+15
v=v_elettrone : = 6288683.6110416
x0= : -1.4591237264146E-12
y0= : -3.2880025584741E-12
*****
i=30390
k(30390)=0.99984711338673
kQ(30390)=0.99969425014778
r1= : 3.5984517854909E-12
rpunto1: = 5242074.2408493
rduepunti0 : = -1.6214546978886E+25
fil : = 488.10022099022
fipunto1 : = 9.6338706899544E+17
fi_gradi : = 27966.082642143
t1 : = 1.0809006883423E-14
tpunto1 : = 1.0007151509436
tduepunti0 : = -2.2880520065667E+15
v=v_elettrone : = 6286769.5348687
x0= : -1.4590014577484E-12
y0= : -3.2887298815139E-12
*****
i=30391
k(30391)=0.99984722426375
kQ(30391)=0.99969447186792
r1= : 3.5990665691082E-12
rpunto1: = 5240173.2027016
rduepunti0 : = -1.6209578173884E+25
fil : = 488.100333975
fipunto1 : = 9.6305788598983E+17
fi_gradi : = 27966.089115694
t1 : = 1.0809007000785E-14
tpunto1 : = 1.000714882793
tduepunti0 : = -2.2864395732356E+15
v=v_elettrone : = 6284856.2251298
x0= : -1.4588790800376E-12
y0= : -3.2894569585771E-12
*****
i=30392
k(30392)=0.9998473350666
kQ(30392)=0.99969469343978
r1= : 3.5996811297743E-12
rpunto1: = 5238272.7468134
rduepunti0 : = -1.6204613422938E+25
fil : = 488.10044692117
fipunto1 : = 9.6272899099193E+17
fi_gradi : = 27966.095587032
t1 : = 1.0809007118148E-14
tpunto1 : = 1.0007146148313
tduepunti0 : = -2.2848286469636E+15
v=v_elettrone : = 6282943.6800054
x0= : -1.4587565933471E-12
y0= : -3.2901837897356E-12
```

```
*****
i=30393
k(30393)=0.99984744579534
kQ(30393)=0.99969491486347
r1= : 3.6002954675573E-12
rpunto1: = 5236372.8727098
rduepunti0 : = -1.6199652721708E+25
fil : = 488.10055982877
fipunto1 : = 9.6240038366661E+17
fi_gradi : = 27966.102056161
t1 : = 1.080900723551E-14
tpunto1 : = 1.0007143470583
tduepunti0 : = -2.2832192257392E+15
v=v_elettrone : = 6281031.900563
x0= : -1.4586339977421E-12
y0= : -3.290910375061E-12
*****
i=30394
k(30394)=0.99984755645004
kQ(30394)=0.99969513613912
r1= : 3.6009095825256E-12
rpunto1: = 5234473.5799163
rduepunti0 : = -1.619469606586E+25
fil : = 488.10067269783
fipunto1 : = 9.620720636793E+17
fi_gradi : = 27966.108523082
t1 : = 1.0809007352873E-14
tpunto1 : = 1.0007140794739
tduepunti0 : = -2.2816113075548E+15
v=v_elettrone : = 6279120.884986
x0= : -1.4585112932873E-12
y0= : -3.291636714625E-12
*****
i=30395
k(30395)=0.99984766703077
kQ(30395)=0.99969535726687
r1= : 3.6015234747474E-12
rpunto1: = 5232574.867959
rduepunti0 : = -1.6189743451068E+25
fil : = 488.10078552838
fipunto1 : = 9.6174403069591E+17
fi_gradi : = 27966.114987797
t1 : = 1.0809007470235E-14
tpunto1 : = 1.0007138120779
tduepunti0 : = -2.2800048904056E+15
v=v_elettrone : = 6277210.6333796
x0= : -1.4583884800476E-12
y0= : -3.2923628084993E-12
*****
i=30396
k(30396)=0.99984777753758
kQ(30396)=0.99969557824684
r1= : 3.6021371442906E-12
rpunto1: = 5230676.7363644
rduepunti0 : = -1.6184794873011E+25
fil : = 488.10089832047
fipunto1 : = 9.6141628438288E+17
fi_gradi : = 27966.121450307
t1 : = 1.0809007587598E-14
tpunto1 : = 1.0007135448702
tduepunti0 : = -2.2783999722906E+15
v=v_elettrone : = 6275301.1448885
x0= : -1.4582655580878E-12
y0= : -3.2930886567554E-12
```

```
*****
i=30397
k(30397)=0.99984788797054
kQ(30397)=0.99969579907916
r1= : 3.6027505912235E-12
rpunto1: = 5228779.1846597
rduepunti0 : = -1.6179850327375E+25
fil : = 488.10101107411
fipunto1 : = 9.6108882440718E+17
fi_gradi : = 27966.127910615
t1 : = 1.080900770496E-14
tpunto1 : = 1.0007132778504
tduepunti0 : = -2.2767965512118E+15
v=v_elettrone : = 6273392.4186436
x0= : -1.4581425274727E-12
y0= : -3.2938142594648E-12
*****
i=30398
k(30398)=0.99984799832972
kQ(30398)=0.99969601976395
r1= : 3.603363815614E-12
rpunto1: = 5226882.2123725
rduepunti0 : = -1.6174909809851E+25
fil : = 488.10112378935
fipunto1 : = 9.6076165043627E+17
fi_gradi : = 27966.134368723
t1 : = 1.0809007822322E-14
tpunto1 : = 1.0007130110186
tduepunti0 : = -2.2751946251748E+15
v=v_elettrone : = 6271484.4557337
x0= : -1.458019388267E-12
y0= : -3.2945396166989E-12
*****
i=30399
k(30399)=0.99984810861518
kQ(30399)=0.99969624030136
r1= : 3.6039768175301E-12
rpunto1: = 5224985.8190307
rduepunti0 : = -1.6169973316136E+25
fil : = 488.10123646623
fipunto1 : = 9.6043476213815E+17
fi_gradi : = 27966.140824632
t1 : = 1.0809007939685E-14
tpunto1 : = 1.0007127443744
tduepunti0 : = -2.2735941921883E+15
v=v_elettrone : = 6269577.2533574
x0= : -1.4578961405352E-12
y0= : -3.2952647285293E-12
*****
i=30400
k(30400)=0.99984821882699
kQ(30400)=0.9996964606915
r1= : 3.6045895970396E-12
rpunto1: = 5223090.0041631
rduepunti0 : = -1.6165040841935E+25
fil : = 488.10134910476
fipunto1 : = 9.6010815918132E+17
fi_gradi : = 27966.147278344
t1 : = 1.0809008057047E-14
tpunto1 : = 1.0007124779178
tduepunti0 : = -2.2719952502645E+15
v=v_elettrone : = 6267670.8125869
x0= : -1.4577727843418E-12
y0= : -3.295989595027E-12
```

```
*****
i=30401
k(30401)=0.9998483289652
kQ(30401)=0.9996966809345
r1= : 3.6052021542105E-12
rpunto1: = 5221194.7672988
rduepunti0 : = -1.6160112382958E+25
fil : = 488.10146170499
fipunto1 : = 9.5978184123479E+17
fi_gradi : = 27966.153729862
t1 : = 1.0809008174409E-14
tpunto1 : = 1.0007122116485
tduepunti0 : = -2.2703977974187E+15
v=v_elettrone : = 6265765.1315992
x0= : -1.4576493197514E-12
y0= : -3.2967142162636E-12
*****
i=30402
k(30402)=0.99984843902989
kQ(30402)=0.9996969010305
r1= : 3.6058144891104E-12
rpunto1: = 5219300.1079672
rduepunti0 : = -1.6155187934921E+25
fil : = 488.10157426695
fipunto1 : = 9.5945580796809E+17
fi_gradi : = 27966.160179188
t1 : = 1.0809008291771E-14
tpunto1 : = 1.0007119455664
tduepunti0 : = -2.2688018316697E+15
v=v_elettrone : = 6263860.2114659
x0= : -1.4575257468285E-12
y0= : -3.2974385923101E-12
*****
i=30403
k(30403)=0.99984854902111
kQ(30403)=0.99969712097961
r1= : 3.6064266018072E-12
rpunto1: = 5217406.0256986
rduepunti0 : = -1.6150267493546E+25
fil : = 488.10168679067
fipunto1 : = 9.5913005905127E+17
fi_gradi : = 27966.166626322
t1 : = 1.0809008409134E-14
tpunto1 : = 1.0007116796713
tduepunti0 : = -2.2672073510395E+15
v=v_elettrone : = 6261956.0503656
x0= : -1.4574020656373E-12
y0= : -3.2981627232377E-12
*****
i=30404
k(30404)=0.99984865893893
kQ(30404)=0.99969734078197
r1= : 3.6070384923684E-12
rpunto1: = 5215512.5200236
rduepunti0 : = -1.6145351054562E+25
fil : = 488.10179927619
fipunto1 : = 9.5880459415487E+17
fi_gradi : = 27966.173071268
t1 : = 1.0809008526496E-14
tpunto1 : = 1.000711413963
tduepunti0 : = -2.2656143535534E+15
v=v_elettrone : = 6260052.6474266
x0= : -1.4572782762421E-12
y0= : -3.2988866091176E-12
```

```
*****
i=30405
k(30405)=0.99984876878341
kQ(30405)=0.9996975604377
r1= : 3.6076501608618E-12
rpunto1: = 5213619.5904732
rduepunti0 : = -1.6140438613703E+25
fil : = 488.10191172354
fipunto1 : = 9.5847941294995E+17
fi_gradi : = 27966.179514026
t1 : = 1.0809008643858E-14
tpunto1 : = 1.0007111484413
tduepunti0 : = -2.26402283724E+15
v=v_elettrone : = 6258150.0037294
x0= : -1.4571543787074E-12
y0= : -3.2996102500207E-12
*****
i=30406
k(30406)=0.99984887855462
kQ(30406)=0.99969777994693
r1= : 3.6082616073549E-12
rpunto1: = 5211727.236579
rduepunti0 : = -1.613553016671E+25
fil : = 488.10202413276
fipunto1 : = 9.5815451510807E+17
fi_gradi : = 27966.1859546
t1 : = 1.080900876122E-14
tpunto1 : = 1.0007108831062
tduepunti0 : = -2.2624328001312E+15
v=v_elettrone : = 6256248.1174413
x0= : -1.4570303730971E-12
y0= : -3.3003336460181E-12
*****
i=30407
k(30407)=0.99984898825262
kQ(30407)=0.99969799930979
r1= : 3.6088728319153E-12
rpunto1: = 5209835.4578732
rduepunti0 : = -1.6130625709329E+25
fil : = 488.10213650387
fipunto1 : = 9.5782990030131E+17
fi_gradi : = 27966.19239299
t1 : = 1.0809008878582E-14
tpunto1 : = 1.0007106179573
tduepunti0 : = -2.2608442402622E+15
v=v_elettrone : = 6254346.9877026
x0= : -1.4569062594755E-12
y0= : -3.3010567971807E-12
*****
i=30408
k(30408)=0.99984909787748
kQ(30408)=0.99969821852641
r1= : 3.6094838346102E-12
rpunto1: = 5207944.2538883
rduepunti0 : = -1.6125725237313E+25
fil : = 488.10224883691
fipunto1 : = 9.5750556820225E+17
fi_gradi : = 27966.198829199
t1 : = 1.0809008995944E-14
tpunto1 : = 1.0007103529946
tduepunti0 : = -2.2592571556712E+15
v=v_elettrone : = 6252446.6155868
x0= : -1.4567820379067E-12
y0= : -3.3017797035793E-12
```

```
*****
i=30409
k(30409)=0.99984920742925
kQ(30409)=0.9996984375969
r1= : 3.6100946155073E-12
rpunto1: = 5206053.6241575
rduepunti0 : = -1.6120828746422E+25
fil : = 488.10236113191
fipunto1 : = 9.5718151848397E+17
fi_gradi : = 27966.205263229
t1 : = 1.0809009113306E-14
tpunto1 : = 1.0007100882178
tduepunti0 : = -2.2576715444E+15
v=v_elettrone : = 6250546.9982898
x0= : -1.4566577084546E-12
y0= : -3.3025023652849E-12
*****
i=30410
k(30410)=0.99984931690801
kQ(30410)=0.99969865652141
r1= : 3.6107051746737E-12
rpunto1: = 5204163.5682144
rduepunti0 : = -1.6115936232419E+25
fil : = 488.1024733889
fipunto1 : = 9.5685775082006E+17
fi_gradi : = 27966.211695081
t1 : = 1.0809009230668E-14
tpunto1 : = 1.0007098236268
tduepunti0 : = -2.2560874044935E+15
v=v_elettrone : = 6248648.1378561
x0= : -1.4565332711833E-12
y0= : -3.3032247823681E-12
*****
i=30411
k(30411)=0.9998494263138
kQ(30411)=0.99969887530004
r1= : 3.6113155121769E-12
rpunto1: = 5202274.085593
rduepunti0 : = -1.6111047691076E+25
fil : = 488.10258560793
fipunto1 : = 9.5653426488462E+17
fi_gradi : = 27966.218124757
t1 : = 1.080900934803E-14
tpunto1 : = 1.0007095592215
tduepunti0 : = -2.2545047339998E+15
v=v_elettrone : = 6246750.0314889
x0= : -1.4564087261566E-12
y0= : -3.3039469548996E-12
*****
i=30412
k(30412)=0.99984953564671
kQ(30412)=0.99969909393294
r1= : 3.611925628084E-12
rpunto1: = 5200385.1758279
rduepunti0 : = -1.610616311817E+25
fil : = 488.10269778902
fipunto1 : = 9.5621106035224E+17
fi_gradi : = 27966.22455226
t1 : = 1.0809009465392E-14
tpunto1 : = 1.0007092950015
tduepunti0 : = -2.2529235309704E+15
v=v_elettrone : = 6244852.6792892
x0= : -1.4562840734384E-12
y0= : -3.3046688829502E-12
```

```
*****
i=30413
k(30413)=0.99984964490678
kQ(30413)=0.99969931242022
r1= : 3.6125355224622E-12
rpunto1: = 5198496.8384542
rduepunti0 : = -1.6101282509483E+25
fil : = 488.1028099322
fipunto1 : = 9.5588813689801E+17
fi_gradi : = 27966.230977592
t1 : = 1.0809009582754E-14
tpunto1 : = 1.0007090309669
tduepunti0 : = -2.2513437934597E+15
v=v_elettrone : = 6242956.0813565
x0= : -1.4561593130926E-12
y0= : -3.3053905665902E-12
*****
i=30414
k(30414)=0.99984975409409
kQ(30414)=0.99969953076201
r1= : 3.6131451953787E-12
rpunto1: = 5196609.0730075
rduepunti0 : = -1.6096405860805E+25
fil : = 488.10292203752
fipunto1 : = 9.5556549419753E+17
fi_gradi : = 27966.237400753
t1 : = 1.0809009700116E-14
tpunto1 : = 1.0007087671173
tduepunti0 : = -2.2497655195258E+15
v=v_elettrone : = 6241060.2368415
x0= : -1.4560344451828E-12
y0= : -3.3061120058904E-12
*****
i=30415
k(30415)=0.99984986320869
kQ(30415)=0.99969974895844
r1= : 3.6137546469006E-12
rpunto1: = 5194721.8790239
rduepunti0 : = -1.609153316793E+25
fil : = 488.10303410499
fipunto1 : = 9.5524313192689E+17
fi_gradi : = 27966.243821746
t1 : = 1.0809009817477E-14
tpunto1 : = 1.0007085034527
tduepunti0 : = -2.2481887072296E+15
v=v_elettrone : = 6239165.1458215
x0= : -1.4559094697727E-12
y0= : -3.3068332009212E-12
*****
i=30416
k(30416)=0.99984997225065
kQ(30416)=0.99969996700963
r1= : 3.6143638770948E-12
rpunto1: = 5192835.2560398
rduepunti0 : = -1.608666442666E+25
fil : = 488.10314613465
fipunto1 : = 9.549210497627E+17
fi_gradi : = 27966.250240573
t1 : = 1.0809009934839E-14
tpunto1 : = 1.0007082399728
tduepunti0 : = -2.2466133546354E+15
v=v_elettrone : = 6237270.8064967
x0= : -1.4557843869257E-12
y0= : -3.307554151753E-12
```



```
*****
i=30417
k(30417)=0.99985008122004
kQ(30417)=0.99970018491572
r1= : 3.6149728860283E-12
rpunto1: = 5190949.2035925
rduepunti0 : = -1.6081799632801E+25
fil : = 488.10325812655
fipunto1 : = 9.5459924738204E+17
fi_gradi : = 27966.256657236
t1 : = 1.0809010052201E-14
tpunto1 : = 1.0007079766775
tduepunti0 : = -2.2450394598107E+15
v=v_elettrone : = 6235377.2179705
x0= : -1.4556591967056E-12
y0= : -3.3082748584563E-12
*****
i=30418
k(30418)=0.9998501901169
kQ(30418)=0.99970040267681
r1= : 3.615581673768E-12
rpunto1: = 5189063.7212193
rduepunti0 : = -1.6076938782167E+25
fil : = 488.1033700807
fipunto1 : = 9.5427772446251E+17
fi_gradi : = 27966.263071736
t1 : = 1.0809010169563E-14
tpunto1 : = 1.0007077135666
tduepunti0 : = -2.2434670208262E+15
v=v_elettrone : = 6233484.3813291
x0= : -1.455533899176E-12
y0= : -3.3089953211012E-12
*****
i=30419
k(30419)=0.99985029894132
kQ(30419)=0.99970062029304
r1= : 3.6161902403809E-12
rpunto1: = 5187178.8084584
rduepunti0 : = -1.6072081870575E+25
fil : = 488.10348199714
fipunto1 : = 9.5395648068218E+17
fi_gradi : = 27966.269484076
t1 : = 1.0809010286924E-14
tpunto1 : = 1.00070745064
tduepunti0 : = -2.2418960357556E+15
v=v_elettrone : = 6231592.2957091
x0= : -1.4554084944001E-12
y0= : -3.309715539758E-12
*****
i=30420
k(30420)=0.99985040769334
kQ(30420)=0.99970083776454
r1= : 3.6167985859336E-12
rpunto1: = 5185294.4648483
rduepunti0 : = -1.6067228893851E+25
fil : = 488.10359387591
fipunto1 : = 9.5363551571964E+17
fi_gradi : = 27966.275894257
t1 : = 1.0809010404286E-14
tpunto1 : = 1.0007071878974
tduepunti0 : = -2.2403265026762E+15
v=v_elettrone : = 6229700.9592634
x0= : -1.4552829824413E-12
y0= : -3.3104355144969E-12
```

```
*****
i=30421
k(30421)=0.99985051637304
kQ(30421)=0.99970105509143
r1= : 3.617406710493E-12
rpunto1: = 5183410.689928
rduepunti0 : = -1.6062379847825E+25
fil : = 488.10370571704
fipunto1 : = 9.5331482925395E+17
fi_gradi : = 27966.282302282
t1 : = 1.0809010521648E-14
tpunto1 : = 1.0007069253388
tduepunti0 : = -2.2387584196681E+15
v=v_elettrone : = 6227810.3730792
x0= : -1.4551573633632E-12
y0= : -3.3111552453881E-12
*****
i=30422
k(30422)=0.99985062498047
kQ(30422)=0.99970127227383
r1= : 3.6180146141257E-12
rpunto1: = 5181527.4832369
rduepunti0 : = -1.6057534728335E+25
fil : = 488.10381752056
fipunto1 : = 9.529944209647E+17
fi_gradi : = 27966.288708152
t1 : = 1.0809010639009E-14
tpunto1 : = 1.0007066629638
tduepunti0 : = -2.2371917848146E+15
v=v_elettrone : = 6225920.5353041
x0= : -1.4550316372287E-12
y0= : -3.3118747325017E-12
*****
i=30423
k(30423)=0.99985073351569
kQ(30423)=0.99970148931186
r1= : 3.6186222968984E-12
rpunto1: = 5179644.8443151
rduepunti0 : = -1.6052693531221E+25
fil : = 488.1039292865
fipunto1 : = 9.5267429053193E+17
fi_gradi : = 27966.295111868
t1 : = 1.0809010756371E-14
tpunto1 : = 1.0007064007725
tduepunti0 : = -2.2356265962024E+15
v=v_elettrone : = 6224031.4470147
x0= : -1.4549058041013E-12
y0= : -3.3125939759076E-12
*****
i=30424
k(30424)=0.99985084197877
kQ(30424)=0.99970170620566
r1= : 3.6192297588777E-12
rpunto1: = 5177762.772703
rduepunti0 : = -1.6047856252334E+25
fil : = 488.10404101489
fipunto1 : = 9.5235443763619E+17
fi_gradi : = 27966.301513434
t1 : = 1.0809010873732E-14
tpunto1 : = 1.0007061387645
tduepunti0 : = -2.2340628519213E+15
v=v_elettrone : = 6222143.1054157
x0= : -1.4547798640439E-12
y0= : -3.3133129756759E-12
```

```
*****
i=30425
k(30425)=0.99985095036978
kQ(30425)=0.99970192295534
r1= : 3.61983700013E-12
rpunto1 : = 5175881.2679417
rduepunti0 : = -1.6043022887527E+25
fil : = 488.10415270578
fipunto1 : = 9.5203486195853E+17
fi_gradi : = 27966.30791285
t1 : = 1.0809010991094E-14
tpunto1 : = 1.0007058769398
tduepunti0 : = -2.232500550064E+15
v=v_elettrone : = 6220255.5115619
x0= : -1.4546538171199E-12
y0= : -3.3140317318765E-12
*****
i=30426
k(30426)=0.99985105868876
kQ(30426)=0.99970213956104
r1= : 3.620444020722E-12
rpunto1 : = 5174000.3295725
rduepunti0 : = -1.6038193432661E+25
fil : = 488.10426435918
fipunto1 : = 9.5171556318047E+17
fi_gradi : = 27966.314310119
t1 : = 1.0809011108455E-14
tpunto1 : = 1.0007056152981
tduepunti0 : = -2.2309396887266E+15
v=v_elettrone : = 6218368.6655571
x0= : -1.4545276633921E-12
y0= : -3.3147502445791E-12
*****
i=30427
k(30427)=0.99985116693579
kQ(30427)=0.99970235602287
r1= : 3.6210508207199E-12
rpunto1 : = 5172119.9571374
rduepunti0 : = -1.6033367883601E+25
fil : = 488.10437597514
fipunto1 : = 9.5139654098403E+17
fi_gradi : = 27966.320705242
t1 : = 1.0809011225817E-14
tpunto1 : = 1.0007053538393
tduepunti0 : = -2.2293802660082E+15
v=v_elettrone : = 6216482.564602
x0= : -1.4544014029234E-12
y0= : -3.3154685138538E-12
*****
i=30428
k(30428)=0.99985127511093
kQ(30428)=0.99970257234095
r1= : 3.6216574001903E-12
rpunto1 : = 5170240.1501788
rduepunti0 : = -1.6028546236219E+25
fil : = 488.10448755368
fipunto1 : = 9.5107779505172E+17
fi_gradi : = 27966.327098222
t1 : = 1.0809011343178E-14
tpunto1 : = 1.0007050925632
tduepunti0 : = -2.2278222800113E+15
v=v_elettrone : = 6214597.2097576
x0= : -1.454275035777E-12
y0= : -3.3161865397701E-12
```

```
*****
i=30429
k(30429)=0.99985138321423
kQ(30429)=0.99970278851542
r1= : 3.6222637591993E-12
rpunto1 : = 5168360.9082396
rduepunti0 : = -1.6023728486394E+25
fil : = 488.10459909485
fipunto1 : = 9.5075932506652E+17
fi_gradi : = 27966.33348906
t1 : = 1.080901146054E-14
tpunto1 : = 1.0007048314696
tduepunti0 : = -2.2262657288411E+15
v=v_elettrone : = 6212712.6001578
x0= : -1.4541485620156E-12
y0= : -3.3169043223977E-12
*****
i=30430
k(30430)=0.99985149124577
kQ(30430)=0.99970300454639
r1= : 3.6228698978133E-12
rpunto1 : = 5166482.2308632
rduepunti0 : = -1.6018914630009E+25
fil : = 488.10471059866
fipunto1 : = 9.5044113071192E+17
fi_gradi : = 27966.339877758
t1 : = 1.0809011577901E-14
tpunto1 : = 1.0007045705585
tduepunti0 : = -2.2247106106064E+15
v=v_elettrone : = 6210828.7349318
x0= : -1.4540219817021E-12
y0= : -3.3176218618064E-12
*****
i=30431
k(30431)=0.99985159920559
kQ(30431)=0.99970322043398
r1= : 3.6234758160984E-12
rpunto1 : = 5164604.1175935
rduepunti0 : = -1.6014104662952E+25
fil : = 488.10482206515
fipunto1 : = 9.5012321167187E+17
fi_gradi : = 27966.346264317
t1 : = 1.0809011695262E-14
tpunto1 : = 1.0007043098295
tduepunti0 : = -2.2231569234186E+15
v=v_elettrone : = 6208945.6141829
x0= : -1.4538952948992E-12
y0= : -3.3183391580656E-12
*****
i=30432
k(30432)=0.99985170709377
kQ(30432)=0.99970343617833
r1= : 3.6240815141209E-12
rpunto1 : = 5162726.5679747
rduepunti0 : = -1.6009298581121E+25
fil : = 488.10493349436
fipunto1 : = 9.4980556763083E+17
fi_gradi : = 27966.352648741
t1 : = 1.0809011812624E-14
tpunto1 : = 1.0007040492827
tduepunti0 : = -2.2216046653926E+15
v=v_elettrone : = 6207063.2370398
x0= : -1.4537685016697E-12
y0= : -3.3190562112449E-12
```

```
*****
i=30433
k(30433)=0.99985181491037
kQ(30433)=0.99970365177955
r1= : 3.6246869919468E-12
rpunto1 : = 5160849.5815518
rduepunti0 : = -1.6004496380415E+25
fil : = 488.10504488632
fipunto1 : = 9.4948819827371E+17
fi_gradi : = 27966.35903103
t1 : = 1.0809011929985E-14
tpunto1 : = 1.0007037889176
tduepunti0 : = -2.2200538346464E+15
v=v_elettrone : = 6205181.6035979
x0= : -1.4536416020762E-12
y0= : -3.3197730214137E-12
*****
i=30434
k(30434)=0.99985192265544
kQ(30434)=0.99970386723777
r1= : 3.6252922496422E-12
rpunto1 : = 5158973.15787
rduepunti0 : = -1.5999698056741E+25
fil : = 488.10515624105
fipunto1 : = 9.4917110328593E+17
fi_gradi : = 27966.365411186
t1 : = 1.0809012047346E-14
tpunto1 : = 1.0007035287343
tduepunti0 : = -2.2185044293007E+15
v=v_elettrone : = 6203300.7120204
x0= : -1.453514596181E-12
y0= : -3.3204895886416E-12
*****
i=30435
k(30435)=0.99985203032904
kQ(30435)=0.99970408255311
r1= : 3.6258972872731E-12
rpunto1 : = 5157097.2964751
rduepunti0 : = -1.5994903606013E+25
fil : = 488.1052675586
fipunto1 : = 9.4885428235339E+17
fi_gradi : = 27966.371789211
t1 : = 1.0809012164707E-14
tpunto1 : = 1.0007032687326
tduepunti0 : = -2.2169564474799E+15
v=v_elettrone : = 6201420.5623977
x0= : -1.453387484047E-12
y0= : -3.3212059129978E-12
*****
i=30436
k(30436)=0.99985213793125
kQ(30436)=0.99970429772569
r1= : 3.6265021049054E-12
rpunto1 : = 5155221.9969134
rduepunti0 : = -1.5990113024148E+25
fil : = 488.10537883899
fipunto1 : = 9.4853773516245E+17
fi_gradi : = 27966.378165108
t1 : = 1.0809012282068E-14
tpunto1 : = 1.0007030089122
tduepunti0 : = -2.2154098873109E+15
v=v_elettrone : = 6199541.1548483
x0= : -1.4532602657366E-12
y0= : -3.3219219945516E-12
```

```
*****
i=30437
k(30437)=0.99985224546211
kQ(30437)=0.99970451275563
r1= : 3.6271067026051E-12
rpunto1: = 5153347.2587317
rduepunti0 : = -1.5985326307071E+25
fil : = 488.10549008225
fipunto1 : = 9.4822146139996E+17
fi_gradi : = 27966.384538878
t1 : = 1.080901239943E-14
tpunto1 : = 1.000702749273
tduepunti0 : = -2.213864746924E+15
v=v_elettrone : = 6197662.4875016
x0= : -1.453132941312E-12
y0= : -3.3226378333724E-12
*****
i=30438
k(30438)=0.9998523529217
kQ(30438)=0.99970472764306
r1= : 3.6277110804379E-12
rpunto1: = 5151473.081477
rduepunti0 : = -1.5980543450712E+25
fil : = 488.10560128843
fipunto1 : = 9.4790546075325E+17
fi_gradi : = 27966.390910522
t1 : = 1.0809012516791E-14
tpunto1 : = 1.0007024898149
tduepunti0 : = -2.2123210244525E+15
v=v_elettrone : = 6195784.5614506
x0= : -1.4530055108358E-12
y0= : -3.3233534295292E-12
*****
i=30439
k(30439)=0.99985246031007
kQ(30439)=0.9997049423881
r1= : 3.6283152384696E-12
rpunto1: = 5149599.4646972
rduepunti0 : = -1.5975764451007E+25
fil : = 488.10571245754
fipunto1 : = 9.4758973291014E+17
fi_gradi : = 27966.397280043
t1 : = 1.0809012634152E-14
tpunto1 : = 1.0007022305377
tduepunti0 : = -2.2107787180328E+15
v=v_elettrone : = 6193907.3748382
x0= : -1.4528779743702E-12
y0= : -3.3240687830912E-12
*****
i=30440
k(30440)=0.99985256762728
kQ(30440)=0.99970515699086
r1= : 3.628919176766E-12
rpunto1: = 5147726.4079405
rduepunti0 : = -1.5970989303896E+25
fil : = 488.10582358963
fipunto1 : = 9.472742775589E+17
fi_gradi : = 27966.403647443
t1 : = 1.0809012751513E-14
tpunto1 : = 1.0007019714412
tduepunti0 : = -2.2092378258044E+15
v=v_elettrone : = 6192030.9277629
x0= : -1.4527503319774E-12
y0= : -3.3247838941276E-12
```

```
*****
i=30441
k(30441)=0.99985267487339
kQ(30441)=0.99970537145148
r1= : 3.6295228953927E-12
rpunto1: = 5145853.9107554
rduepunti0 : = -1.5966218005328E+25
fil : = 488.10593468472
fipunto1 : = 9.4695909438829E+17
fi_gradi : = 27966.410012723
t1 : = 1.0809012868874E-14
tpunto1 : = 1.0007017125252
tduepunti0 : = -2.2076983459096E+15
v=v_elettrone : = 6190155.2193605
x0= : -1.4526225837197E-12
y0= : -3.3254987627072E-12
*****
i=30442
k(30442)=0.99985278204847
kQ(30442)=0.99970558577007
r1= : 3.6301263944155E-12
rpunto1: = 5143981.972691
rduepunti0 : = -1.5961450551255E+25
fil : = 488.10604574284
fipunto1 : = 9.4664418308755E+17
fi_gradi : = 27966.416375884
t1 : = 1.0809012986235E-14
tpunto1 : = 1.0007014537896
tduepunti0 : = -2.2061602764941E+15
v=v_elettrone : = 6188280.2497243
x0= : -1.4524947296592E-12
y0= : -3.3262133888992E-12
*****
i=30443
k(30443)=0.99985288915258
kQ(30443)=0.99970579994675
r1= : 3.6307296738997E-12
rpunto1: = 5142110.5932971
rduepunti0 : = -1.5956686937636E+25
fil : = 488.10615676403
fipunto1 : = 9.4632954334639E+17
fi_gradi : = 27966.42273693
t1 : = 1.0809013103596E-14
tpunto1 : = 1.0007011952342
tduepunti0 : = -2.2046236157064E+15
v=v_elettrone : = 6186406.0170001
x0= : -1.4523667698579E-12
y0= : -3.3269277727724E-12
*****
i=30444
k(30444)=0.99985299618577
kQ(30444)=0.99970601398166
r1= : 3.6313327339111E-12
rpunto1: = 5140239.7721236
rduepunti0 : = -1.5951927160434E+25
fil : = 488.10626774833
fipunto1 : = 9.4601517485498E+17
fi_gradi : = 27966.429095862
t1 : = 1.0809013220957E-14
tpunto1 : = 1.0007009368589
tduepunti0 : = -2.2030883616982E+15
v=v_elettrone : = 6184532.5222675
x0= : -1.452238704378E-12
y0= : -3.3276419143956E-12
```

```
*****
i=30445
k(30445)=0.9998531031481
kQ(30445)=0.99970622787489
r1= : 3.631935574515E-12
rpunto1: = 5138369.5087211
rduepunti0 : = -1.5947171215621E+25
fil : = 488.10637869575
fipunto1 : = 9.4570107730398E+17
fi_gradi : = 27966.435452681
t1 : = 1.0809013338318E-14
tpunto1 : = 1.0007006786635
tduepunti0 : = -2.201554512624E+15
v=v_elettrone : = 6182659.7646542
x0= : -1.4521105332813E-12
y0= : -3.3283558138378E-12
*****
i=30446
k(30446)=0.99985321003965
kQ(30446)=0.99970644162659
r1= : 3.6325381957768E-12
rpunto1: = 5136499.8026406
rduepunti0 : = -1.5942419099172E+25
fil : = 488.10648960634
fipunto1 : = 9.4538725038451E+17
fi_gradi : = 27966.441807389
t1 : = 1.0809013455678E-14
tpunto1 : = 1.0007004206477
tduepunti0 : = -2.2000220666415E+15
v=v_elettrone : = 6180787.7422958
x0= : -1.4519822566297E-12
y0= : -3.3290694711676E-12
*****
i=30447
k(30447)=0.99985331686046
kQ(30447)=0.99970665523686
r1= : 3.633140597762E-12
rpunto1: = 5134630.6534336
rduepunti0 : = -1.5937670807068E+25
fil : = 488.10660048012
fipunto1 : = 9.4507369378817E+17
fi_gradi : = 27966.448159989
t1 : = 1.0809013573039E-14
tpunto1 : = 1.0007001628116
tduepunti0 : = -2.1984910219114E+15
v=v_elettrone : = 6178916.4562774
x0= : -1.4518538744852E-12
y0= : -3.3297828864537E-12
*****
i=30448
k(30448)=0.9998534236106
kQ(30448)=0.99970686870584
r1= : 3.6337427805358E-12
rpunto1: = 5132762.060652
rduepunti0 : = -1.5932926335297E+25
fil : = 488.10671131713
fipunto1 : = 9.4476040720702E+17
fi_gradi : = 27966.454510482
t1 : = 1.08090136904E-14
tpunto1 : = 1.0006999051548
tduepunti0 : = -2.1969613765975E+15
v=v_elettrone : = 6177045.9057189
x0= : -1.4517253869096E-12
y0= : -3.3304960597648E-12
```



```
*****
i=30449
k(30449)=0.99985353029013
kQ(30449)=0.99970708203363
r1= : 3.6343447441634E-12
rpunto1 : = 5130894.0238483
rduepunti0 : = -1.592818567985E+25
fil : = 488.10682211739
fipunto1 : = 9.444473903336E+17
fi_gradi : = 27966.460858869
t1 : = 1.0809013807761E-14
tpunto1 : = 1.0006996476773
tduepunti0 : = -2.1954331288663E+15
v=v_elettrone : = 6175176.0887673
x0= : -1.4515967939644E-12
y0= : -3.3312089911694E-12
*****
i=30450
k(30450)=0.9998536368991
kQ(30450)=0.99970729522036
r1= : 3.6349464887101E-12
rpunto1 : = 5129026.5425754
rduepunti0 : = -1.5923448836727E+25
fil : = 488.10693288095
fipunto1 : = 9.4413464286091E+17
fi_gradi : = 27966.467205154
t1 : = 1.0809013925122E-14
tpunto1 : = 1.0006993903788
tduepunti0 : = -2.1939062768877E+15
v=v_elettrone : = 6173307.0074775
x0= : -1.4514680957116E-12
y0= : -3.3319216807361E-12
*****
i=30451
k(30451)=0.99985374343759
kQ(30451)=0.99970750826616
r1= : 3.6355480142411E-12
rpunto1 : = 5127159.6163867
rduepunti0 : = -1.5918715801932E+25
fil : = 488.10704360783
fipunto1 : = 9.4382216448241E+17
fi_gradi : = 27966.473549336
t1 : = 1.0809014042482E-14
tpunto1 : = 1.0006991332593
tduepunti0 : = -2.1923808188342E+15
v=v_elettrone : = 6171438.6590065
x0= : -1.4513392922125E-12
y0= : -3.3326341285335E-12
*****
i=30452
k(30452)=0.99985384990564
kQ(30452)=0.99970772117113
r1= : 3.6361493208214E-12
rpunto1 : = 5125293.2448359
rduepunti0 : = -1.5913986571473E+25
fil : = 488.10715429806
fipunto1 : = 9.4350995489204E+17
fi_gradi : = 27966.47989142
t1 : = 1.0809014159843E-14
tpunto1 : = 1.0006988763185
tduepunti0 : = -2.1908567528816E+15
v=v_elettrone : = 6169571.0434685
x0= : -1.4512103835289E-12
y0= : -3.3333463346299E-12
```

```
*****
i=30453
k(30453)=0.99985395630332
kQ(30453)=0.99970793393541
r1= : 3.6367504085161E-12
rpunto1: = 5123427.4274773
rduepunti0 : = -1.5909261141366E+25
fil : = 488.10726495167
fipunto1 : = 9.431980137842E+17
fi_gradi : = 27966.486231405
t1 : = 1.0809014277204E-14
tpunto1 : = 1.0006986195562
tduepunti0 : = -2.1893340772086E+15
v=v_elettrone : = 6167704.1609419
x0= : -1.4510813697223E-12
y0= : -3.3340582990936E-12
*****
i=30454
k(30454)=0.99985406263069
kQ(30454)=0.9997081465591
r1= : 3.6373512773902E-12
rpunto1: = 5121562.1638658
rduepunti0 : = -1.5904539507632E+25
fil : = 488.1073755687
fipunto1 : = 9.4288634085375E+17
fi_gradi : = 27966.492569294
t1 : = 1.0809014394564E-14
tpunto1 : = 1.0006983629724
tduepunti0 : = -2.1878127899967E+15
v=v_elettrone : = 6165838.009589
x0= : -1.4509522508542E-12
y0= : -3.334770021993E-12
*****
i=30455
k(30455)=0.99985416888781
kQ(30455)=0.99970835904233
r1= : 3.6379519275086E-12
rpunto1: = 5119697.4535566
rduepunti0 : = -1.5899821666298E+25
fil : = 488.10748614918
fipunto1 : = 9.4257493579601E+17
fi_gradi : = 27966.498905088
t1 : = 1.0809014511925E-14
tpunto1 : = 1.0006981065668
tduepunti0 : = -2.1862928894306E+15
v=v_elettrone : = 6163972.5904787
x0= : -1.450823026986E-12
y0= : -3.3354815033964E-12
*****
i=30456
k(30456)=0.99985427507474
kQ(30456)=0.99970857138523
r1= : 3.6385523589362E-12
rpunto1: = 5117833.2961053
rduepunti0 : = -1.5895107613395E+25
fil : = 488.10759669314
fipunto1 : = 9.4226379830679E+17
fi_gradi : = 27966.50523879
t1 : = 1.0809014629286E-14
tpunto1 : = 1.0006978503393
tduepunti0 : = -2.1847743736979E+15
v=v_elettrone : = 6162107.90273
x0= : -1.4506936981791E-12
y0= : -3.3361927433718E-12
```

```
*****
i=30457
k(30457)=0.99985438119153
kQ(30457)=0.9997087835879
r1= : 3.6391525717379E-12
rpunto1 : = 5115969.6910682
rduepunti0 : = -1.5890397344961E+25
fil : = 488.1077072006
fipunto1 : = 9.4195292808232E+17
fi_gradi : = 27966.511570402
t1 : = 1.0809014746646E-14
tpunto1 : = 1.0006975942898
tduepunti0 : = -2.1832572409891E+15
v=v_elettrone : = 6160243.9444803
x0= : -1.4505642644947E-12
y0= : -3.3369037419877E-12
*****
i=30458
k(30458)=0.99985448723825
kQ(30458)=0.99970899565047
r1= : 3.6397525659784E-12
rpunto1 : = 5114106.6380018
rduepunti0 : = -1.5885690857039E+25
fil : = 488.10781767161
fipunto1 : = 9.4164232481932E+17
fi_gradi : = 27966.517899924
t1 : = 1.0809014864007E-14
tpunto1 : = 1.000697338418
tduepunti0 : = -2.1817414894976E+15
v=v_elettrone : = 6158380.7177886
x0= : -1.4504347259941E-12
y0= : -3.3376144993119E-12
*****
i=30459
k(30459)=0.99985459321496
kQ(30459)=0.99970920757306
r1= : 3.6403523417224E-12
rpunto1 : = 5112244.1364633
rduepunti0 : = -1.5880988145678E+25
fil : = 488.10792810619
fipunto1 : = 9.4133198821496E+17
fi_gradi : = 27966.52422736
t1 : = 1.0809014981367E-14
tpunto1 : = 1.0006970827238
tduepunti0 : = -2.18022711742E+15
v=v_elettrone : = 6156518.2188336
x0= : -1.4503050827384E-12
y0= : -3.3383250154126E-12
*****
i=30460
k(30460)=0.99985469912172
kQ(30460)=0.99970941935578
r1= : 3.6409518990347E-12
rpunto1 : = 5110382.1860101
rduepunti0 : = -1.5876289206931E+25
fil : = 488.10803850438
fipunto1 : = 9.4102191796688E+17
fi_gradi : = 27966.5305271
t1 : = 1.0809015098727E-14
tpunto1 : = 1.0006968272071
tduepunti0 : = -2.1787141229555E+15
v=v_elettrone : = 6154656.4496826
x0= : -1.4501753347889E-12
y0= : -3.3390352903576E-12
```

```

*****
i=30461
k(30461)=0.99985480495858
kQ(30461)=0.99970963099876
r1= : 3.6415512379799E-12
rpunto1: = 5108520.7862004
rduepunti0 : = -1.587159403686E+25
fil : = 488.1081488662
fipunto1 : = 9.4071211377316E+17
fi_gradi : = 27966.536875977
t1 : = 1.0809015216088E-14
tpunto1 : = 1.0006965718676
tduepunti0 : = -2.1772025043065E+15
v=v_elettrone : = 6152795.409436
x0= : -1.4500454822067E-12
y0= : -3.3397453242151E-12
*****
i=30462
k(30462)=0.9998549107256
kQ(30462)=0.99970984250211
r1= : 3.6421503586226E-12
rpunto1: = 5106659.9365926
rduepunti0 : = -1.5866902631529E+25
fil : = 488.10825919169
fipunto1 : = 9.4040257533235E+17
fi_gradi : = 27966.543197161
t1 : = 1.0809015333448E-14
tpunto1 : = 1.0006963167052
tduepunti0 : = -2.1756922596782E+15
v=v_elettrone : = 6150935.0972287
x0= : -1.4499155250526E-12
y0= : -3.3404551170528E-12
*****
i=30463
k(30463)=0.99985501642286
kQ(30463)=0.99971005386595
r1= : 3.6427492610273E-12
rpunto1: = 5104799.6367455
rduepunti0 : = -1.5862214987009E+25
fil : = 488.10836948087
fipunto1 : = 9.4009330234346E+17
fi_gradi : = 27966.549516266
t1 : = 1.0809015450809E-14
tpunto1 : = 1.0006960617199
tduepunti0 : = -2.1741833872788E+15
v=v_elettrone : = 6149075.5111804
x0= : -1.4497854633877E-12
y0= : -3.3411646689387E-12
*****
i=30464
k(30464)=0.99985512205039
kQ(30464)=0.9997102650904
r1= : 3.6433479452584E-12
rpunto1: = 5102939.8862187
rduepunti0 : = -1.5857531099376E+25
fil : = 488.10847973379
fipunto1 : = 9.3978429450594E+17
fi_gradi : = 27966.555833293
t1 : = 1.0809015568169E-14
tpunto1 : = 1.0006958069113
tduepunti0 : = -2.1726758853193E+15
v=v_elettrone : = 6147216.6533683
x0= : -1.449655297273E-12
y0= : -3.3418739799404E-12

```

```
*****
i=30465
k(30465)=0.99985522760827
kQ(30465)=0.99971047617558
r1= : 3.6439464113804E-12
rpunto1 : = 5101080.684572
rduepunti0 : = -1.5852850964712E+25
fil : = 488.10858995046
fipunto1 : = 9.394755515197E+17
fi_gradi : = 27966.562148243
t1 : = 1.0809015685529E-14
tpunto1 : = 1.0006955522793
tduepunti0 : = -2.1711697520138E+15
v=v_elettrone : = 6145358.5209345
x0= : -1.4495250267693E-12
y0= : -3.3425830501258E-12
*****
i=30466
k(30466)=0.99985533309655
kQ(30466)=0.9997106871216
r1= : 3.6445446594576E-12
rpunto1 : = 5099222.0313657
rduepunti0 : = -1.5848174579104E+25
fil : = 488.10870013093
fipunto1 : = 9.3916707308512E+17
fi_gradi : = 27966.568461119
t1 : = 1.080901580289E-14
tpunto1 : = 1.0006952978238
tduepunti0 : = -2.1696649855791E+15
v=v_elettrone : = 6143501.1149567
x0= : -1.4493946519374E-12
y0= : -3.3432918795623E-12
*****
i=30467
k(30467)=0.99985543851529
kQ(30467)=0.99971089792859
r1= : 3.6451426895545E-12
rpunto1 : = 5097363.9261605
rduepunti0 : = -1.5843501938646E+25
fil : = 488.10881027521
fipunto1 : = 9.3885885890302E+17
fi_gradi : = 27966.574771922
t1 : = 1.080901592025E-14
tpunto1 : = 1.0006950435447
tduepunti0 : = -2.1681615842351E+15
v=v_elettrone : = 6141644.4345515
x0= : -1.4492641728381E-12
y0= : -3.3440004683177E-12
*****
i=30468
k(30468)=0.99985554386455
kQ(30468)=0.99971110859667
r1= : 3.6457405017352E-12
rpunto1 : = 5095506.3685177
rduepunti0 : = -1.5838833039435E+25
fil : = 488.10892038335
fipunto1 : = 9.3855090867467E+17
fi_gradi : = 27966.581080653
t1 : = 1.080901603761E-14
tpunto1 : = 1.0006947894417
tduepunti0 : = -2.1666595462043E+15
v=v_elettrone : = 6139788.4788448
x0= : -1.449133589532E-12
y0= : -3.3447088164596E-12
```

```
*****
i=30469
k(30469)=0.99985564914438
kQ(30469)=0.99971131912594
r1= : 3.646338096064E-12
rpunto1: = 5093649.3579991
rduepunti0 : = -1.5834167877576E+25
fil : = 488.10903045538
fipunto1 : = 9.382432221018E+17
fi_gradi : = 27966.587387316
t1 : = 1.080901615497E-14
tpunto1 : = 1.0006945355147
tduepunti0 : = -2.1651588697125E+15
v=v_elettrone : = 6137933.2479237
x0= : -1.4490029020799E-12
y0= : -3.3454169240554E-12
*****
i=30470
k(30470)=0.99985575435486
kQ(30470)=0.99971152951652
r1= : 3.6469354726049E-12
rpunto1: = 5091792.8941666
rduepunti0 : = -1.5829506449177E+25
fil : = 488.10914049132
fipunto1 : = 9.3793579888658E+17
fi_gradi : = 27966.593691911
t1 : = 1.080901627233E-14
tpunto1 : = 1.0006942817635
tduepunti0 : = -2.163659552988E+15
v=v_elettrone : = 6136078.7399184
x0= : -1.4488721105422E-12
y0= : -3.3461247911727E-12
*****
i=30471
k(30471)=0.99985585949603
kQ(30471)=0.99971173976854
r1= : 3.6475326314223E-12
rpunto1: = 5089936.976583
rduepunti0 : = -1.5824848750353E+25
fil : = 488.1092504912
fipunto1 : = 9.3762863873165E+17
fi_gradi : = 27966.59999444
t1 : = 1.080901638969E-14
tpunto1 : = 1.000694028188
tduepunti0 : = -2.1621615942622E+15
v=v_elettrone : = 6134224.9559089
x0= : -1.4487412149797E-12
y0= : -3.3468324178786E-12
*****
i=30472
k(30472)=0.99985596456795
kQ(30472)=0.99971194988211
r1= : 3.64812957258E-12
rpunto1: = 5088081.6048113
rduepunti0 : = -1.5820194777225E+25
fil : = 488.10936045506
fipunto1 : = 9.3732174134006E+17
fi_gradi : = 27966.606294905
t1 : = 1.080901650705E-14
tpunto1 : = 1.0006937747881
tduepunti0 : = -2.1606649917693E+15
v=v_elettrone : = 6132371.8950239
x0= : -1.4486102154527E-12
y0= : -3.3475398042408E-12
```

```

*****
i=30473
k(30473)=0.99985606957069
kQ(30473)=0.99971215985735
r1= : 3.6487262961422E-12
rpunto1: = 5086226.778415
rduepunti0 : = -1.5815544525917E+25
fil : = 488.10947038293
fipunto1 : = 9.3701510641536E+17
fi_gradi : = 27966.612593308
t1 : = 1.0809016624411E-14
tpunto1 : = 1.0006935215635
tduepunti0 : = -2.1591697437464E+15
v=v_elettrone : = 6130519.5563416
x0= : -1.4484791120216E-12
y0= : -3.3482469503264E-12
*****
i=30474
k(30474)=0.9998561745043
kQ(30474)=0.99971236969438
r1= : 3.6493228021728E-12
rpunto1: = 5084372.496958
rduepunti0 : = -1.5810897992561E+25
fil : = 488.10958027484
fipunto1 : = 9.3670873366151E+17
fi_gradi : = 27966.61888965
t1 : = 1.0809016741771E-14
tpunto1 : = 1.0006932685141
tduepunti0 : = -2.1576758484334E+15
v=v_elettrone : = 6128667.9390219
x0= : -1.4483479047469E-12
y0= : -3.3489538562027E-12
*****
i=30475
k(30475)=0.99985627936884
kQ(30475)=0.9997125793933
r1= : 3.6499190907356E-12
rpunto1: = 5082518.7600048
rduepunti0 : = -1.5806255173292E+25
fil : = 488.10969013082
fipunto1 : = 9.3640262278292E+17
fi_gradi : = 27966.625183934
t1 : = 1.0809016859131E-14
tpunto1 : = 1.0006930156397
tduepunti0 : = -2.1561833040732E+15
v=v_elettrone : = 6126817.0431183
x0= : -1.4482165936888E-12
y0= : -3.3496605219369E-12
*****
i=30476
k(30476)=0.99985638416437
kQ(30476)=0.99971278895425
r1= : 3.6505151618946E-12
rpunto1: = 5080665.5671203
rduepunti0 : = -1.5801616064253E+25
fil : = 488.10979995089
fipunto1 : = 9.3609677348447E+17
fi_gradi : = 27966.631476161
t1 : = 1.0809016976491E-14
tpunto1 : = 1.0006927629402
tduepunti0 : = -2.1546921089113E+15
v=v_elettrone : = 6124966.8687577
x0= : -1.4480851789078E-12
y0= : -3.350366947596E-12

```

```
*****
i=30477
k(30477)=0.99985648889095
kQ(30477)=0.99971299837733
r1= : 3.6511110157136E-12
rpunto1: = 5078812.9178697
rduepunti0 : = -1.5796980661591E+25
fil : = 488.1099097351
fipunto1 : = 9.3579118547145E+17
fi_gradi : = 27966.637766333
t1 : = 1.080901709385E-14
tpunto1 : = 1.0006925104155
tduepunti0 : = -2.1532022611962E+15
v=v_elettrone : = 6123117.4140528
x0= : -1.4479536604639E-12
y0= : -3.3510731332473E-12
*****
i=30478
k(30478)=0.99985659354862
kQ(30478)=0.99971320766266
r1= : 3.6517066522563E-12
rpunto1: = 5076960.8118188
rduepunti0 : = -1.5792348961459E+25
fil : = 488.11001948347
fipunto1 : = 9.3548585844963E+17
fi_gradi : = 27966.644054451
t1 : = 1.080901721121E-14
tpunto1 : = 1.0006922580653
tduepunti0 : = -2.1517137591793E+15
v=v_elettrone : = 6121268.6790994
x0= : -1.4478220384174E-12
y0= : -3.3517790789577E-12
*****
i=30479
k(30479)=0.99985669813747
kQ(30479)=0.99971341681036
r1= : 3.6523020715864E-12
rpunto1: = 5075109.248534
rduepunti0 : = -1.5787720960013E+25
fil : = 488.11012919602
fipunto1 : = 9.3518079212519E+17
fi_gradi : = 27966.650340518
t1 : = 1.080901732857E-14
tpunto1 : = 1.0006920058895
tduepunti0 : = -2.1502266011147E+15
v=v_elettrone : = 6119420.6639929
x0= : -1.4476903128283E-12
y0= : -3.3524847847941E-12
*****
i=30480
k(30480)=0.99985680265753
kQ(30480)=0.99971362582054
r1= : 3.6528972737676E-12
rpunto1: = 5073258.2275817
rduepunti0 : = -1.5783096653418E+25
fil : = 488.11023887281
fipunto1 : = 9.3487598620478E+17
fi_gradi : = 27966.656624534
t1 : = 1.080901744593E-14
tpunto1 : = 1.000691753888
tduepunti0 : = -2.1487407852594E+15
v=v_elettrone : = 6117573.3678496
x0= : -1.4475584837568E-12
y0= : -3.3531902508236E-12
```



```
*****
i=30481
k(30481)=0.99985690710887
kQ(30481)=0.99971383469332
r1= : 3.6534922588635E-12
rpunto1: = 5071407.7485292
rduepunti0 : = -1.5778476037841E+25
fil : = 488.11034851384
fipunto1 : = 9.3457144039547E+17
fi_gradi : = 27966.662906503
t1 : = 1.080901756329E-14
tpunto1 : = 1.0006915020606
tduepunti0 : = -2.1472563098732E+15
v=v_elettrone : = 6115726.7897858
x0= : -1.4474265512627E-12
y0= : -3.3538954771129E-12
*****
i=30482
k(30482)=0.99985701149155
kQ(30482)=0.99971404342881
r1= : 3.6540870269376E-12
rpunto1: = 5069557.8109441
rduepunti0 : = -1.5773859109457E+25
fil : = 488.11045811916
fipunto1 : = 9.3426715440479E+17
fi_gradi : = 27966.669186425
t1 : = 1.080901768065E-14
tpunto1 : = 1.0006912504071
tduepunti0 : = -2.1457731732187E+15
v=v_elettrone : = 6113880.9288979
x0= : -1.447294515406E-12
y0= : -3.354600463729E-12
*****
i=30483
k(30483)=0.99985711580562
kQ(30483)=0.99971425202714
r1= : 3.6546815780534E-12
rpunto1: = 5067708.4143943
rduepunti0 : = -1.5769245864446E+25
fil : = 488.11056768879
fipunto1 : = 9.339631279407E+17
fi_gradi : = 27966.675464302
t1 : = 1.080901779801E-14
tpunto1 : = 1.0006909989274
tduepunti0 : = -2.1442913735614E+15
v=v_elettrone : = 6112035.7862642
x0= : -1.4471623762468E-12
y0= : -3.3553052107385E-12
*****
i=30484
k(30484)=0.99985722005115
kQ(30484)=0.99971446048841
r1= : 3.6552759122744E-12
rpunto1: = 5065859.5584483
rduepunti0 : = -1.5764636298991E+25
fil : = 488.11067722276
fipunto1 : = 9.336593607116E+17
fi_gradi : = 27966.681740137
t1 : = 1.0809017915369E-14
tpunto1 : = 1.0006907476214
tduepunti0 : = -2.1428109091695E+15
v=v_elettrone : = 6110191.3600315
x0= : -1.4470301338448E-12
y0= : -3.3560097182082E-12
```

```
*****
i=30485
k(30485)=0.99985732422818
kQ(30485)=0.99971466881274
r1= : 3.655870029664E-12
rpunto1: = 5064011.242675
rduepunti0 : = -1.5760030409282E+25
fil : = 488.11078672111
fipunto1 : = 9.3335585242632E+17
fi_gradi : = 27966.68801393
t1 : = 1.0809018032729E-14
tpunto1 : = 1.0006904964888
tduepunti0 : = -2.141331778314E+15
v=v_elettrone : = 6108347.6502677
x0= : -1.4468977882598E-12
y0= : -3.3567139862047E-12
*****
i=30486
k(30486)=0.99985742833678
kQ(30486)=0.99971487700025
r1= : 3.6564639302856E-12
rpunto1: = 5062163.4666438
rduepunti0 : = -1.5755428191515E+25
fil : = 488.11089618387
fipunto1 : = 9.3305260279414E+17
fi_gradi : = 27966.694285684
t1 : = 1.0809018150089E-14
tpunto1 : = 1.0006902455295
tduepunti0 : = -2.1398539792687E+15
v=v_elettrone : = 6106504.6560987
x0= : -1.4467653395515E-12
y0= : -3.3574180147947E-12
*****
i=30487
k(30487)=0.99985753237701
kQ(30487)=0.99971508505105
r1= : 3.6570576142024E-12
rpunto1: = 5060316.2299245
rduepunti0 : = -1.5750829641891E+25
fil : = 488.11100561106
fipunto1 : = 9.3274961152478E+17
fi_gradi : = 27966.7005554
t1 : = 1.0809018267448E-14
tpunto1 : = 1.0006899947434
tduepunti0 : = -2.1383775103103E+15
v=v_elettrone : = 6104662.3776106
x0= : -1.4466327877797E-12
y0= : -3.3581218040447E-12
*****
i=30488
k(30488)=0.99985763634892
kQ(30488)=0.99971529296525
r1= : 3.6576510814777E-12
rpunto1: = 5058469.5320874
rduepunti0 : = -1.5746234756614E+25
fil : = 488.11111500271
fipunto1 : = 9.3244687832838E+17
fi_gradi : = 27966.70682308
t1 : = 1.0809018384808E-14
tpunto1 : = 1.0006897441303
tduepunti0 : = -2.1369023697182E+15
v=v_elettrone : = 6102820.8139191
x0= : -1.446500133004E-12
y0= : -3.3588253540211E-12
```

```
*****
i=30489
k(30489)=0.99985774025257
kQ(30489)=0.99971550074298
r1= : 3.6582443321747E-12
rpunto1: = 5056623.3727031
rduepunti0 : = -1.5741643531896E+25
fil : = 488.11122435887
fipunto1 : = 9.3214440291553E+17
fi_gradi : = 27966.713088726
t1 : = 1.0809018502167E-14
tpunto1 : = 1.00068949369
tduepunti0 : = -2.1354285557745E+15
v=v_elettrone : = 6100979.9641241
x0= : -1.4463673752838E-12
y0= : -3.3595286647906E-12
*****
i=30490
k(30490)=0.99985784408802
kQ(30490)=0.99971570838434
r1= : 3.6588373663565E-12
rpunto1: = 5054777.7513427
rduepunti0 : = -1.5737055963954E+25
fil : = 488.11133367954
fipunto1 : = 9.3184218499725E+17
fi_gradi : = 27966.71935234
t1 : = 1.0809018619527E-14
tpunto1 : = 1.0006892434224
tduepunti0 : = -2.1339560667642E+15
v=v_elettrone : = 6099139.8283258
x0= : -1.4462345146789E-12
y0= : -3.3602317364193E-12
*****
i=30491
k(30491)=0.99985794785532
kQ(30491)=0.99971591588945
r1= : 3.6594301840862E-12
rpunto1: = 5052932.6675779
rduepunti0 : = -1.5732472049008E+25
fil : = 488.11144296478
fipunto1 : = 9.3154022428498E+17
fi_gradi : = 27966.725613922
t1 : = 1.0809018736887E-14
tpunto1 : = 1.0006889933274
tduepunti0 : = -2.132484900975E+15
v=v_elettrone : = 6097300.406615
x0= : -1.4461015512488E-12
y0= : -3.3609345689737E-12
*****
i=30492
k(30492)=0.99985805155453
kQ(30492)=0.99971612325843
r1= : 3.660022785427E-12
rpunto1: = 5051088.1209807
rduepunti0 : = -1.5727891783286E+25
fil : = 488.1115522146
fipunto1 : = 9.3123852049062E+17
fi_gradi : = 27966.731873476
t1 : = 1.0809018854246E-14
tpunto1 : = 1.0006887434047
tduepunti0 : = -2.1310150566973E+15
v=v_elettrone : = 6095461.6971121
x0= : -1.4459684850526E-12
y0= : -3.3616371625201E-12
```

```
*****
i=30493
k(30493)=0.99985815518571
kQ(30493)=0.99971633049138
r1= : 3.6606151704417E-12
rpunto1 : = 5049244.1111236
rduepunti0 : = -1.5723315163021E+25
fil : = 488.11166142903
fipunto1 : = 9.3093707332648E+17
fi_gradi : = 27966.738131002
t1 : = 1.0809018971606E-14
tpunto1 : = 1.0006884936543
tduepunti0 : = -2.1295465322245E+15
v=v_elettrone : = 6093623.6999077
x0= : -1.4458353161498E-12
y0= : -3.3623395171247E-12
*****
i=30494
k(30494)=0.99985825874892
kQ(30494)=0.99971653758843
r1= : 3.6612073391934E-12
rpunto1 : = 5047400.6375794
rduepunti0 : = -1.5718742184448E+25
fil : = 488.11177060812
fipunto1 : = 9.3063588250531E+17
fi_gradi : = 27966.744386503
t1 : = 1.0809019088965E-14
tpunto1 : = 1.0006882440759
tduepunti0 : = -2.1280793258525E+15
v=v_elettrone : = 6091786.4151088
x0= : -1.4457020445999E-12
y0= : -3.3630416328538E-12
*****
i=30495
k(30495)=0.99985836224421
kQ(30495)=0.99971674454968
r1= : 3.6617992917449E-12
rpunto1 : = 5045557.6999215
rduepunti0 : = -1.5714172843811E+25
fil : = 488.11187975188
fipunto1 : = 9.3033494774028E+17
fi_gradi : = 27966.75063998
t1 : = 1.0809019206324E-14
tpunto1 : = 1.0006879946695
tduepunti0 : = -2.1266134358799E+15
v=v_elettrone : = 6089949.8408069
x0= : -1.445568670462E-12
y0= : -3.3637435097734E-12
*****
i=30496
k(30496)=0.99985846567164
kQ(30496)=0.99971695137526
r1= : 3.6623910281591E-12
rpunto1 : = 5043715.2977236
rduepunti0 : = -1.5709607137357E+25
fil : = 488.11198886034
fipunto1 : = 9.3003426874501E+17
fi_gradi : = 27966.756891434
t1 : = 1.0809019323684E-14
tpunto1 : = 1.0006877454348
tduepunti0 : = -2.1251488606084E+15
v=v_elettrone : = 6088113.9781118
x0= : -1.4454351937954E-12
y0= : -3.3644451479495E-12
```

```
*****
i=30497
k(30497)=0.99985856903127
kQ(30497)=0.99971715806526
r1= : 3.6629825484987E-12
rpunto1: = 5041873.4305601
rduepunti0 : = -1.570504506134E+25
fil : = 488.11209793355
fipunto1 : = 9.2973384523354E+17
fi_gradi : = 27966.763140869
t1 : = 1.0809019441043E-14
tpunto1 : = 1.0006874963717
tduepunti0 : = -2.123685598342E+15
v=v_elettrone : = 6086278.8261191
x0= : -1.4453016146592E-12
y0= : -3.3651465474483E-12
*****
i=30498
k(30498)=0.99985867232315
kQ(30498)=0.99971736461982
r1= : 3.6635738528266E-12
rpunto1: = 5040032.0980056
rduepunti0 : = -1.5700486612018E+25
fil : = 488.11220697152
fipunto1 : = 9.2943367692032E+17
fi_gradi : = 27966.769388284
t1 : = 1.0809019558402E-14
tpunto1 : = 1.0006872474801
tduepunti0 : = -2.1222236473877E+15
v=v_elettrone : = 6084444.3829292
x0= : -1.4451679331124E-12
y0= : -3.3658477083359E-12
*****
i=30499
k(30499)=0.99985877554734
kQ(30499)=0.99971757103903
r1= : 3.6641649412054E-12
rpunto1: = 5038191.2996352
rduepunti0 : = -1.5695931785654E+25
fil : = 488.11231597429
fipunto1 : = 9.2913376352026E+17
fi_gradi : = 27966.775633683
t1 : = 1.0809019675762E-14
tpunto1 : = 1.0006869987598
tduepunti0 : = -2.1207630060551E+15
v=v_elettrone : = 6082610.649648
x0= : -1.4450341492144E-12
y0= : -3.3665486306779E-12
*****
i=30500
k(30500)=0.9998588787039
kQ(30500)=0.99971777732302
r1= : 3.6647558136978E-12
rpunto1: = 5036351.0350243
rduepunti0 : = -1.5691380578516E+25
fil : = 488.11242494188
fipunto1 : = 9.2883410474866E+17
fi_gradi : = 27966.781877066
t1 : = 1.0809019793121E-14
tpunto1 : = 1.0006867502106
tduepunti0 : = -2.1193036726567E+15
v=v_elettrone : = 6080777.6253596
x0= : -1.4449002630239E-12
y0= : -3.3672493145403E-12
```

```
*****
i=30501
k(30501)=0.99985898179288
kQ(30501)=0.9997179834719
r1= : 3.6653464703663E-12
rpunto1: = 5034511.3037491
rduepunti0 : = -1.5686832986878E+25
fil : = 488.11253387433
fipunto1 : = 9.2853470032128E+17
fi_gradi : = 27966.788118436
t1 : = 1.080901991048E-14
tpunto1 : = 1.0006865018324
tduepunti0 : = -2.1178456455075E+15
v=v_elettrone : = 6078945.3101759
x0= : -1.4447662746001E-12
y0= : -3.367949759989E-12
*****
i=30502
k(30502)=0.99985908481434
kQ(30502)=0.99971818948577
r1= : 3.6659369112736E-12
rpunto1: = 5032672.1053859
rduepunti0 : = -1.568228900702E+25
fil : = 488.11264277167
fipunto1 : = 9.2823554995429E+17
fi_gradi : = 27966.794357793
t1 : = 1.0809020027839E-14
tpunto1 : = 1.0006862536251
tduepunti0 : = -2.1163889229253E+15
v=v_elettrone : = 6077113.7021916
x0= : -1.4446321840016E-12
y0= : -3.3686499670897E-12
*****
i=30503
k(30503)=0.99985918776834
kQ(30503)=0.99971839536476
r1= : 3.6665271364821E-12
rpunto1: = 5030833.4395116
rduepunti0 : = -1.5677748635225E+25
fil : = 488.11275163392
fipunto1 : = 9.2793665336427E+17
fi_gradi : = 27966.800595141
t1 : = 1.0809020145199E-14
tpunto1 : = 1.0006860055885
tduepunti0 : = -2.1149335032306E+15
v=v_elettrone : = 6075282.801509
x0= : -1.4444979912874E-12
y0= : -3.3693499359082E-12
*****
i=30504
k(30504)=0.99985929065493
kQ(30504)=0.99971860110898
r1= : 3.6671171460542E-12
rpunto1: = 5028995.3057034
rduepunti0 : = -1.5673211867782E+25
fil : = 488.11286046112
fipunto1 : = 9.2763801026825E+17
fi_gradi : = 27966.80683048
t1 : = 1.0809020262558E-14
tpunto1 : = 1.0006857577224
tduepunti0 : = -2.1134793847466E+15
v=v_elettrone : = 6073452.6082271
x0= : -1.4443636965164E-12
y0= : -3.3700496665101E-12
```

```
*****
i=30505
k(30505)=0.99985939347417
kQ(30505)=0.99971880671853
r1= : 3.6677069400525E-12
rpunto1: = 5027157.7035392
rduepunti0 : = -1.5668678700986E+25
fil : = 488.11296925329
fipunto1 : = 9.2733962038367E+17
fi_gradi : = 27966.813063813
t1 : = 1.0809020379917E-14
tpunto1 : = 1.0006855100267
tduepunti0 : = -2.1120265657991E+15
v=v_elettrone : = 6071623.1214369
x0= : -1.4442292997472E-12
y0= : -3.370749158961E-12
*****
i=30506
k(30506)=0.99985949622611
kQ(30506)=0.99971901219353
r1= : 3.6682965185391E-12
rpunto1: = 5025320.6325969
rduepunti0 : = -1.5664149131136E+25
fil : = 488.11307801047
fipunto1 : = 9.2704148342838E+17
fi_gradi : = 27966.81929514
t1 : = 1.0809020497276E-14
tpunto1 : = 1.0006852625012
tduepunti0 : = -2.1105750447167E+15
v=v_elettrone : = 6069794.3412353
x0= : -1.4440948010386E-12
y0= : -3.3714484133266E-12
*****
i=30507
k(30507)=0.99985959891082
kQ(30507)=0.9997192175341
r1= : 3.6688858815765E-12
rpunto1: = 5023484.0924553
rduepunti0 : = -1.5659623154537E+25
fil : = 488.11318673268
fipunto1 : = 9.2674359912068E+17
fi_gradi : = 27966.825524464
t1 : = 1.0809020614635E-14
tpunto1 : = 1.0006850151458
tduepunti0 : = -2.1091248198307E+15
v=v_elettrone : = 6067966.265735
x0= : -1.443960200449E-12
y0= : -3.3721474296723E-12
*****
i=30508
k(30508)=0.99985970152834
kQ(30508)=0.99971942274034
r1= : 3.6694750292268E-12
rpunto1: = 5021648.0826933
rduepunti0 : = -1.5655100767498E+25
fil : = 488.11329541996
fipunto1 : = 9.2644596717926E+17
fi_gradi : = 27966.831751786
t1 : = 1.0809020731994E-14
tpunto1 : = 1.0006847679603
tduepunti0 : = -2.107675889475E+15
v=v_elettrone : = 6066138.8960117
x0= : -1.4438254980373E-12
y0= : -3.3728462080635E-12
```

```
*****
i=30509
k(30509)=0.99985980407873
kQ(30509)=0.99971962781237
r1= : 3.6700639615523E-12
rpunto1 : = 5019812.6028904
rduepunti0 : = -1.5650581966335E+25
fil : = 488.11340407233
fipunto1 : = 9.2614858732326E+17
fi_gradi : = 27966.837977109
t1 : = 1.0809020849353E-14
tpunto1 : = 1.0006845209446
tduepunti0 : = -2.1062282519862E+15
v=v_elettrone : = 6064312.2301831
x0= : -1.4436906938618E-12
y0= : -3.3735447485658E-12
*****
i=30510
k(30510)=0.99985990656206
kQ(30510)=0.99971983275029
r1= : 3.6706526786151E-12
rpunto1 : = 5017977.6526265
rduepunti0 : = -1.5646066747367E+25
fil : = 488.11351268983
fipunto1 : = 9.258514592722E+17
fi_gradi : = 27966.844200433
t1 : = 1.0809020966712E-14
tpunto1 : = 1.0006842740985
tduepunti0 : = -2.1047819057036E+15
v=v_elettrone : = 6062486.2683301
x0= : -1.4435557879811E-12
y0= : -3.3742430512444E-12
*****
i=30511
k(30511)=0.99986000897837
kQ(30511)=0.99972003755423
r1= : 3.6712411804774E-12
rpunto1 : = 5016143.2314819
rduepunti0 : = -1.5641555106918E+25
fil : = 488.11362127248
fipunto1 : = 9.2555458274605E+17
fi_gradi : = 27966.85042176
t1 : = 1.0809021084071E-14
tpunto1 : = 1.0006840274219
tduepunti0 : = -2.103336848969E+15
v=v_elettrone : = 6060661.0105631
x0= : -1.4434207804537E-12
y0= : -3.3749411161647E-12
*****
i=30512
k(30512)=0.99986011132772
kQ(30512)=0.99972024222428
r1= : 3.6718294672012E-12
rpunto1 : = 5014309.3390373
rduepunti0 : = -1.563704704132E+25
fil : = 488.11372982031
fipunto1 : = 9.2525795746518E+17
fi_gradi : = 27966.856641093
t1 : = 1.080902120143E-14
tpunto1 : = 1.0006837809147
tduepunti0 : = -2.1018930801271E+15
v=v_elettrone : = 6058836.4559704
x0= : -1.443285671338E-12
y0= : -3.3756389433919E-12
```



```
*****
i=30513
k(30513)=0.99986021361017
kQ(30513)=0.99972044676057
r1= : 3.6724175388484E-12
rpunto1: = 5012475.9748739
rduepunti0 : = -1.5632542546907E+25
fil : = 488.11383833336
fipunto1 : = 9.249615831504E+17
fi_gradi : = 27966.862858432
t1 : = 1.0809021318789E-14
tpunto1 : = 1.0006835345766
tduepunti0 : = -2.100450597525E+15
v=v_elettrone : = 6057012.6036488
x0= : -1.4431504606921E-12
y0= : -3.3763365329912E-12
*****
i=30514
k(30514)=0.99986031582577
kQ(30514)=0.99972065116321
r1= : 3.6730053954811E-12
rpunto1: = 5010643.1385734
rduepunti0 : = -1.562804162002E+25
fil : = 488.11394681164
fipunto1 : = 9.2466545952291E+17
fi_gradi : = 27966.86907378
t1 : = 1.0809021436148E-14
tpunto1 : = 1.0006832884075
tduepunti0 : = -2.0990093995127E+15
v=v_elettrone : = 6055189.4536899
x0= : -1.4430151485745E-12
y0= : -3.3770338850278E-12
*****
i=30515
k(30515)=0.99986041797458
kQ(30515)=0.9997208554323
r1= : 3.6735930371611E-12
rpunto1: = 5008810.8297177
rduepunti0 : = -1.5623544257003E+25
fil : = 488.1140552552
fipunto1 : = 9.2436958630432E+17
fi_gradi : = 27966.875287138
t1 : = 1.0809021553506E-14
tpunto1 : = 1.0006830424073
tduepunti0 : = -2.0975694844427E+15
v=v_elettrone : = 6053367.0052023
x0= : -1.4428797350434E-12
y0= : -3.3777309995668E-12
*****
i=30516
k(30516)=0.99986052005665
kQ(30516)=0.99972105956796
r1= : 3.6741804639504E-12
rpunto1: = 5006979.0478894
rduepunti0 : = -1.5619050454208E+25
fil : = 488.11416366406
fipunto1 : = 9.240739632167E+17
fi_gradi : = 27966.881498508
t1 : = 1.0809021670865E-14
tpunto1 : = 1.0006827965758
tduepunti0 : = -2.09613085067E+15
v=v_elettrone : = 6051545.2572674
x0= : -1.4427442201569E-12
y0= : -3.3784278766732E-12
```

```
*****
i=30517
k(30517)=0.99986062207204
kQ(30517)=0.99972126357029
r1= : 3.6747676759107E-12
rpunto1: = 5005147.7926712
rduepunti0 : = -1.5614560207988E+25
fil : = 488.11427203824
fipunto1 : = 9.2377858998247E+17
fi_gradi : = 27966.887707892
t1 : = 1.0809021788224E-14
tpunto1 : = 1.0006825509129
tduepunti0 : = -2.0946934965525E+15
v=v_elettrone : = 6049724.21099
x0= : -1.4426086039734E-12
y0= : -3.379124516412E-12
*****
i=30518
k(30518)=0.99986072402081
kQ(30518)=0.99972146743942
r1= : 3.6753546731037E-12
rpunto1: = 5003317.0636466
rduepunti0 : = -1.5610073514706E+25
fil : = 488.11438037779
fipunto1 : = 9.2348346632452E+17
fi_gradi : = 27966.893915291
t1 : = 1.0809021905583E-14
tpunto1 : = 1.0006823054184
tduepunti0 : = -2.0932574204506E+15
v=v_elettrone : = 6047903.865457
x0= : -1.4424728865508E-12
y0= : -3.3798209188482E-12
*****
i=30519
k(30519)=0.99986082590301
kQ(30519)=0.99972167117544
r1= : 3.6759414555913E-12
rpunto1: = 5001486.8603993
rduepunti0 : = -1.5605590370725E+25
fil : = 488.11448868272
fipunto1 : = 9.2318859196611E+17
fi_gradi : = 27966.900120706
t1 : = 1.0809022022941E-14
tpunto1 : = 1.0006820600922
tduepunti0 : = -2.0918226207273E+15
v=v_elettrone : = 6046084.2187671
x0= : -1.4423370679469E-12
y0= : -3.3805170840467E-12
*****
i=30520
k(30520)=0.99986092771869
kQ(30520)=0.99972187477847
r1= : 3.676528023435E-12
rpunto1: = 4999657.1825134
rduepunti0 : = -1.5601110772416E+25
fil : = 488.11459695308
fipunto1 : = 9.2289396663093E+17
fi_gradi : = 27966.90632414
t1 : = 1.08090221403E-14
tpunto1 : = 1.0006818149341
tduepunti0 : = -2.0903890957482E+15
v=v_elettrone : = 6044265.2710138
x0= : -1.4422011482199E-12
y0= : -3.3812130120724E-12
```

```
*****
i=30521
k(30521)=0.99986102946791
kQ(30521)=0.99972207824862
r1= : 3.6771143766965E-12
rpunto1 : = 4997828.0295735
rduepunti0 : = -1.5596634716156E+25
fil : = 488.11470518887
fipunto1 : = 9.2259959004309E+17
fi_gradi : = 27966.912525595
t1 : = 1.0809022257659E-14
tpunto1 : = 1.0006815699439
tduepunti0 : = -2.0889568438816E+15
v=v_elettrone : = 6042447.023297
x0= : -1.4420651274279E-12
y0= : -3.3819087029899E-12
*****
i=30522
k(30522)=0.99986113115073
kQ(30522)=0.99972228158601
r1= : 3.6777005154373E-12
rpunto1 : = 4995999.4011646
rduepunti0 : = -1.5592162198323E+25
fil : = 488.11481339015
fipunto1 : = 9.2230546192708E+17
fi_gradi : = 27966.918725071
t1 : = 1.0809022375017E-14
tpunto1 : = 1.0006813251216
tduepunti0 : = -2.0875258634983E+15
v=v_elettrone : = 6040629.4727021
x0= : -1.4419290056285E-12
y0= : -3.3826041568642E-12
*****
i=30523
k(30523)=0.99986123276719
kQ(30523)=0.99972248479073
r1= : 3.6782864397189E-12
rpunto1 : = 4994171.2968723
rduepunti0 : = -1.5587693215305E+25
fil : = 488.11492155693
fipunto1 : = 9.2201158200784E+17
fi_gradi : = 27966.924922571
t1 : = 1.0809022492376E-14
tpunto1 : = 1.000681080467
tduepunti0 : = -2.0860961529717E+15
v=v_elettrone : = 6038812.6213275
x0= : -1.4417927828797E-12
y0= : -3.3832993737598E-12
*****
i=30524
k(30524)=0.99986133431737
kQ(30524)=0.9997226878629
r1= : 3.6788721496029E-12
rpunto1 : = 4992343.7162823
rduepunti0 : = -1.5583227763489E+25
fil : = 488.11502968924
fipunto1 : = 9.2171795001067E+17
fi_gradi : = 27966.931118096
t1 : = 1.0809022609735E-14
tpunto1 : = 1.0006808359799
tduepunti0 : = -2.084667710678E+15
v=v_elettrone : = 6036996.4662624
x0= : -1.441656459239E-12
y0= : -3.3839943537415E-12
```

```
*****
i=30525
k(30525)=0.9998614358013
kQ(30525)=0.99972289080264
r1= : 3.6794576451506E-12
rpunto1: = 4990516.658981
rduepunti0 : = -1.5578765839273E+25
fil : = 488.11513778712
fipunto1 : = 9.2142456566132E+17
fi_gradi : = 27966.937311649
t1 : = 1.0809022727093E-14
tpunto1 : = 1.0006805916602
tduepunti0 : = -2.0832405349957E+15
v=v_elettrone : = 6035181.0086036
x0= : -1.4415200347645E-12
y0= : -3.3846890968738E-12
*****
i=30526
k(30526)=0.99986153721905
kQ(30526)=0.99972309361004
r1= : 3.6800429264234E-12
rpunto1: = 4988690.124555
rduepunti0 : = -1.5574307439057E+25
fil : = 488.11524585059
fipunto1 : = 9.2113142868593E+17
fi_gradi : = 27966.943503229
t1 : = 1.0809022844452E-14
tpunto1 : = 1.0006803475077
tduepunti0 : = -2.081814624306E+15
v=v_elettrone : = 6033366.2464433
x0= : -1.4413835095136E-12
y0= : -3.3853836032213E-12
*****
i=30527
k(30527)=0.99986163857067
kQ(30527)=0.99972329628523
r1= : 3.6806279934827E-12
rpunto1: = 4986864.1125914
rduepunti0 : = -1.5569852559245E+25
fil : = 488.11535387968
fipunto1 : = 9.2083853881104E+17
fi_gradi : = 27966.94969284
t1 : = 1.080902296181E-14
tpunto1 : = 1.0006801035222
tduepunti0 : = -2.0803899769927E+15
v=v_elettrone : = 6031552.1818744
x0= : -1.4412468835441E-12
y0= : -3.3860778728484E-12
*****
i=30528
k(30528)=0.99986173985621
kQ(30528)=0.9997234988283
r1= : 3.6812128463896E-12
rpunto1: = 4985038.622678
rduepunti0 : = -1.5565401196247E+25
fil : = 488.11546187442
fipunto1 : = 9.205458957636E+17
fi_gradi : = 27966.955880483
t1 : = 1.0809023079169E-14
tpunto1 : = 1.0006798597038
tduepunti0 : = -2.0789665914422E+15
v=v_elettrone : = 6029738.8109944
x0= : -1.4411101569134E-12
y0= : -3.3867719058196E-12
```

```
*****
i=30529
k(30529)=0.99986184107574
kQ(30529)=0.99972370123937
r1= : 3.6817974852055E-12
rpunto1 : = 4983213.6544025
rduepunti0 : = -1.556095334648E+25
fil : = 488.11556983484
fipunto1 : = 9.2025349927096E+17
fi_gradi : = 27966.962066159
t1 : = 1.0809023196527E-14
tpunto1 : = 1.0006796160521
tduepunti0 : = -2.0775444660434E+15
v=v_elettrone : = 6027926.1368803
x0= : -1.4409733296794E-12
y0= : -3.3874657021993E-12
*****
i=30530
k(30530)=0.9998619422293
kQ(30530)=0.99972390351854
r1= : 3.6823819099915E-12
rpunto1 : = 4981389.2073534
rduepunti0 : = -1.5556509006363E+25
fil : = 488.11567776097
fipunto1 : = 9.199613490609E+17
fi_gradi : = 27966.968249871
t1 : = 1.0809023313885E-14
tpunto1 : = 1.000679372567
tduepunti0 : = -2.0761235991879E+15
v=v_elettrone : = 6026114.1566472
x0= : -1.440836401899E-12
y0= : -3.3881592620519E-12
*****
i=30531
k(30531)=0.99986204331695
kQ(30531)=0.99972410566594
r1= : 3.6829661208087E-12
rpunto1 : = 4979565.2811196
rduepunti0 : = -1.555206817232E+25
fil : = 488.11578565283
fipunto1 : = 9.1966944486156E+17
fi_gradi : = 27966.97443162
t1 : = 1.0809023431244E-14
tpunto1 : = 1.0006791292484
tduepunti0 : = -2.0747039892696E+15
v=v_elettrone : = 6024302.8703595
x0= : -1.44069937363E-12
y0= : -3.3888525854416E-12
*****
i=30532
k(30532)=0.99986214433874
kQ(30532)=0.99972430768166
r1= : 3.6835501177182E-12
rpunto1 : = 4977741.8752902
rduepunti0 : = -1.5547630840782E+25
fil : = 488.11589351046
fipunto1 : = 9.1937778640152E+17
fi_gradi : = 27966.980611407
t1 : = 1.0809023548602E-14
tpunto1 : = 1.0006788860962
tduepunti0 : = -2.0732856346852E+15
v=v_elettrone : = 6022492.2771272
x0= : -1.4405622449297E-12
y0= : -3.3895456724328E-12
```

```
*****
i=30533
k(30533)=0.99986224529473
kQ(30533)=0.99972450956581
r1= : 3.6841339007811E-12
rpunto1: = 4975918.9894548
rduepunti0 : = -1.5543197008183E+25
fil : = 488.11600133389
fipunto1 : = 9.1908637340975E+17
fi_gradi : = 27966.986789234
t1 : = 1.080902366596E-14
tpunto1 : = 1.0006786431102
tduepunti0 : = -2.0718685338339E+15
v=v_elettrone : = 6020682.3780408
x0= : -1.4404250158555E-12
y0= : -3.3902385230894E-12
*****
i=30534
k(30534)=0.99986234618497
kQ(30534)=0.99972471131851
r1= : 3.6847174700583E-12
rpunto1: = 4974096.6232037
rduepunti0 : = -1.5538766670963E+25
fil : = 488.11610912314
fipunto1 : = 9.187952056156E+17
fi_gradi : = 27966.992965103
t1 : = 1.0809023783319E-14
tpunto1 : = 1.0006784002902
tduepunti0 : = -2.0704526851173E+15
v=v_elettrone : = 6018873.1711831
x0= : -1.4402876864646E-12
y0= : -3.3909311374758E-12
*****
i=30535
k(30535)=0.99986244700951
kQ(30535)=0.99972491293985
r1= : 3.6853008256108E-12
rpunto1: = 4972274.7761272
rduepunti0 : = -1.5534339825567E+25
fil : = 488.11621687824
fipunto1 : = 9.1850428274884E+17
fi_gradi : = 27966.999139015
t1 : = 1.0809023900677E-14
tpunto1 : = 1.0006781576361
tduepunti0 : = -2.0690380869397E+15
v=v_elettrone : = 6017064.6566442
x0= : -1.4401502568141E-12
y0= : -3.391623515656E-12
*****
i=30536
k(30536)=0.99986254776842
kQ(30536)=0.99972511442996
r1= : 3.6858839674994E-12
rpunto1: = 4970453.4478162
rduepunti0 : = -1.5529916468444E+25
fil : = 488.11632459922
fipunto1 : = 9.1821360453965E+17
fi_gradi : = 27967.005310973
t1 : = 1.0809024018035E-14
tpunto1 : = 1.0006779151478
tduepunti0 : = -2.0676247377079E+15
v=v_elettrone : = 6015256.8335292
x0= : -1.4400127269614E-12
y0= : -3.3923156576941E-12
```

```
*****
i=30537
k(30537)=0.99986264846175
kQ(30537)=0.99972531578894
r1= : 3.686466895785E-12
rpunto1 : = 4968632.6378621
rduepunti0 : = -1.5525496596048E+25
fil : = 488.11643228611
fipunto1 : = 9.1792317071859E+17
fi_gradi : = 27967.011480977
t1 : = 1.0809024135393E-14
tpunto1 : = 1.000677672825
tduepunti0 : = -2.0662126358312E+15
v=v_elettrone : = 6013449.7019123
x0= : -1.4398750969636E-12
y0= : -3.393007563654E-12
*****
i=30538
k(30538)=0.99986274908954
kQ(30538)=0.99972551701689
r1= : 3.6870496105284E-12
rpunto1 : = 4966812.3458566
rduepunti0 : = -1.5521080204839E+25
fil : = 488.11653993894
fipunto1 : = 9.1763298101662E+17
fi_gradi : = 27967.01764903
t1 : = 1.0809024252752E-14
tpunto1 : = 1.0006774306678
tduepunti0 : = -2.0648017797213E+15
v=v_elettrone : = 6011643.2608956
x0= : -1.4397373668776E-12
y0= : -3.3936992335997E-12
*****
i=30539
k(30539)=0.99986284965185
kQ(30539)=0.99972571811392
r1= : 3.6876321117904E-12
rpunto1 : = 4964992.5713918
rduepunti0 : = -1.551666729128E+25
fil : = 488.11664755774
fipunto1 : = 9.1734303516511E+17
fi_gradi : = 27967.023815133
t1 : = 1.080902437011E-14
tpunto1 : = 1.0006771886758
tduepunti0 : = -2.0633921677927E+15
v=v_elettrone : = 6009837.5105541
x0= : -1.4395995367607E-12
y0= : -3.394390667595E-12
*****
i=30540
k(30540)=0.99986295014874
kQ(30540)=0.99972591908015
r1= : 3.6882143996316E-12
rpunto1 : = 4963173.3140603
rduepunti0 : = -1.551225785184E+25
fil : = 488.11675514253
fipunto1 : = 9.1705333289581E+17
fi_gradi : = 27967.029979288
t1 : = 1.0809024487468E-14
tpunto1 : = 1.0006769468491
tduepunti0 : = -2.0619837984623E+15
v=v_elettrone : = 6008032.4500012
x0= : -1.4394616066697E-12
y0= : -3.3950818657039E-12
```

```
*****
i=30541
k(30541)=0.99986305058027
kQ(30541)=0.99972611991568
r1= : 3.6887964741126E-12
rpunto1: = 4961354.5734551
rduepunti0 : = -1.5507851882993E+25
fil : = 488.11686269335
fipunto1 : = 9.1676387394088E+17
fi_gradi : = 27967.036141496
t1 : = 1.0809024604826E-14
tpunto1 : = 1.0006767051873
tduepunti0 : = -2.0605766701493E+15
v=v_elettrone : = 6006228.0792971
x0= : -1.4393235766615E-12
y0= : -3.3957728279901E-12
*****
i=30542
k(30542)=0.99986315094647
kQ(30542)=0.99972632062061
r1= : 3.6893783352941E-12
rpunto1: = 4959536.3491695
rduepunti0 : = -1.5503449381218E+25
fil : = 488.11697021022
fipunto1 : = 9.1647465803286E+17
fi_gradi : = 27967.042301758
t1 : = 1.0809024722184E-14
tpunto1 : = 1.0006764636905
tduepunti0 : = -2.0591707812758E+15
v=v_elettrone : = 6004424.3965521
x0= : -1.4391854467929E-12
y0= : -3.3964635545174E-12
*****
i=30543
k(30543)=0.99986325124742
kQ(30543)=0.99972652119506
r1= : 3.6899599832367E-12
rpunto1: = 4957718.6407974
rduepunti0 : = -1.5499050342997E+25
fil : = 488.11707769317
fipunto1 : = 9.1618568490471E+17
fi_gradi : = 27967.048460078
t1 : = 1.0809024839542E-14
tpunto1 : = 1.0006762223584
tduepunti0 : = -2.057766130266E+15
v=v_elettrone : = 6002621.4028432
x0= : -1.439047217121E-12
y0= : -3.3971540453494E-12
*****
i=30544
k(30544)=0.99986335148316
kQ(30544)=0.99972672163913
r1= : 3.6905414180008E-12
rpunto1: = 4955901.447933
rduepunti0 : = -1.5494654764819E+25
fil : = 488.11718514223
fipunto1 : = 9.1589695428974E+17
fi_gradi : = 27967.054616455
t1 : = 1.08090249569E-14
tpunto1 : = 1.0006759811908
tduepunti0 : = -2.0563627155468E+15
v=v_elettrone : = 6000819.0972727
x0= : -1.4389088877024E-12
y0= : -3.3978443005499E-12
```



```
*****
i=30545
k(30545)=0.99986345165374
kQ(30545)=0.99972692195293
r1= : 3.6911226396469E-12
rpunto1: = 4954084.7701708
rduepunti0 : = -1.5490262643177E+25
fil : = 488.11729255742
fipunto1 : = 9.1560846592171E+17
fi_gradi : = 27967.060770893
t1 : = 1.0809025074258E-14
tpunto1 : = 1.0006757401877
tduepunti0 : = -2.0549605355477E+15
v=v_elettrone : = 5999017.4799177
x0= : -1.4387704585939E-12
y0= : -3.3985343201823E-12
*****
i=30546
k(30546)=0.99986355175922
kQ(30546)=0.99972712213657
r1= : 3.6917036482354E-12
rpunto1: = 4952268.607106
rduepunti0 : = -1.5485873974569E+25
fil : = 488.11739993879
fipunto1 : = 9.1532021953472E+17
fi_gradi : = 27967.066923392
t1 : = 1.0809025191616E-14
tpunto1 : = 1.000675499349
tduepunti0 : = -2.0535595887004E+15
v=v_elettrone : = 5997216.548871
x0= : -1.438631929852E-12
y0= : -3.3992241043103E-12
*****
i=30547
k(30547)=0.99986365179966
kQ(30547)=0.99972732219015
r1= : 3.6922844438267E-12
rpunto1: = 4950452.9583339
rduepunti0 : = -1.5481488755496E+25
fil : = 488.11750728635
fipunto1 : = 9.1503221486329E+17
fi_gradi : = 27967.073073954
t1 : = 1.0809025308974E-14
tpunto1 : = 1.0006752586743
tduepunti0 : = -2.0521598734393E+15
v=v_elettrone : = 5995416.3042103
x0= : -1.4384933015335E-12
y0= : -3.3999136529973E-12
*****
i=30548
k(30548)=0.9998637517751
kQ(30548)=0.99972752211378
r1= : 3.692865026481E-12
rpunto1: = 4948637.8234504
rduepunti0 : = -1.5477106982468E+25
fil : = 488.11761460013
fipunto1 : = 9.1474445164234E+17
fi_gradi : = 27967.079222581
t1 : = 1.0809025426332E-14
tpunto1 : = 1.0006750181637
tduepunti0 : = -2.0507613882012E+15
v=v_elettrone : = 5993616.7460353
x0= : -1.438354573695E-12
y0= : -3.4006029663069E-12
```

```
*****
i=30549
k(30549)=0.9998638516856
kQ(30549)=0.99972772190757
r1= : 3.6934453962587E-12
rpunto1: = 4946823.2020519
rduepunti0 : = -1.5472728651994E+25
fil : = 488.11772188016
fipunto1 : = 9.1445692960714E+17
fi_gradi : = 27967.085369274
t1 : = 1.080902554369E-14
tpunto1 : = 1.000674777817
tduepunti0 : = -2.0493641314254E+15
v=v_elettrone : = 5991817.8734356
x0= : -1.438215746393E-12
y0= : -3.4012920443023E-12
*****
i=30550
k(30550)=0.99986395153122
kQ(30550)=0.99972792157162
r1= : 3.69402555322E-12
rpunto1: = 4945009.0937348
rduepunti0 : = -1.5468353760593E+25
fil : = 488.11782912648
fipunto1 : = 9.1416964849339E+17
fi_gradi : = 27967.091514035
t1 : = 1.0809025661047E-14
tpunto1 : = 1.0006745376339
tduepunti0 : = -2.0479681015537E+15
v=v_elettrone : = 5990019.6864898
x0= : -1.438076819684E-12
y0= : -3.4019808870469E-12
*****
i=30551
k(30551)=0.999864051312
kQ(30551)=0.99972812110605
r1= : 3.694605497425E-12
rpunto1: = 4943195.4980964
rduepunti0 : = -1.5463982304786E+25
fil : = 488.1179363391
fipunto1 : = 9.1388260803717E+17
fi_gradi : = 27967.097656866
t1 : = 1.0809025778405E-14
tpunto1 : = 1.0006742976145
tduepunti0 : = -2.0465732970302E+15
v=v_elettrone : = 5988222.1842883
x0= : -1.4379377936244E-12
y0= : -3.402669494604E-12
*****
i=30552
k(30552)=0.999864151028
kQ(30552)=0.99972832051095
r1= : 3.6951852289339E-12
rpunto1: = 4941382.4147341
rduepunti0 : = -1.5459614281099E+25
fil : = 488.11804351806
fipunto1 : = 9.1359580797492E+17
fi_gradi : = 27967.103797768
t1 : = 1.0809025895763E-14
tpunto1 : = 1.0006740577585
tduepunti0 : = -2.0451797163017E+15
v=v_elettrone : = 5986425.3659152
x0= : -1.4377986682706E-12
y0= : -3.403357867037E-12
```

```
*****
i=30553
k(30553)=0.99986425067927
kQ(30553)=0.99972851978643
r1= : 3.6957647478068E-12
rpunto1: = 4939569.8432458
rduepunti0 : = -1.5455249686064E+25
fil : = 488.11815066338
fipunto1 : = 9.1330924804351E+17
fi_gradi : = 27967.109936743
t1 : = 1.0809026013121E-14
tpunto1 : = 1.0006738180658
tduepunti0 : = -2.0437873578172E+15
v=v_elettrone : = 5984629.232463
x0= : -1.437659443679E-12
y0= : -3.4040460044089E-12
*****
i=30554
k(30554)=0.99986435026587
kQ(30554)=0.9997287189326
r1= : 3.6963440541036E-12
rpunto1: = 4937757.7832298
rduepunti0 : = -1.5450888516216E+25
fil : = 488.1182577751
fipunto1 : = 9.1302292798016E+17
fi_gradi : = 27967.116073792
t1 : = 1.0809026130478E-14
tpunto1 : = 1.0006735785362
tduepunti0 : = -2.0423962200283E+15
v=v_elettrone : = 5982833.7820175
x0= : -1.4375201199058E-12
y0= : -3.4047339067829E-12
*****
i=30555
k(30555)=0.99986444978785
kQ(30555)=0.99972891794956
r1= : 3.6969231478844E-12
rpunto1: = 4935946.2342848
rduepunti0 : = -1.5446530768096E+25
fil : = 488.11836485323
fipunto1 : = 9.1273684752251E+17
fi_gradi : = 27967.122208917
t1 : = 1.0809026247836E-14
tpunto1 : = 1.0006733391697
tduepunti0 : = -2.0410063013891E+15
v=v_elettrone : = 5981039.0136501
x0= : -1.4373806970071E-12
y0= : -3.4054215742223E-12
*****
i=30556
k(30556)=0.99986454924526
kQ(30556)=0.99972911683743
r1= : 3.6975020292091E-12
rpunto1: = 4934135.19601
rduepunti0 : = -1.5442176438248E+25
fil : = 488.11847189782
fipunto1 : = 9.1245100640855E+17
fi_gradi : = 27967.12834212
t1 : = 1.0809026365194E-14
tpunto1 : = 1.000673099966
tduepunti0 : = -2.039617600356E+15
v=v_elettrone : = 5979244.9284672
x0= : -1.4372411750395E-12
y0= : -3.4061090067898E-12
```

```
*****
i=30557
k(30557)=0.99986464863815
kQ(30557)=0.9997293155963
r1= : 3.6980806981376E-12
rpunto1 : = 4932324.6680047
rduepunti0 : = -1.5437825523224E+25
fil : = 488.11857890888
fipunto1 : = 9.1216540437668E+17
fi_gradi : = 27967.134473402
t1 : = 1.0809026482551E-14
tpunto1 : = 1.000672860925
tduepunti0 : = -2.0382301153878E+15
v=v_elettrone : = 5977451.525549
x0= : -1.4371015540589E-12
y0= : -3.4067962045487E-12
*****
i=30558
k(30558)=0.99986474796658
kQ(30558)=0.99972951422628
r1= : 3.6986591547298E-12
rpunto1 : = 4930514.649869
rduepunti0 : = -1.5433478019578E+25
fil : = 488.11868588645
fipunto1 : = 9.1188004116567E+17
fi_gradi : = 27967.140602765
t1 : = 1.0809026599909E-14
tpunto1 : = 1.0006726220466
tduepunti0 : = -2.0368438449459E+15
v=v_elettrone : = 5975658.8039745
x0= : -1.4369618341214E-12
y0= : -3.4074831675617E-12
*****
i=30559
k(30559)=0.9998648472306
kQ(30559)=0.99972971272748
r1= : 3.6992373990454E-12
rpunto1 : = 4928705.1412032
rduepunti0 : = -1.5429133923869E+25
fil : = 488.11879283055
fipunto1 : = 9.1159491651468E+17
fi_gradi : = 27967.146730211
t1 : = 1.0809026717267E-14
tpunto1 : = 1.0006723833307
tduepunti0 : = -2.0354587874941E+15
v=v_elettrone : = 5973866.7638358
x0= : -1.4368220152831E-12
y0= : -3.408169895892E-12
*****
i=30560
k(30560)=0.99986494643027
kQ(30560)=0.9997299111
r1= : 3.6998154311442E-12
rpunto1 : = 4926896.1416079
rduepunti0 : = -1.5424793232661E+25
fil : = 488.11889974121
fipunto1 : = 9.1131003016326E+17
fi_gradi : = 27967.15285574
t1 : = 1.0809026834624E-14
tpunto1 : = 1.000672144777
tduepunti0 : = -2.0340749414984E+15
v=v_elettrone : = 5972075.4042056
x0= : -1.4366820975999E-12
y0= : -3.4088563896022E-12
```

```
*****
i=30561
k(30561)=0.99986504556563
kQ(30561)=0.99973010934395
r1= : 3.7003932510858E-12
rpunto1:= 4925087.6506844
rduepunti0 := -1.5420455942523E+25
fil := 488.11900661846
fipunto1 := 9.1102538185133E+17
fi_gradi := 27967.158979356
t1 := 1.0809026951982E-14
tpunto1 := 1.0006719063855
tduepunti0 := -2.0326923054275E+15
v=v_elettrone := 5970284.725191
x0= : -1.4365420811279E-12
y0= : -3.4095426487553E-12
*****
i=30562
k(30562)=0.99986514463673
kQ(30562)=0.99973030745944
r1= : 3.70097085893E-12
rpunto1:= 4923279.6680341
rduepunti0 := -1.5416122050028E+25
fil := 488.11911346232
fipunto1 := 9.1074097131918E+17
fi_gradi := 27967.165101058
t1 := 1.0809027069339E-14
tpunto1 := 1.0006716681561
tduepunti0 := -2.0313108777524E+15
v=v_elettrone := 5968494.7258633
x0= : -1.4364019659228E-12
y0= : -3.410228673414E-12
*****
i=30563
k(30563)=0.99986524364364
kQ(30563)=0.99973050544656
r1= : 3.7015482547364E-12
rpunto1:= 4921472.1932591
rduepunti0 := -1.5411791551755E+25
fil := 488.11922027283
fipunto1 := 9.1045679830752E+17
fi_gradi := 27967.17122085
t1 := 1.0809027186697E-14
tpunto1 := 1.0006714300884
tduepunti0 := -2.0299306569464E+15
v=v_elettrone := 5966705.4052921
x0= : -1.4362617520406E-12
y0= : -3.4109144636409E-12
*****
i=30564
k(30564)=0.9998653425864
kQ(30564)=0.99973070330542
r1= : 3.7021254385645E-12
rpunto1:= 4919665.2259615
rduepunti0 := -1.5407464444286E+25
fil := 488.11932705002
fipunto1 := 9.101728625574E+17
fi_gradi := 27967.177338732
t1 := 1.0809027304054E-14
tpunto1 := 1.0006711921826
tduepunti0 := -2.0285516414854E+15
v=v_elettrone := 5964916.764599
x0= : -1.4361214395371E-12
y0= : -3.4116000194988E-12
```

```
*****
i=30565
k(30565)=0.99986544146507
kQ(30565)=0.99973090103613
r1= : 3.7027024104738E-12
rpunto1:= 4917858.7657441
rduepunti0 := -1.5403140724208E+25
fil := 488.1194337939
fipunto1 := 9.0988916381026E+17
fi_gradi := 27967.183454706
t1 := 1.0809027421411E-14
tpunto1 := 1.0006709544383
tduepunti0 := -2.0271738298475E+15
v=v_elettrone := 5963128.8018299
x0= : -1.435981028468E-12
y0= : -3.4122853410503E-12
*****
i=30566
k(30566)=0.99986554027969
kQ(30566)=0.99973109863879
r1= : 3.7032791705239E-12
rpunto1:= 4916052.8122102
rduepunti0 := -1.5398820388115E+25
fil := 488.11954050451
fipunto1 := 9.0960570180794E+17
fi_gradi := 27967.189568774
t1 := 1.0809027538769E-14
tpunto1 := 1.0006707168554
tduepunti0 := -2.0257972205133E+15
v=v_elettrone := 5961341.5170908
x0= : -1.435840518889E-12
y0= : -3.4129704283579E-12
*****
i=30567
k(30567)=0.99986563903032
kQ(30567)=0.99973129611351
r1= : 3.703855718774E-12
rpunto1:= 4914247.3649631
rduepunti0 := -1.5394503432601E+25
fil := 488.11964718188
fipunto1 := 9.0932247629262E+17
fi_gradi := 27967.195680937
t1 := 1.0809027656126E-14
tpunto1 := 1.0006704794339
tduepunti0 := -2.0244218119658E+15
v=v_elettrone := 5959554.9094456
x0= : -1.4356999108558E-12
y0= : -3.4136552814841E-12
*****
i=30568
k(30568)=0.99986573771702
kQ(30568)=0.99973149346039
r1= : 3.7044320552837E-12
rpunto1:= 4912442.4236069
rduepunti0 := -1.5390189854269E+25
fil := 488.11975382603
fipunto1 := 9.0903948700689E+17
fi_gradi := 27967.201791196
t1 := 1.0809027773484E-14
tpunto1 := 1.0006702421735
tduepunti0 := -2.0230476026904E+15
v=v_elettrone := 5957768.980018
x0= : -1.4355592044242E-12
y0= : -3.4143399004915E-12
```

```
*****
i=30569
k(30569)=0.99986583633982
kQ(30569)=0.99973169067954
r1= : 3.7050081801122E-12
rpunto1: = 4910637.9877458
rduepunti0 : = -1.5385879649725E+25
fil : = 488.119860437
fipunto1 : = 9.087567336937E+17
fi_gradi : = 27967.207899555
t1 : = 1.0809027890841E-14
tpunto1 : = 1.0006700050741
tduepunti0 : = -2.0216745911747E+15
v=v_elettrone : = 5955983.7258341
x0= : -1.4354183996494E-12
y0= : -3.4150242854424E-12
*****
i=30570
k(30570)=0.9998659348988
kQ(30570)=0.99973188777105
r1= : 3.7055840933189E-12
rpunto1: = 4908834.0569846
rduepunti0 : = -1.5381572815579E+25
fil : = 488.1199670148
fipunto1 : = 9.0847421609638E+17
fi_gradi : = 27967.214006013
t1 : = 1.0809028008198E-14
tpunto1 : = 1.0006697681357
tduepunti0 : = -2.0203027759089E+15
v=v_elettrone : = 5954199.1490249
x0= : -1.4352774965874E-12
y0= : -3.4157084363992E-12
*****
i=30571
k(30571)=0.99986603339399
kQ(30571)=0.99973208473503
r1= : 3.7061597949628E-12
rpunto1: = 4907030.6309284
rduepunti0 : = -1.5377269348445E+25
fil : = 488.12007355947
fipunto1 : = 9.0819193395864E+17
fi_gradi : = 27967.220110573
t1 : = 1.0809028125555E-14
tpunto1 : = 1.0006695313579
tduepunti0 : = -2.0189321553855E+15
v=v_elettrone : = 5952415.2476565
x0= : -1.4351364952932E-12
y0= : -3.4163923534242E-12
*****
i=30572
k(30572)=0.99986613182545
kQ(30572)=0.9997322815716
r1= : 3.7067352851034E-12
rpunto1: = 4905227.7091827
rduepunti0 : = -1.5372969244945E+25
fil : = 488.12018007103
fipunto1 : = 9.0790988702455E+17
fi_gradi : = 27967.226213236
t1 : = 1.0809028242913E-14
tpunto1 : = 1.0006692947408
tduepunti0 : = -2.0175627280993E+15
v=v_elettrone : = 5950632.0218065
x0= : -1.4349953958224E-12
y0= : -3.4170760365797E-12
```

```
*****
i=30573
k(30573)=0.99986623019324
kQ(30573)=0.99973247828084
r1= : 3.7073105637996E-12
rpunto1:= 4903425.2913535
rduepunti0 := -1.5368672501701E+25
fil := 488.12028654952
fipunto1 := 9.0762807503857E+17
fi_gradi := 27967.232314004
t1 := 1.080902836027E-14
tpunto1 := 1.0006690582842
tduepunti0 := -2.0161944925475E+15
v=v_elettrone := 5948849.4705602
x0= : -1.4348541982304E-12
y0= : -3.417759485928E-12
*****
i=30574
k(30574)=0.9998663284974
kQ(30574)=0.99973267486287
r1= : 3.7078856311106E-12
rpunto1:= 4901623.377047
rduepunti0 := -1.5364379115344E+25
fil := 488.12039299495
fipunto1 := 9.0734649774552E+17
fi_gradi := 27967.238412878
t1 := 1.0809028477627E-14
tpunto1 := 1.0006688219878
tduepunti0 := -2.0148274472296E+15
v=v_elettrone := 5947067.5929836
x0= : -1.4347129025725E-12
y0= : -3.4184427015312E-12
*****
i=30575
k(30575)=0.99986642673798
kQ(30575)=0.99973287131778
r1= : 3.7084604870955E-12
rpunto1:= 4899821.9658699
rduepunti0 := -1.5360089082506E+25
fil := 488.12049940736
fipunto1 := 9.0706515489061E+17
fi_gradi := 27967.24450986
t1 := 1.0809028594984E-14
tpunto1 := 1.0006685858517
tduepunti0 := -2.0134615906476E+15
v=v_elettrone := 5945286.3901903
x0= : -1.4345715089042E-12
y0= : -3.4191256834514E-12
*****
i=30576
k(30576)=0.99986652491504
kQ(30576)=0.99973306764569
r1= : 3.7090351318132E-12
rpunto1:= 4898021.0574294
rduepunti0 := -1.5355802399825E+25
fil := 488.12060578678
fipunto1 := 9.067840462194E+17
fi_gradi := 27967.250604951
t1 := 1.0809028712341E-14
tpunto1 := 1.0006683498756
tduepunti0 := -2.0120969213058E+15
v=v_elettrone := 5943505.8612536
x0= : -1.4344300172805E-12
y0= : -3.4198084317507E-12
```



```
*****
i=30577
k(30577)=0.99986662302863
kQ(30577)=0.99973326384668
r1= : 3.7096095653227E-12
rpunto1: = 4896220.6513329
rduepunti0 : = -1.5351519063945E+25
fil : = 488.12071213323
fipunto1 : = 9.0650317147783E+17
fi_gradi : = 27967.256698154
t1 : = 1.0809028829698E-14
tpunto1 : = 1.0006681140594
tduepunti0 : = -2.0107334377107E+15
v=v_elettrone : = 5941726.0052493
x0= : -1.4342884277565E-12
y0= : -3.4204909464912E-12
*****
i=30578
k(30578)=0.9998667210788
kQ(30578)=0.99973345992088
r1= : 3.710183787683E-12
rpunto1: = 4894420.7471884
rduepunti0 : = -1.5347239071511E+25
fil : = 488.12081844673
fipunto1 : = 9.0622253041222E+17
fi_gradi : = 27967.262789469
t1 : = 1.0809028947055E-14
tpunto1 : = 1.000667878403
tduepunti0 : = -2.0093711383713E+15
v=v_elettrone : = 5939946.8212387
x0= : -1.4341467403876E-12
y0= : -3.4211732277348E-12
*****
i=30579
k(30579)=0.99986681906561
kQ(30579)=0.99973365586838
r1= : 3.7107577989528E-12
rpunto1: = 4892621.344604
rduepunti0 : = -1.5342962419177E+25
fil : = 488.12092472733
fipunto1 : = 9.0594212276925E+17
fi_gradi : = 27967.268878899
t1 : = 1.0809029064412E-14
tpunto1 : = 1.0006676429062
tduepunti0 : = -2.0080100217988E+15
v=v_elettrone : = 5938168.3103447
x0= : -1.4340049552287E-12
y0= : -3.4218552755435E-12
*****
i=30580
k(30580)=0.99986691698909
kQ(30580)=0.99973385168927
r1= : 3.7113315991911E-12
rpunto1: = 4890822.4431885
rduepunti0 : = -1.5338689103597E+25
fil : = 488.12103097504
fipunto1 : = 9.0566194829597E+17
fi_gradi : = 27967.274966444
t1 : = 1.0809029181769E-14
tpunto1 : = 1.0006674075689
tduepunti0 : = -2.0066500865069E+15
v=v_elettrone : = 5936390.4706056
x0= : -1.4338630723349E-12
y0= : -3.4225370899792E-12
```

```
*****
i=30581
k(30581)=0.99986701484931
kQ(30581)=0.99973404738368
r1= : 3.7119051884565E-12
rpunto1: = 4889024.042551
rduerpunti0 : = -1.5334419121433E+25
fil : = 488.12113718989
fipunto1 : = 9.053820067398E+17
fi_gradi : = 27967.281052107
t1 : = 1.0809029299126E-14
tpunto1 : = 1.0006671723909
tduerpunti0 : = -2.0052913310114E+15
v=v_elettrone : = 5934613.3021229
x0= : -1.4337210917613E-12
y0= : -3.4232186711037E-12
*****
i=30582
k(30582)=0.99986711264632
kQ(30582)=0.99973424295169
r1= : 3.7124785668079E-12
rpunto1: = 4887226.1423008
rduerpunti0 : = -1.533015246935E+25
fil : = 488.12124337191
fipunto1 : = 9.0510229784853E+17
fi_gradi : = 27967.287135888
t1 : = 1.0809029416483E-14
tpunto1 : = 1.0006669373722
tduerpunti0 : = -2.0039337538306E+15
v=v_elettrone : = 5932836.8049935
x0= : -1.4335790135628E-12
y0= : -3.4239000189788E-12
*****
i=30583
k(30583)=0.99986721038016
kQ(30583)=0.99973443839341
r1= : 3.7130517343039E-12
rpunto1: = 4885428.7420478
rduerpunti0 : = -1.5325889144018E+25
fil : = 488.12134952112
fipunto1 : = 9.048228213703E+17
fi_gradi : = 27967.29321779
t1 : = 1.080902953384E-14
tpunto1 : = 1.0006667025125
tduerpunti0 : = -2.0025773534852E+15
v=v_elettrone : = 5931060.9782678
x0= : -1.4334368377942E-12
y0= : -3.4245811336662E-12
*****
i=30584
k(30584)=0.9998673080509
kQ(30584)=0.99973463370895
r1= : 3.7136246910031E-12
rpunto1: = 4883631.8414023
rduerpunti0 : = -1.5321629142111E+25
fil : = 488.12145563756
fipunto1 : = 9.0454357705365E+17
fi_gradi : = 27967.299297814
t1 : = 1.0809029651197E-14
tpunto1 : = 1.0006664678118
tduerpunti0 : = -2.0012221284978E+15
v=v_elettrone : = 5929285.8210359
x0= : -1.4332945645104E-12
y0= : -3.4252620152277E-12
```

```
*****
i=30585
k(30585)=0.99986740565857
kQ(30585)=0.9997348288984
r1= : 3.7141974369642E-12
rpunto1:= 4881835.4399749
rduepunti0 := -1.5317372460307E+25
fil := 488.12156172125
fipunto1 := 9.0426456464745E+17
fi_gradi := 27967.305375962
t1 := 1.0809029768554E-14
tpunto1 := 1.0006662332699
tduepunti0 := -1.9998680773939E+15
v=v_elettrone := 5927511.3333767
x0= : -1.4331521937664E-12
y0= : -3.4259426637249E-12
*****
i=30586
k(30586)=0.99986750320323
kQ(30586)=0.99973502396187
r1= : 3.7147699722457E-12
rpunto1:= 4880039.5373766
rduepunti0 := -1.5313119095291E+25
fil := 488.12166777221
fipunto1 := 9.0398578390097E+17
fi_gradi := 27967.311452235
t1 := 1.0809029885911E-14
tpunto1 := 1.0006659988867
tduepunti0 := -1.9985151987007E+15
v=v_elettrone := 5925737.5153792
x0= : -1.4330097256168E-12
y0= : -3.4266230792194E-12
*****
i=30587
k(30587)=0.99986760068494
kQ(30587)=0.99973521889945
r1= : 3.715342296906E-12
rpunto1:= 4878244.1332187
rduepunti0 := -1.5308869043749E+25
fil := 488.12177379049
fipunto1 := 9.0370723456381E+17
fi_gradi := 27967.317526634
t1 := 1.0809030003267E-14
tpunto1 := 1.0006657646619
tduepunti0 := -1.9971634909481E+15
v=v_elettrone := 5923964.3661214
x0= : -1.4328671601163E-12
y0= : -3.4273032617728E-12
*****
i=30588
k(30588)=0.99986769810374
kQ(30588)=0.99973541371126
r1= : 3.7159144110037E-12
rpunto1:= 4876449.2271132
rduepunti0 := -1.5304622302374E+25
fil := 488.12187977609
fipunto1 := 9.0342891638596E+17
fi_gradi := 27967.323599162
t1 := 1.0809030120624E-14
tpunto1 := 1.0006655305956
tduepunti0 := -1.9958129526683E+15
v=v_elettrone := 5922191.8846687
x0= : -1.4327244973196E-12
y0= : -3.4279832114465E-12
```

```
*****
i=30589
k(30589)=0.99986779545968
kQ(30589)=0.99973560839739
r1= : 3.7164863145972E-12
rpunto1: = 4874654.8186721
rduepunti0 : = -1.5300378867862E+25
fil : = 488.12198572905
fipunto1 : = 9.0315082911776E+17
fi_gradi : = 27967.32966982
t1 : = 1.0809030237981E-14
tpunto1 : = 1.0006652966875
tduepunti0 : = -1.9944635823954E+15
v=v_elettrone : = 5920420.0711057
x0= : -1.4325817372813E-12
y0= : -3.4286629283021E-12
*****
i=30590
k(30590)=0.99986789275281
kQ(30590)=0.99973580295795
r1= : 3.7170580077447E-12
rpunto1: = 4872860.907508
rduepunti0 : = -1.5296138736916E+25
fil : = 488.1220916494
fipunto1 : = 9.0287297250991E+17
fi_gradi : = 27967.335738609
t1 : = 1.0809030355338E-14
tpunto1 : = 1.0006650629375
tduepunti0 : = -1.9931153786663E+15
v=v_elettrone : = 5918648.9255373
x0= : -1.4324388800561E-12
y0= : -3.4293424124009E-12
*****
i=30591
k(30591)=0.99986798998319
kQ(30591)=0.99973599739303
r1= : 3.7176294905048E-12
rpunto1: = 4871067.4932339
rduepunti0 : = -1.5291901906239E+25
fil : = 488.12219753716
fipunto1 : = 9.0259534631349E+17
fi_gradi : = 27967.341805531
t1 : = 1.0809030472694E-14
tpunto1 : = 1.0006648293456
tduepunti0 : = -1.9917683400198E+15
v=v_elettrone : = 5916878.4459889
x0= : -1.4322959256983E-12
y0= : -3.4300216638044E-12
*****
i=30592
k(30592)=0.99986808715087
kQ(30592)=0.99973619170274
r1= : 3.7182007629355E-12
rpunto1: = 4869274.5754631
rduepunti0 : = -1.5287668372543E+25
fil : = 488.12230339237
fipunto1 : = 9.0231795027993E+17
fi_gradi : = 27967.347870587
t1 : = 1.0809030590051E-14
tpunto1 : = 1.0006645959114
tduepunti0 : = -1.9904224649971E+15
v=v_elettrone : = 5915108.6335886
x0= : -1.4321528742627E-12
y0= : -3.4307006825737E-12
```

```
*****
i=30593
k(30593)=0.99986818425589
kQ(30593)=0.99973638588718
r1= : 3.7187718250952E-12
rpunto1: = 4867482.1538093
rduepunti0 : = -1.5283438132541E+25
fil : = 488.12240921504
fipunto1 : = 9.0204078416101E+17
fi_gradi : = 27967.353933779
t1 : = 1.0809030707408E-14
tpunto1 : = 1.000664362635
tduepunti0 : = -1.9890777521418E+15
v=v_elettrone : = 5913339.4863703
x0= : -1.4320097258035E-12
y0= : -3.4313794687703E-12
*****
i=30594
k(30594)=0.99986828129831
kQ(30594)=0.99973657994645
r1= : 3.719342677042E-12
rpunto1: = 4865690.2278866
rduepunti0 : = -1.5279211182953E+25
fil : = 488.1225150052
fipunto1 : = 9.0176384770889E+17
fi_gradi : = 27967.359995109
t1 : = 1.0809030824764E-14
tpunto1 : = 1.0006641295161
tduepunti0 : = -1.9877341999995E+15
v=v_elettrone : = 5911571.0064786
x0= : -1.4318664803752E-12
y0= : -3.4320580224553E-12
*****
i=30595
k(30595)=0.99986837827818
kQ(30595)=0.99973677388064
r1= : 3.7199133188341E-12
rpunto1: = 4863898.7973095
rduepunti0 : = -1.5274987520503E+25
fil : = 488.12262076289
fipunto1 : = 9.0148714067608E+17
fi_gradi : = 27967.366054578
t1 : = 1.0809030942121E-14
tpunto1 : = 1.0006638965547
tduepunti0 : = -1.9863918071183E+15
v=v_elettrone : = 5909803.1899123
x0= : -1.4317231380321E-12
y0= : -3.4327363436899E-12
*****
i=30596
k(30596)=0.99986847519555
kQ(30596)=0.99973696768988
r1= : 3.7204837505295E-12
rpunto1: = 4862107.8616929
rduepunti0 : = -1.5270767141916E+25
fil : = 488.12272648812
fipunto1 : = 9.0121066281544E+17
fi_gradi : = 27967.372112188
t1 : = 1.0809031059477E-14
tpunto1 : = 1.0006636637505
tduepunti0 : = -1.9850505720485E+15
v=v_elettrone : = 5908036.0398133
x0= : -1.4315796988285E-12
y0= : -3.4334144325352E-12
```

```
*****
i=30597
k(30597)=0.99986857205047
kQ(30597)=0.99973716137424
r1= : 3.7210539721864E-12
rpunto1: = 4860317.4206521
rduepunti0 : = -1.5266550043927E+25
fil : = 488.12283218093
fipunto1 : = 9.009344138802E+17
fi_gradi : = 27967.37816794
t1 : = 1.0809031176834E-14
tpunto1 : = 1.0006634311036
tduepunti0 : = -1.9837104933426E+15
v=v_elettrone : = 5906269.5532266
x0= : -1.4314361628187E-12
y0= : -3.4340922890524E-12
*****
i=30598
k(30598)=0.99986866884298
kQ(30598)=0.99973735493383
r1= : 3.7216239838627E-12
rpunto1: = 4858527.4738027
rduepunti0 : = -1.5262336223271E+25
fil : = 488.12293784134
fipunto1 : = 9.0065839362395E+17
fi_gradi : = 27967.384221835
t1 : = 1.080903129419E-14
tpunto1 : = 1.0006631986136
tduepunti0 : = -1.9823715695553E+15
v=v_elettrone : = 5904503.7302186
x0= : -1.4312925300568E-12
y0= : -3.4347699133025E-12
*****
i=30599
k(30599)=0.99986876557314
kQ(30599)=0.99973754836876
r1= : 3.7221937856163E-12
rpunto1: = 4856738.0207606
rduepunti0 : = -1.525812567669E+25
fil : = 488.12304346938
fipunto1 : = 9.0038260180062E+17
fi_gradi : = 27967.390273876
t1 : = 1.0809031411547E-14
tpunto1 : = 1.0006629662806
tduepunti0 : = -1.9810337992437E+15
v=v_elettrone : = 5902738.5708868
x0= : -1.4311488005971E-12
y0= : -3.4354473053463E-12
*****
i=30600
k(30600)=0.99986886224101
kQ(30600)=0.99973774167913
r1= : 3.7227633775052E-12
rpunto1: = 4854949.0611423
rduepunti0 : = -1.5253918400928E+25
fil : = 488.12314906507
fipunto1 : = 9.0010703816452E+17
fi_gradi : = 27967.396324064
t1 : = 1.0809031528903E-14
tpunto1 : = 1.0006627341043
tduepunti0 : = -1.9796971809671E+15
v=v_elettrone : = 5900974.0753255
x0= : -1.4310049744937E-12
y0= : -3.436124465245E-12
```

```
*****
i=30601
k(30601)=0.99986895884662
kQ(30601)=0.99973793486503
r1= : 3.7233327595873E-12
rpunto1: = 4853160.5945647
rduepunti0 : = -1.5249714392735E+25
fil : = 488.12325462845
fipunto1 : = 8.998317024703E+17
fi_gradi : = 27967.4023724
t1 : = 1.080903164626E-14
tpunto1 : = 1.0006625020846
tduepunti0 : = -1.978361713287E+15
v=v_elettrone : = 5899210.2415692
x0= : -1.4308610518005E-12
y0= : -3.4368013930593E-12
*****
i=30602
k(30602)=0.99986905539004
kQ(30602)=0.99973812792656
r1= : 3.7239019319204E-12
rpunto1: = 4851372.6206448
rduepunti0 : = -1.5245513648866E+25
fil : = 488.12336015954
fipunto1 : = 8.9955659447296E+17
fi_gradi : = 27967.408418886
t1 : = 1.0809031763616E-14
tpunto1 : = 1.0006622702214
tduepunti0 : = -1.9770273947671E+15
v=v_elettrone : = 5897447.069707
x0= : -1.4307170325717E-12
y0= : -3.4374780888502E-12
*****
i=30603
k(30603)=0.9998691518713
kQ(30603)=0.99973832086383
r1= : 3.7244708945622E-12
rpunto1: = 4849585.1390002
rduepunti0 : = -1.5241316166079E+25
fil : = 488.12346565836
fipunto1 : = 8.9928171392787E+17
fi_gradi : = 27967.414463523
t1 : = 1.0809031880973E-14
tpunto1 : = 1.0006620385146
tduepunti0 : = -1.9756942239734E+15
v=v_elettrone : = 5895684.5608559
x0= : -1.4305729168614E-12
y0= : -3.4381545526784E-12
*****
i=30604
k(30604)=0.99986924829046
kQ(30604)=0.99973851367693
r1= : 3.7250396475705E-12
rpunto1: = 4847798.1492488
rduepunti0 : = -1.5237121941136E+25
fil : = 488.12357112494
fipunto1 : = 8.9900706059075E+17
fi_gradi : = 27967.420506313
t1 : = 1.0809031998329E-14
tpunto1 : = 1.0006618069639
tduepunti0 : = -1.974362199474E+15
v=v_elettrone : = 5893922.7120193
x0= : -1.4304287047232E-12
y0= : -3.4388307846047E-12
```

```
*****
i=30605
k(30605)=0.99986934464757
kQ(30605)=0.99973870636597
r1= : 3.725608191003E-12
rpunto1 : = 4846011.6510089
rduepunti0 : = -1.5232930970806E+25
fil : = 488.12367655932
fipunto1 : = 8.9873263421765E+17
fi_gradi : = 27967.426547258
t1 : = 1.0809032115685E-14
tpunto1 : = 1.0006615755694
tduepunti0 : = -1.9730313198394E+15
v=v_elettrone : = 5892161.5253492
x0= : -1.4302843962112E-12
y0= : -3.4395067846897E-12
*****
i=30606
k(30606)=0.99986944094269
kQ(30606)=0.99973889893104
r1= : 3.7261765249173E-12
rpunto1 : = 4844225.6438992
rduepunti0 : = -1.5228743251859E+25
fil : = 488.12378196151
fipunto1 : = 8.9845843456502E+17
fi_gradi : = 27967.432586358
t1 : = 1.0809032233042E-14
tpunto1 : = 1.0006613443308
tduepunti0 : = -1.9717015836423E+15
v=v_elettrone : = 5890400.9978556
x0= : -1.4301399913792E-12
y0= : -3.4401825529943E-12
*****
i=30607
k(30607)=0.99986953717585
kQ(30607)=0.99973909137225
r1= : 3.726744649371E-12
rpunto1 : = 4842440.1275388
rduepunti0 : = -1.5224558781071E+25
fil : = 488.12388733154
fipunto1 : = 8.9818446138961E+17
fi_gradi : = 27967.438623616
t1 : = 1.0809032350398E-14
tpunto1 : = 1.000661113248
tduepunti0 : = -1.9703729894575E+15
v=v_elettrone : = 5888641.1316787
x0= : -1.429995490281E-12
y0= : -3.4408580895789E-12
*****
i=30608
k(30608)=0.99986963334711
kQ(30608)=0.99973928368969
r1= : 3.7273125644217E-12
rpunto1 : = 4840655.1015472
rduepunti0 : = -1.5220377555222E+25
fil : = 488.12399266944
fipunto1 : = 8.9791071444856E+17
fi_gradi : = 27967.444659034
t1 : = 1.0809032467754E-14
tpunto1 : = 1.000660882321
tduepunti0 : = -1.969045535862E+15
v=v_elettrone : = 5886881.9238166
x0= : -1.4298508929703E-12
y0= : -3.4415333945042E-12
```



```
*****
i=30609
k(30609)=0.99986972945652
kQ(30609)=0.99973947588346
r1= : 3.7278802701269E-12
rpunto1: = 4838870.565544
rduepunti0 : = -1.5216199571098E+25
fil : = 488.12409797523
fipunto1 : = 8.9763719349934E+17
fi_gradi : = 27967.450692611
t1 : = 1.080903258511E-14
tpunto1 : = 1.0006606515494
tduepunti0 : = -1.9677192214351E+15
v=v_elettrone : = 5885123.3764298
x0= : -1.429706199501E-12
y0= : -3.4422084678305E-12
*****
i=30610
k(30610)=0.99986982550413
kQ(30610)=0.99973966795367
r1= : 3.728447766544E-12
rpunto1: = 4837086.5191495
rduepunti0 : = -1.5212024825486E+25
fil : = 488.12420324895
fipunto1 : = 8.9736389829977E+17
fi_gradi : = 27967.456724351
t1 : = 1.0809032702466E-14
tpunto1 : = 1.0006604209333
tduepunti0 : = -1.9663940447583E+15
v=v_elettrone : = 5883365.4875356
x0= : -1.4295614099265E-12
y0= : -3.4428833096186E-12
*****
i=30611
k(30611)=0.99986992148999
kQ(30611)=0.9997398599004
r1= : 3.7290150537305E-12
rpunto1: = 4835302.9619843
rduepunti0 : = -1.520785331518E+25
fil : = 488.12430849062
fipunto1 : = 8.9709082860804E+17
fi_gradi : = 27967.462754254
t1 : = 1.0809032819823E-14
tpunto1 : = 1.0006601904725
tduepunti0 : = -1.9650700044152E+15
v=v_elettrone : = 5881608.2562023
x0= : -1.4294165243004E-12
y0= : -3.4435579199287E-12
*****
i=30612
k(30612)=0.99987001741415
kQ(30612)=0.99974005172377
r1= : 3.7295821317437E-12
rpunto1: = 4833519.8936694
rduepunti0 : = -1.5203685036977E+25
fil : = 488.12441370026
fipunto1 : = 8.9681798418266E+17
fi_gradi : = 27967.468782322
t1 : = 1.0809032937179E-14
tpunto1 : = 1.0006599601668
tduepunti0 : = -1.9637470989917E+15
v=v_elettrone : = 5879851.6835499
x0= : -1.4292715426765E-12
y0= : -3.4442322988213E-12
```

```
*****
i=30613
k(30613)=0.99987011327665
kQ(30613)=0.99974024342386
r1= : 3.7301490006411E-12
rpunto1: = 4831737.313826
rduepunti0 : = -1.519951998768E+25
fil : = 488.1245188779
fipunto1 : = 8.965453647825E+17
fi_gradi : = 27967.474808557
t1 : = 1.0809033054535E-14
tpunto1 : = 1.0006597300161
tduepunti0 : = -1.9624253270758E+15
v=v_elettrone : = 5878095.7676069
x0= : -1.4291264651082E-12
y0= : -3.4449064463566E-12
*****
i=30614
k(30614)=0.99987020907755
kQ(30614)=0.99974043500079
r1= : 3.7307156604797E-12
rpunto1: = 4829955.2220758
rduepunti0 : = -1.5195358164093E+25
fil : = 488.12462402357
fipunto1 : = 8.9627297016679E+17
fi_gradi : = 27967.480832961
t1 : = 1.0809033171891E-14
tpunto1 : = 1.0006595000203
tduepunti0 : = -1.9611046872577E+15
v=v_elettrone : = 5876340.5094839
x0= : -1.4289812916491E-12
y0= : -3.445580362595E-12
*****
i=30615
k(30615)=0.9998703048169
kQ(30615)=0.99974062645463
r1= : 3.731282111317E-12
rpunto1: = 4828173.6180409
rduepunti0 : = -1.5191199563027E+25
fil : = 488.12472913729
fipunto1 : = 8.9600080009509E+17
fi_gradi : = 27967.486855533
t1 : = 1.0809033289247E-14
tpunto1 : = 1.0006592701792
tduepunti0 : = -1.9597851781299E+15
v=v_elettrone : = 5874585.907223
x0= : -1.4288360223525E-12
y0= : -3.4462540475967E-12
*****
i=30616
k(30616)=0.99987040049474
kQ(30616)=0.99974081778551
r1= : 3.7318483532101E-12
rpunto1: = 4826392.5013437
rduepunti0 : = -1.5187044181298E+25
fil : = 488.12483421909
fipunto1 : = 8.9572885432732E+17
fi_gradi : = 27967.492876277
t1 : = 1.0809033406603E-14
tpunto1 : = 1.0006590404928
tduepunti0 : = -1.9584667982869E+15
v=v_elettrone : = 5872831.9619304
x0= : -1.4286906572719E-12
y0= : -3.4469275014219E-12
```

```
*****
i=30617
k(30617)=0.99987049611113
kQ(30617)=0.99974100899351
r1= : 3.7324143862162E-12
rpunto1: = 4824611.8716071
rduepunti0 : = -1.5182892015723E+25
fil : = 488.124939269
fipunto1 : = 8.9545713262374E+17
fi_gradi : = 27967.498895193
t1 : = 1.0809033523959E-14
tpunto1 : = 1.0006588109609
tduepunti0 : = -1.9571495463255E+15
v=v_elettrone : = 5871078.6726814
x0= : -1.4285451964605E-12
y0= : -3.4476007241307E-12
*****
i=30618
k(30618)=0.99987059166611
kQ(30618)=0.99974120007873
r1= : 3.7329802103923E-12
rpunto1: = 4822831.7284543
rduepunti0 : = -1.5178743063126E+25
fil : = 488.12504428704
fipunto1 : = 8.9518563474494E+17
fi_gradi : = 27967.504912284
t1 : = 1.0809033641315E-14
tpunto1 : = 1.0006585815833
tduepunti0 : = -1.9558334208445E+15
v=v_elettrone : = 5869326.038517
x0= : -1.4283996399716E-12
y0= : -3.4482737157834E-12
*****
i=30619
k(30619)=0.99987068715973
kQ(30619)=0.99974139104127
r1= : 3.7335458257956E-12
rpunto1: = 4821052.0715087
rduepunti0 : = -1.5174597320334E+25
fil : = 488.12514927325
fipunto1 : = 8.9491436045187E+17
fi_gradi : = 27967.51092755
t1 : = 1.0809033758671E-14
tpunto1 : = 1.0006583523599
tduepunti0 : = -1.9545184204451E+15
v=v_elettrone : = 5867574.0585048
x0= : -1.4282539878585E-12
y0= : -3.4489464764399E-12
*****
i=30620
k(30620)=0.99987078259204
kQ(30620)=0.99974158188123
r1= : 3.734111232483E-12
rpunto1: = 4819272.9003944
rduepunti0 : = -1.5170454784179E+25
fil : = 488.12525422763
fipunto1 : = 8.9464330950583E+17
fi_gradi : = 27967.516940994
t1 : = 1.0809033876027E-14
tpunto1 : = 1.0006581232906
tduepunti0 : = -1.9532045437306E+15
v=v_elettrone : = 5865822.7337579
x0= : -1.4281082401746E-12
y0= : -3.4496190061601E-12
```

```
*****
i=30621
k(30621)=0.9998708779631
kQ(30621)=0.9997417725987
r1= : 3.7346764305116E-12
rpunto1 : = 4817494.2147355
rduepunti0 : = -1.5166315451496E+25
fil : = 488.12535915023
fipunto1 : = 8.9437248166846E+17
fi_gradi : = 27967.522952616
t1 : = 1.0809033993382E-14
tpunto1 : = 1.0006578943753
tduepunti0 : = -1.9518917893062E+15
v=v_elettrone : = 5864072.0633385
x0= : -1.4279623969729E-12
y0= : -3.4502913050042E-12
*****
i=30622
k(30622)=0.99987097327295
kQ(30622)=0.99974196319379
r1= : 3.7352414199382E-12
rpunto1 : = 4815716.0141569
rduepunti0 : = -1.5162179319126E+25
fil : = 488.12546404107
fipunto1 : = 8.9410187670173E+17
fi_gradi : = 27967.528962418
t1 : = 1.0809034110738E-14
tpunto1 : = 1.0006576656138
tduepunti0 : = -1.9505801557796E+15
v=v_elettrone : = 5862322.0462987
x0= : -1.4278164583064E-12
y0= : -3.450963373032E-12
*****
i=30623
k(30623)=0.99987106852163
kQ(30623)=0.99974215366659
r1= : 3.7358062008198E-12
rpunto1 : = 4813938.2982836
rduepunti0 : = -1.5158046383913E+25
fil : = 488.12556890017
fipunto1 : = 8.9383149436796E+17
fi_gradi : = 27967.534970402
t1 : = 1.0809034228094E-14
tpunto1 : = 1.000657437006
tduepunti0 : = -1.9492696417605E+15
v=v_elettrone : = 5860572.6827363
x0= : -1.4276704242283E-12
y0= : -3.4516352103034E-12
*****
i=30624
k(30624)=0.99987116370921
kQ(30624)=0.9997423440172
r1= : 3.7363707732132E-12
rpunto1 : = 4812161.0667409
rduepunti0 : = -1.5153916642705E+25
fil : = 488.12567372756
fipunto1 : = 8.9356133442981E+17
fi_gradi : = 27967.540976569
t1 : = 1.080903434545E-14
tpunto1 : = 1.0006572085518
tduepunti0 : = -1.9479602458607E+15
v=v_elettrone : = 5858823.9716941
x0= : -1.4275242947916E-12
y0= : -3.4523068168782E-12
```

```
*****
i=30625
k(30625)=0.99987125883572
kQ(30625)=0.99974253424572
r1= : 3.7369351371753E-12
rpunto1: = 4810384.3191546
rduepunti0 : = -1.5149790092355E+25
fil : = 488.12577852326
fipunto1 : = 8.9329139665029E+17
fi_gradi : = 27967.546980921
t1 : = 1.0809034462806E-14
tpunto1 : = 1.000656980251
tduepunti0 : = -1.9466519666941E+15
v=v_elettrone : = 5857075.9143034
x0= : -1.4273780700494E-12
y0= : -3.4529781928162E-12
*****
i=30626
k(30626)=0.99987135390121
kQ(30626)=0.99974272435224
r1= : 3.7374992927626E-12
rpunto1: = 4808608.0551509
rduepunti0 : = -1.5145666729721E+25
fil : = 488.12588328731
fipunto1 : = 8.9302168079273E+17
fi_gradi : = 27967.552983458
t1 : = 1.0809034580161E-14
tpunto1 : = 1.0006567521035
tduepunti0 : = -1.9453448028769E+15
v=v_elettrone : = 5855328.5075432
x0= : -1.4272317500543E-12
y0= : -3.4536493381772E-12
*****
i=30627
k(30627)=0.99987144890574
kQ(30627)=0.99974291433687
r1= : 3.7380632400321E-12
rpunto1: = 4806832.2743563
rduepunti0 : = -1.5141546551662E+25
fil : = 488.12598801973
fipunto1 : = 8.9275218662083E+17
fi_gradi : = 27967.558984184
t1 : = 1.0809034697517E-14
tpunto1 : = 1.0006565241092
tduepunti0 : = -1.9440387530274E+15
v=v_elettrone : = 5853581.7525453
x0= : -1.4270853348596E-12
y0= : -3.4543202530208E-12
*****
i=30628
k(30628)=0.99987154384935
kQ(30628)=0.99974310419969
r1= : 3.7386269790403E-12
rpunto1: = 4805056.9763977
rduepunti0 : = -1.5137429555046E+25
fil : = 488.12609272054
fipunto1 : = 8.924829138986E+17
fi_gradi : = 27967.564983098
t1 : = 1.0809034814873E-14
tpunto1 : = 1.0006562962679
tduepunti0 : = -1.9427338157658E+15
v=v_elettrone : = 5851835.6493978
x0= : -1.426938824518E-12
y0= : -3.4549909374067E-12
```

```
*****
i=30629
k(30629)=0.9998716387321
kQ(30629)=0.99974329394081
r1= : 3.7391905098439E-12
rpunto1: = 4803282.1609023
rduepunti0 : = -1.513331573674E+25
fil : = 488.12619738977
fipunto1 : = 8.922138623904E+17
fi_gradi : = 27967.570980203
t1 : = 1.0809034932229E-14
tpunto1 : = 1.0006560685795
tduepunti0 : = -1.9414299897148E+15
v=v_elettrone : = 5850090.197141
x0= : -1.4267922190823E-12
y0= : -3.4556613913944E-12
*****
i=30630
k(30630)=0.99987173355402
kQ(30630)=0.99974348356032
r1= : 3.7397538324994E-12
rpunto1: = 4801507.8274978
rduepunti0 : = -1.5129205093619E+25
fil : = 488.12630202744
fipunto1 : = 8.9194503186094E+17
fi_gradi : = 27967.576975501
t1 : = 1.0809035049584E-14
tpunto1 : = 1.0006558410439
tduepunti0 : = -1.9401272734988E+15
v=v_elettrone : = 5848345.3948445
x0= : -1.4266455186051E-12
y0= : -3.4563316150437E-12
*****
i=30631
k(30631)=0.99987182831517
kQ(30631)=0.99974367305832
r1= : 3.7403169470634E-12
rpunto1: = 4799733.9758121
rduepunti0 : = -1.512509762256E+25
fil : = 488.12640663359
fipunto1 : = 8.9167642207524E+17
fi_gradi : = 27967.582968991
t1 : = 1.080903516694E-14
tpunto1 : = 1.000655613661
tduepunti0 : = -1.9388256657447E+15
v=v_elettrone : = 5846601.2425917
x0= : -1.4264987231393E-12
y0= : -3.4570016084138E-12
*****
i=30632
k(30632)=0.9998719230156
kQ(30632)=0.99974386243491
r1= : 3.7408798535925E-12
rpunto1: = 4797960.6054736
rduepunti0 : = -1.5120993320446E+25
fil : = 488.12651120824
fipunto1 : = 8.9140803279868E+17
fi_gradi : = 27967.588960677
t1 : = 1.0809035284295E-14
tpunto1 : = 1.0006553864306
tduepunti0 : = -1.9375251650813E+15
v=v_elettrone : = 5844857.7394342
x0= : -1.4263518327376E-12
y0= : -3.4576713715644E-12
```

```
*****
i=30633
k(30633)=0.99987201765535
kQ(30633)=0.99974405169018
r1= : 3.7414425521429E-12
rpunto1: = 4796187.716111
rduepunti0 : = -1.5116892184163E+25
fil : = 488.1266157514
fipunto1 : = 8.9113986379697E+17
fi_gradi : = 27967.59495056
t1 : = 1.0809035401651E-14
tpunto1 : = 1.0006551593525
tduepunti0 : = -1.9362257701395E+15
v=v_elettrone : = 5843114.8854495
x0= : -1.4262048474526E-12
y0= : -3.4583409045548E-12
*****
i=30634
k(30634)=0.99987211223447
kQ(30634)=0.99974424082423
r1= : 3.7420050427712E-12
rpunto1: = 4794415.3073534
rduepunti0 : = -1.5112794210601E+25
fil : = 488.12672026312
fipunto1 : = 8.9087191483615E+17
fi_gradi : = 27967.60093864
t1 : = 1.0809035519006E-14
tpunto1 : = 1.0006549324268
tduepunti0 : = -1.9349274795524E+15
v=v_elettrone : = 5841372.6807439
x0= : -1.4260577673369E-12
y0= : -3.4590102074443E-12
*****
i=30635
k(30635)=0.99987220675302
kQ(30635)=0.99974442983716
r1= : 3.7425673255338E-12
rpunto1: = 4792643.3788302
rduepunti0 : = -1.5108699396654E+25
fil : = 488.12682474342
fipunto1 : = 8.906041856826E+17
fi_gradi : = 27967.60692492
t1 : = 1.0809035636362E-14
tpunto1 : = 1.0006547056531
tduepunti0 : = -1.9336302919551E+15
v=v_elettrone : = 5839631.1243569
x0= : -1.425910592443E-12
y0= : -3.4596792802924E-12
*****
i=30636
k(30636)=0.99987230121104
kQ(30636)=0.99974461872905
r1= : 3.7431294004868E-12
rpunto1: = 4790871.9301712
rduepunti0 : = -1.5104607739222E+25
fil : = 488.12692919231
fipunto1 : = 8.9033667610303E+17
fi_gradi : = 27967.612909401
t1 : = 1.0809035753717E-14
tpunto1 : = 1.0006544790315
tduepunti0 : = -1.9323342059849E+15
v=v_elettrone : = 5837890.2153503
x0= : -1.4257633228234E-12
y0= : -3.4603481231582E-12
```

```
*****
i=30637
k(30637)=0.99987239560857
kQ(30637)=0.99974480750002
r1= : 3.7436912676867E-12
rpunto1: = 4789100.9610067
rduepunti0 : = -1.5100519235206E+25
fil : = 488.12703360983
fipunto1 : = 8.900693858645E+17
fi_gradi : = 27967.618892084
t1 : = 1.0809035871073E-14
tpunto1 : = 1.0006542525618
tduepunti0 : = -1.9310392202812E+15
v=v_elettrone : = 5836149.9538011
x0= : -1.4256159585305E-12
y0= : -3.4610167361011E-12
*****
i=30638
k(30638)=0.99987248994567
kQ(30638)=0.99974499615015
r1= : 3.7442529271897E-12
rpunto1: = 4787330.4709671
rduepunti0 : = -1.5096433881515E+25
fil : = 488.12713799601
fipunto1 : = 8.8980231473437E+17
fi_gradi : = 27967.624872971
t1 : = 1.0809035988428E-14
tpunto1 : = 1.0006540262437
tduepunti0 : = -1.9297453334853E+15
v=v_elettrone : = 5834410.339797
x0= : -1.425468499617E-12
y0= : -3.4616851191802E-12
*****
i=30639
k(30639)=0.99987258422238
kQ(30639)=0.99974518467954
r1= : 3.7448143790519E-12
rpunto1: = 4785560.4596834
rduepunti0 : = -1.5092351675058E+25
fil : = 488.12724235086
fipunto1 : = 8.8953546248038E+17
fi_gradi : = 27967.630852064
t1 : = 1.0809036105784E-14
tpunto1 : = 1.0006538000774
tduepunti0 : = -1.9284525442407E+15
v=v_elettrone : = 5832671.3724012
x0= : -1.4253209461349E-12
y0= : -3.4623532724547E-12
*****
i=30640
k(30640)=0.99987267843876
kQ(30640)=0.99974537308829
r1= : 3.7453756233294E-12
rpunto1: = 4783790.9267867
rduepunti0 : = -1.508827261275E+25
fil : = 488.12734667442
fipunto1 : = 8.8926882887055E+17
fi_gradi : = 27967.636829363
t1 : = 1.0809036223139E-14
tpunto1 : = 1.0006535740624
tduepunti0 : = -1.9271608511931E+15
v=v_elettrone : = 5830933.0506539
x0= : -1.4251732981366E-12
y0= : -3.4630211959836E-12
```



```
*****
i=30641
k(30641)=0.99987277259484
kQ(30641)=0.99974556137649
r1= : 3.7459366600785E-12
rpunto1: = 4782021.8719088
rduepunti0 : = -1.5084196691512E+25
fil : = 488.1274509667
fipunto1 : = 8.8900241367326E+17
fi_gradi : = 27967.642804871
t1 : = 1.0809036340494E-14
tpunto1 : = 1.0006533481989
tduepunti0 : = -1.9258702529902E+15
v=v_elettrone : = 5829195.375677
x0= : -1.4250255556746E-12
y0= : -3.4636888898261E-12
*****
i=30642
k(30642)=0.99987286669068
kQ(30642)=0.99974574954424
r1= : 3.7464974893551E-12
rpunto1: = 4780253.2946815
rduepunti0 : = -1.5080123908266E+25
fil : = 488.12755522775
fipunto1 : = 8.8873621665723E+17
fi_gradi : = 27967.648778589
t1 : = 1.080903645785E-14
tpunto1 : = 1.0006531224866
tduepunti0 : = -1.9245807482816E+15
v=v_elettrone : = 5827458.3454859
x0= : -1.4248777188009E-12
y0= : -3.4643563540411E-12
*****
i=30643
k(30643)=0.99987296072633
kQ(30643)=0.99974593759163
r1= : 3.7470581112153E-12
rpunto1: = 4778485.1947373
rduepunti0 : = -1.507605425994E+25
fil : = 488.12765945757
fipunto1 : = 8.8847023759149E+17
fi_gradi : = 27967.654750518
t1 : = 1.0809036575205E-14
tpunto1 : = 1.0006528969254
tduepunti0 : = -1.9232923357191E+15
v=v_elettrone : = 5825721.961213
x0= : -1.4247297875678E-12
y0= : -3.4650235886875E-12
*****
i=30644
k(30644)=0.99987305470183
kQ(30644)=0.99974612551876
r1= : 3.7476185257151E-12
rpunto1: = 4776717.5717088
rduepunti0 : = -1.5071987743465E+25
fil : = 488.1277636562
fipunto1 : = 8.8820447624542E+17
fi_gradi : = 27967.660720659
t1 : = 1.080903669256E-14
tpunto1 : = 1.0006526715151
tduepunti0 : = -1.9220050139567E+15
v=v_elettrone : = 5823986.2208613
x0= : -1.4245817620273E-12
y0= : -3.4656905938245E-12
```

```
*****
i=30645
k(30645)=0.99987314861723
kQ(30645)=0.99974631332572
r1= : 3.7481787329103E-12
rpunto1: = 4774950.4252292
rduepunti0 : = -1.5067924355777E+25
fil : = 488.12786782366
fipunto1 : = 8.8793893238869E+17
fi_gradi : = 27967.666689015
t1 : = 1.0809036809916E-14
tpunto1 : = 1.0006524462557
tduepunti0 : = -1.9207187816503E+15
v=v_elettrone : = 5822251.1245149
x0= : -1.4244336422317E-12
y0= : -3.4663573695107E-12
*****
i=30646
k(30646)=0.99987324247257
kQ(30646)=0.99974650101262
r1= : 3.7487387328569E-12
rpunto1: = 4773183.7549317
rduepunti0 : = -1.5063864093815E+25
fil : = 488.12797195998
fipunto1 : = 8.8767360579135E+17
fi_gradi : = 27967.672655587
t1 : = 1.0809036927271E-14
tpunto1 : = 1.0006522211471
tduepunti0 : = -1.9194336374579E+15
v=v_elettrone : = 5820516.6722701
x0= : -1.4242854282329E-12
y0= : -3.4670239158051E-12
*****
i=30647
k(30647)=0.99987333626792
kQ(30647)=0.99974668857953
r1= : 3.7492985256107E-12
rpunto1: = 4771417.5604503
rduepunti0 : = -1.5059806954523E+25
fil : = 488.12807606518
fipunto1 : = 8.8740849622374E+17
fi_gradi : = 27967.678620375
t1 : = 1.0809037044626E-14
tpunto1 : = 1.000651996189
tduepunti0 : = -1.9181495800394E+15
v=v_elettrone : = 5818782.8631685
x0= : -1.4241371200831E-12
y0= : -3.4676902327663E-12
*****
i=30648
k(30648)=0.9998734300033
kQ(30648)=0.99974687602657
r1= : 3.7498581112275E-12
rpunto1: = 4769651.841419
rduepunti0 : = -1.5055752934849E+25
fil : = 488.12818013928
fipunto1 : = 8.8714360345655E+17
fi_gradi : = 27967.684583383
t1 : = 1.0809037161981E-14
tpunto1 : = 1.0006517713814
tduepunti0 : = -1.9168666080571E+15
v=v_elettrone : = 5817049.6973016
x0= : -1.4239887178341E-12
y0= : -3.4683563204532E-12
```

```
*****
i=30649
k(30649)=0.99987352367878
kQ(30649)=0.99974706335381
r1= : 3.7504174897631E-12
rpunto1: = 4767886.5974723
rduepunti0 : = -1.5051702031744E+25
fil : = 488.12828418233
fipunto1 : = 8.8687892726078E+17
fi_gradi : = 27967.69054461
t1 : = 1.0809037279336E-14
tpunto1 : = 1.0006515467241
tduepunti0 : = -1.915584720175E+15
v=v_elettrone : = 5815317.1737075
x0= : -1.423840221538E-12
y0= : -3.4690221789244E-12
*****
i=30650
k(30650)=0.99987361729439
kQ(30650)=0.99974725056137
r1= : 3.7509766612732E-12
rpunto1: = 4766121.828245
rduepunti0 : = -1.5047654242165E+25
fil : = 488.12838819433
fipunto1 : = 8.8661446740777E+17
fi_gradi : = 27967.696504059
t1 : = 1.0809037396691E-14
tpunto1 : = 1.0006513222171
tduepunti0 : = -1.9143039150593E+15
v=v_elettrone : = 5813585.2924831
x0= : -1.4236916312466E-12
y0= : -3.4696878082386E-12
*****
i=30651
k(30651)=0.99987371085019
kQ(30651)=0.99974743764933
r1= : 3.7515356258135E-12
rpunto1: = 4764357.5333725
rduepunti0 : = -1.5043609563071E+25
fil : = 488.12849217532
fipunto1 : = 8.8635022366918E+17
fi_gradi : = 27967.70246173
t1 : = 1.0809037514046E-14
tpunto1 : = 1.0006510978601
tduepunti0 : = -1.9130241913783E+15
v=v_elettrone : = 5811854.0537086
x0= : -1.4235429470118E-12
y0= : -3.4703532084544E-12
*****
i=30652
k(30652)=0.99987380434622
kQ(30652)=0.99974762461779
r1= : 3.7520943834396E-12
rpunto1: = 4762593.7124902
rduepunti0 : = -1.5039567991426E+25
fil : = 488.12859612531
fipunto1 : = 8.8608619581698E+17
fi_gradi : = 27967.708417626
t1 : = 1.0809037631401E-14
tpunto1 : = 1.0006508736531
tduepunti0 : = -1.9117455478021E+15
v=v_elettrone : = 5810123.4553937
x0= : -1.4233941688852E-12
y0= : -3.4710183796303E-12
```

```
*****
i=30653
k(30653)=0.99987389778253
kQ(30653)=0.99974781146684
r1= : 3.7526529342071E-12
rpunto1: = 4760830.365234
rduerpuntio : = -1.5035529524198E+25
fil : = 488.12870004434
fipunto1 : = 8.858223836235E+17
fi_gradi : = 27967.714371748
t1 : = 1.0809037748756E-14
tpunto1 : = 1.0006506495959
tduerpuntio : = -1.9104679830032E+15
v=v_elettrone : = 5808393.4986646
x0= : -1.4232452969187E-12
y0= : -3.471683321825E-12
*****
i=30654
k(30654)=0.99987399115917
kQ(30654)=0.99974799819657
r1= : 3.7532112781715E-12
rpunto1: = 4759067.4912403
rduerpuntio : = -1.503149415836E+25
fil : = 488.12880393243
fipunto1 : = 8.8555878686137E+17
fi_gradi : = 27967.720324097
t1 : = 1.0809037866111E-14
tpunto1 : = 1.0006504256884
tduerpuntio : = -1.9091914956557E+15
v=v_elettrone : = 5806664.1825745
x0= : -1.423096331164E-12
y0= : -3.4723480350968E-12
*****
i=30655
k(30655)=0.99987408447618
kQ(30655)=0.99974818480709
r1= : 3.7537694153883E-12
rpunto1: = 4757305.0901457
rduerpuntio : = -1.5027461890886E+25
fil : = 488.12890778961
fipunto1 : = 8.8529540530354E+17
fi_gradi : = 27967.726274675
t1 : = 1.0809037983466E-14
tpunto1 : = 1.0006502019305
tduerpuntio : = -1.907916084436E+15
v=v_elettrone : = 5804935.5061446
x0= : -1.4229472716728E-12
y0= : -3.4730125195041E-12
*****
i=30656
k(30656)=0.99987417773362
kQ(30656)=0.99974837129848
r1= : 3.7543273459131E-12
rpunto1: = 4755543.161587
rduerpuntio : = -1.5023432718757E+25
fil : = 488.1290116159
fipunto1 : = 8.8503223872329E+17
fi_gradi : = 27967.732223483
t1 : = 1.0809038100821E-14
tpunto1 : = 1.000649978322
tduerpuntio : = -1.9066417480225E+15
v=v_elettrone : = 5803207.4694925
x0= : -1.4227981184967E-12
y0= : -3.4736767751055E-12
```

```
*****
i=30657
k(30657)=0.99987427093152
kQ(30657)=0.99974855767083
r1= : 3.7548850698011E-12
rpunto1: = 4753781.7052018
rduepunti0 : = -1.5019406638958E+25
fil : = 488.12911541132
fipunto1 : = 8.8476928689423E+17
fi_gradi : = 27967.738170523
t1 : = 1.0809038218176E-14
tpunto1 : = 1.0006497548629
tduepunti0 : = -1.9053684850955E+15
v=v_elettrone : = 5801480.072681
x0= : -1.4226488716873E-12
y0= : -3.4743408019591E-12
*****
i=30658
k(30658)=0.99987436406993
kQ(30658)=0.99974874392425
r1= : 3.7554425871079E-12
rpunto1: = 4752020.7206276
rduepunti0 : = -1.5015383648475E+25
fil : = 488.12921917591
fipunto1 : = 8.8450654959028E+17
fi_gradi : = 27967.744115796
t1 : = 1.0809038335531E-14
tpunto1 : = 1.000649531553
tduepunti0 : = -1.9040962943374E+15
v=v_elettrone : = 5799753.3137167
x0= : -1.4224995312961E-12
y0= : -3.4750046001233E-12
*****
i=30659
k(30659)=0.99987445714891
kQ(30659)=0.99974893005883
r1= : 3.7559998978887E-12
rpunto1: = 4750260.2075026
rduepunti0 : = -1.5011363744301E+25
fil : = 488.12932290968
fipunto1 : = 8.8424402658569E+17
fi_gradi : = 27967.750059303
t1 : = 1.0809038452886E-14
tpunto1 : = 1.0006493083921
tduepunti0 : = -1.9028251744326E+15
v=v_elettrone : = 5798027.1947883
x0= : -1.4223500973748E-12
y0= : -3.4756681696563E-12
*****
i=30660
k(30660)=0.9998745501685
kQ(30660)=0.99974911607465
r1= : 3.7565570021988E-12
rpunto1: = 4748500.165465
rduepunti0 : = -1.5007346923432E+25
fil : = 488.12942661267
fipunto1 : = 8.8398171765501E+17
fi_gradi : = 27967.756001047
t1 : = 1.0809038570241E-14
tpunto1 : = 1.0006490853802
tduepunti0 : = -1.9015551240675E+15
v=v_elettrone : = 5796301.7128297
x0= : -1.4222005699746E-12
y0= : -3.4763315106163E-12
```

```
*****
i=30661
k(30661)=0.99987464312874
kQ(30661)=0.99974930197182
r1= : 3.7571139000935E-12
rpunto1 : = 4746740.5941537
rduepunti0 : = -1.5003333182868E+25
fil : = 488.12953028489
fipunto1 : = 8.8371962257315E+17
fi_gradi : = 27967.761941027
t1 : = 1.0809038687596E-14
tpunto1 : = 1.0006488625171
tduepunti0 : = -1.9002861419304E+15
v=v_elettrone : = 5794576.8700287
x0= : -1.4220509491471E-12
y0= : -3.4769946230615E-12
*****
i=30662
k(30662)=0.99987473602968
kQ(30662)=0.99974948775043
r1= : 3.757670591628E-12
rpunto1 : = 4744981.4932078
rduepunti0 : = -1.4999322519612E+25
fil : = 488.12963392637
fipunto1 : = 8.834577411153E+17
fi_gradi : = 27967.767879247
t1 : = 1.0809038804951E-14
tpunto1 : = 1.0006486398028
tduepunti0 : = -1.8990182267118E+15
v=v_elettrone : = 5792852.6633322
x0= : -1.4219012349434E-12
y0= : -3.4776575070502E-12
*****
i=30663
k(30663)=0.99987482887138
kQ(30663)=0.99974967341056
r1= : 3.7582270768574E-12
rpunto1 : = 4743222.8622666
rduepunti0 : = -1.4995314930672E+25
fil : = 488.12973753714
fipunto1 : = 8.83196073057E+17
fi_gradi : = 27967.773815707
t1 : = 1.0809038922305E-14
tpunto1 : = 1.000648417237
tduepunti0 : = -1.8977513771041E+15
v=v_elettrone : = 5791129.0938777
x0= : -1.4217514274152E-12
y0= : -3.4783201626401E-12
*****
i=30664
k(30664)=0.99987492165386
kQ(30664)=0.99974985895232
r1= : 3.7587833558369E-12
rpunto1 : = 4741464.70097
rduepunti0 : = -1.4991310413061E+25
fil : = 488.12984111722
fipunto1 : = 8.8293461817407E+17
fi_gradi : = 27967.779750408
t1 : = 1.080903903966E-14
tpunto1 : = 1.0006481948196
tduepunti0 : = -1.8964855918015E+15
v=v_elettrone : = 5789406.1617459
x0= : -1.4216015266136E-12
y0= : -3.4789825898895E-12
```

```
*****
i=30665
k(30665)=0.99987501437719
kQ(30665)=0.99975004437579
r1= : 3.7593394286215E-12
rpunto1: = 4739707.0089582
rduepunti0 : = -1.4987308963794E+25
fil : = 488.12994466664
fipunto1 : = 8.8267337624269E+17
fi_gradi : = 27967.785683353
t1 : = 1.0809039157015E-14
tpunto1 : = 1.0006479725506
tduepunti0 : = -1.8952208695005E+15
v=v_elettrone : = 5787683.8649324
x0= : -1.4214515325897E-12
y0= : -3.4796447888563E-12
*****
i=30666
k(30666)=0.99987510704141
kQ(30666)=0.99975022968108
r1= : 3.7598952952663E-12
rpunto1: = 4737949.7858716
rduepunti0 : = -1.4983310579891E+25
fil : = 488.13004818542
fipunto1 : = 8.8241234703934E+17
fi_gradi : = 27967.791614542
t1 : = 1.0809039274369E-14
tpunto1 : = 1.0006477504298
tduepunti0 : = -1.8939572088993E+15
v=v_elettrone : = 5785962.2035351
x0= : -1.4213014453949E-12
y0= : -3.4803067595984E-12
*****
i=30667
k(30667)=0.99987519964657
kQ(30667)=0.99975041486826
r1= : 3.7604509558262E-12
rpunto1: = 4736193.0313511
rduepunti0 : = -1.4979315258374E+25
fil : = 488.13015167359
fipunto1 : = 8.8215153034081E+17
fi_gradi : = 27967.797543977
t1 : = 1.0809039391724E-14
tpunto1 : = 1.000647528457
tduepunti0 : = -1.8926946086984E+15
v=v_elettrone : = 5784241.1786697
x0= : -1.4211512650804E-12
y0= : -3.4809685021737E-12
*****
i=30668
k(30668)=0.9998752921927
kQ(30668)=0.99975059993744
r1= : 3.7610064103563E-12
rpunto1: = 4734436.7450379
rduepunti0 : = -1.4975322996273E+25
fil : = 488.13025513117
fipunto1 : = 8.8189092592421E+17
fi_gradi : = 27967.80347166
t1 : = 1.0809039509079E-14
tpunto1 : = 1.0006473066322
tduepunti0 : = -1.8914330675999E+15
v=v_elettrone : = 5782520.7883441
x0= : -1.4210009916972E-12
y0= : -3.4816300166402E-12
```

```
*****
i=30669
k(30669)=0.99987538467986
kQ(30669)=0.9997507848887
r1= : 3.7615616589114E-12
rpunto1 : = 4732680.9265735
rduepunti0 : = -1.4971333790618E+25
fil : = 488.13035855818
fipunto1 : = 8.8163053356697E+17
fi_gradi : = 27967.809397591
t1 : = 1.0809039626433E-14
tpunto1 : = 1.0006470849552
tduepunti0 : = -1.8901725843082E+15
v=v_elettrone : = 5780801.0326361
x0= : -1.4208506252964E-12
y0= : -3.4822913030555E-12
*****
i=30670
k(30670)=0.9998754771081
kQ(30670)=0.99975096972215
r1= : 3.7621167015464E-12
rpunto1 : = 4730925.5755998
rduepunti0 : = -1.4967347638444E+25
fil : = 488.13046195466
fipunto1 : = 8.8137035304683E+17
fi_gradi : = 27967.815321773
t1 : = 1.0809039743788E-14
tpunto1 : = 1.000646863426
tduepunti0 : = -1.8889131575295E+15
v=v_elettrone : = 5779081.9105856
x0= : -1.420700165929E-12
y0= : -3.4829523614775E-12
*****
i=30671
k(30671)=0.99987556947746
kQ(30671)=0.99975115443787
r1= : 3.7626715383162E-12
rpunto1 : = 4729170.6917591
rduepunti0 : = -1.4963364536791E+25
fil : = 488.13056532062
fipunto1 : = 8.8111038414186E+17
fi_gradi : = 27967.821244207
t1 : = 1.0809039861142E-14
tpunto1 : = 1.0006466420443
tduepunti0 : = -1.8876547859719E+15
v=v_elettrone : = 5777363.4233301
x0= : -1.4205496136461E-12
y0= : -3.4836131919639E-12
*****
i=30672
k(30672)=0.99987566178798
kQ(30672)=0.99975133903595
r1= : 3.7632261692755E-12
rpunto1 : = 4727416.2746939
rduepunti0 : = -1.4959384482703E+25
fil : = 488.1306686561
fipunto1 : = 8.8085062663042E+17
fi_gradi : = 27967.827164893
t1 : = 1.0809039978497E-14
tpunto1 : = 1.0006464208101
tduepunti0 : = -1.8863974683457E+15
v=v_elettrone : = 5775645.5688622
x0= : -1.4203989684985E-12
y0= : -3.4842737945723E-12
```



```
*****
i=30673
k(30673)=0.99987575403972
kQ(30673)=0.99975152351649
r1= : 3.763780594479E-12
rpunto1 : = 4725662.3240472
rduepunti0 : = -1.4955407473225E+25
fil : = 488.13077196111
fipunto1 : = 8.805910802912E+17
fi_gradi : = 27967.833083834
t1 : = 1.0809040095852E-14
tpunto1 : = 1.0006461997232
tduepunti0 : = -1.8851412033628E+15
v=v_elettrone : = 5773928.347253
x0= : -1.4202482305372E-12
y0= : -3.4849341693604E-12
*****
i=30674
k(30674)=0.99987584623271
kQ(30674)=0.99975170787958
r1= : 3.7643348139815E-12
rpunto1 : = 4723908.8394622
rduepunti0 : = -1.495143350541E+25
fil : = 488.13087523568
fipunto1 : = 8.8033174490319E+17
fi_gradi : = 27967.839001031
t1 : = 1.0809040213206E-14
tpunto1 : = 1.0006459787835
tduepunti0 : = -1.8838859897375E+15
v=v_elettrone : = 5772211.7586158
x0= : -1.4200973998131E-12
y0= : -3.4855943163858E-12
*****
i=30675
k(30675)=0.99987593836701
kQ(30675)=0.99975189212531
r1= : 3.7648888278376E-12
rpunto1 : = 4722155.8205827
rduepunti0 : = -1.4947462576312E+25
fil : = 488.13097847983
fipunto1 : = 8.8007262024571E+17
fi_gradi : = 27967.844916486
t1 : = 1.080904033056E-14
tpunto1 : = 1.0006457579909
tduepunti0 : = -1.8826318261856E+15
v=v_elettrone : = 5770495.8019685
x0= : -1.4199464763769E-12
y0= : -3.486254235706E-12
*****
i=30676
k(30676)=0.99987603044266
kQ(30676)=0.99975207625377
r1= : 3.765442636102E-12
rpunto1 : = 4720403.2670524
rduepunti0 : = -1.494349468299E+25
fil : = 488.1310816936
fipunto1 : = 8.7981370609839E+17
fi_gradi : = 27967.850830199
t1 : = 1.0809040447915E-14
tpunto1 : = 1.0006455373452
tduepunti0 : = -1.8813787114251E+15
v=v_elettrone : = 5768780.4773886
x0= : -1.4197954602796E-12
y0= : -3.4869139273785E-12
```

```
*****
i=30677
k(30677)=0.9998761224597
kQ(30677)=0.99975226026505
r1= : 3.7659962388291E-12
rpunto1:= 4718651.1785159
rduepunti0 := -1.4939529822507E+25
fil := 488.131184877
fipunto1 := 8.7955500224115E+17
fi_gradi := 27967.856742172
t1 := 1.0809040565269E-14
tpunto1 := 1.0006453168464
tduepunti0 := -1.880126644176E+15
v=v_elettrone := 5767065.7849852
x0= : -1.4196443515717E-12
y0= : -3.4875733914608E-12
*****
i=30678
k(30678)=0.99987621441819
kQ(30678)=0.99975244415926
r1= : 3.7665496360736E-12
rpunto1:= 4716899.5546176
rduepunti0 := -1.4935567991928E+25
fil := 488.13128803006
fipunto1 := 8.7929650845424E+17
fi_gradi := 27967.862652407
t1 := 1.0809040682624E-14
tpunto1 := 1.0006450964944
tduepunti0 := -1.87887562316E+15
v=v_elettrone := 5765351.7227357
x0= : -1.4194931503038E-12
y0= : -3.4882326280103E-12
*****
i=30679
k(30679)=0.99987630631817
kQ(30679)=0.99975262793647
r1= : 3.76710282789E-12
rpunto1:= 4715148.3950027
rduepunti0 := -1.4931609188325E+25
fil := 488.13139115281
fipunto1 := 8.7903822451822E+17
fi_gradi := 27967.868560906
t1 := 1.0809040799978E-14
tpunto1 := 1.0006448762889
tduepunti0 := -1.877625647101E+15
v=v_elettrone := 5763638.2907211
x0= : -1.4193418565268E-12
y0= : -3.4888916370844E-12
*****
i=30680
k(30680)=0.99987639815968
kQ(30680)=0.99975281159677
r1= : 3.7676558143326E-12
rpunto1:= 4713397.6993164
rduepunti0 := -1.4927653408771E+25
fil := 488.13149424526
fipunto1 := 8.7878015021395E+17
fi_gradi := 27967.874467668
t1 := 1.0809040917332E-14
tpunto1 := 1.0006446562299
tduepunti0 := -1.8763767147246E+15
v=v_elettrone := 5761925.4900871
x0= : -1.4191904702914E-12
y0= : -3.4895504187403E-12
```

```
*****
i=30681
k(30681)=0.99987648994277
kQ(30681)=0.99975299514027
r1= : 3.7682085954559E-12
rpunto1 : = 4711647.4672044
rduepunti0 : = -1.4923700650345E+25
fil : = 488.13159730745
fipunto1 : = 8.785222853226E+17
fi_gradi : = 27967.880372696
t1 : = 1.0809041034687E-14
tpunto1 : = 1.0006444363172
tduepunti0 : = -1.8751288247585E+15
v=v_elettrone : = 5760213.3188063
x0= : -1.4190389916479E-12
y0= : -3.4902089730354E-12
*****
i=30682
k(30682)=0.99987658166749
kQ(30682)=0.99975317856706
r1= : 3.7687611713143E-12
rpunto1 : = 4709897.6983128
rduepunti0 : = -1.4919750910128E+25
fil : = 488.1317003394
fipunto1 : = 8.7826462962567E+17
fi_gradi : = 27967.886275992
t1 : = 1.0809041152041E-14
tpunto1 : = 1.0006442165508
tduepunti0 : = -1.8738819759321E+15
v=v_elettrone : = 5758501.776985
x0= : -1.4188874206469E-12
y0= : -3.490867300027E-12
*****
i=30683
k(30683)=0.99987667333387
kQ(30683)=0.99975336187721
r1= : 3.7693135419621E-12
rpunto1 : = 4708148.392288
rduepunti0 : = -1.4915804185207E+25
fil : = 488.13180334113
fipunto1 : = 8.7800718290493E+17
fi_gradi : = 27967.892177556
t1 : = 1.0809041269395E-14
tpunto1 : = 1.0006439969305
tduepunti0 : = -1.8726361669771E+15
v=v_elettrone : = 5756790.8646786
x0= : -1.418735757339E-12
y0= : -3.4915253997721E-12
*****
i=30684
k(30684)=0.99987676494198
kQ(30684)=0.99975354507083
r1= : 3.7698657074536E-12
rpunto1 : = 4706399.5487766
rduepunti0 : = -1.491186047267E+25
fil : = 488.13190631266
fipunto1 : = 8.777499449425E+17
fi_gradi : = 27967.898077391
t1 : = 1.0809041386749E-14
tpunto1 : = 1.0006437774561
tduepunti0 : = -1.8713913966267E+15
v=v_elettrone : = 5755080.580954
x0= : -1.4185840017746E-12
y0= : -3.4921832723281E-12
```

```
*****
i=30685
k(30685)=0.99987685649184
kQ(30685)=0.999753728148
r1= : 3.7704176678429E-12
rpunto1:= 4704651.1674258
rduepunti0 : = -1.4907919769612E+25
fil : = 488.13200925403
fipunto1 : = 8.7749291552077E+17
fi_gradi : = 27967.903975497
t1 : = 1.0809041504104E-14
tpunto1 : = 1.0006435581276
tduepunti0 : = -1.8701476636163E+15
v=v_elettrone : = 5753370.92482
x0= : -1.418432154004E-12
y0= : -3.4928409177519E-12
*****
i=30686
k(30686)=0.99987694798351
kQ(30686)=0.99975391110882
r1= : 3.7709694231844E-12
rpunto1:= 4702903.2478828
rduepunti0 : = -1.4903982073129E+25
fil : = 488.13211216525
fipunto1 : = 8.7723609442247E+17
fi_gradi : = 27967.909871875
t1 : = 1.0809041621458E-14
tpunto1 : = 1.0006433389449
tduepunti0 : = -1.8689049666831E+15
v=v_elettrone : = 5751661.8974299
x0= : -1.4182802140777E-12
y0= : -3.4934983361006E-12
*****
i=30687
k(30687)=0.99987703941704
kQ(30687)=0.99975409395338
r1= : 3.7715209735322E-12
rpunto1:= 4701155.7897954
rduepunti0 : = -1.4900047380322E+25
fil : = 488.13221504635
fipunto1 : = 8.769794814306E+17
fi_gradi : = 27967.915766528
t1 : = 1.0809041738812E-14
tpunto1 : = 1.0006431199078
tduepunti0 : = -1.8676633045661E+15
v=v_elettrone : = 5749953.4978051
x0= : -1.418128182046E-12
y0= : -3.4941555274313E-12
*****
i=30688
k(30688)=0.99987713079246
kQ(30688)=0.99975427668177
r1= : 3.7720723189404E-12
rpunto1:= 4699408.7928118
rduepunti0 : = -1.4896115688297E+25
fil : = 488.13231789736
fipunto1 : = 8.767230763285E+17
fi_gradi : = 27967.921659457
t1 : = 1.0809041856166E-14
tpunto1 : = 1.0006429010162
tduepunti0 : = -1.8664226760066E+15
v=v_elettrone : = 5748245.724986
x0= : -1.4179760579591E-12
y0= : -3.494812491801E-12
```

```
*****
i=30689
k(30689)=0.99987722210983
kQ(30689)=0.99975445929407
r1= : 3.772623459463E-12
rpunto1:= 4697662.2565803
rduepunti0 := -1.4892186994161E+25
fil := 488.1324207183
fipunto1 := 8.7646687889979E+17
fi_gradi := 27967.927550663
t1 := 1.080904197352E-14
tpunto1 := 1.00064268227
tduepunti0 := -1.8651830797472E+15
v=v_elettrone := 5746538.5790612
x0= : -1.4178238418672E-12
y0= : -3.4954692292665E-12
*****
i=30690
k(30690)=0.99987731336918
kQ(30690)=0.99975464179038
r1= : 3.7731743951542E-12
rpunto1:= 4695916.1807496
rduepunti0 := -1.4888261295028E+25
fil := 488.13252350919
fipunto1 := 8.762108889284E+17
fi_gradi := 27967.933440147
t1 := 1.0809042090874E-14
tpunto1 := 1.000642463669
tduepunti0 := -1.8639445145329E+15
v=v_elettrone := 5744832.0590582
x0= : -1.4176715338207E-12
y0= : -3.4961257398849E-12
*****
i=30691
k(30691)=0.99987740457057
kQ(30691)=0.99975482417079
r1= : 3.7737251260679E-12
rpunto1:= 4694170.5649689
rduepunti0 := -1.4884338588014E+25
fil := 488.13262627006
fipunto1 := 8.7595510619859E+17
fi_gradi := 27967.939327911
t1 := 1.0809042208228E-14
tpunto1 := 1.0006422452131
tduepunti0 := -1.8627069791104E+15
v=v_elettrone := 5743126.1650633
x0= : -1.4175191338696E-12
y0= : -3.4967820237128E-12
*****
i=30692
k(30692)=0.99987749571404
kQ(30692)=0.99975500643538
r1= : 3.774275652258E-12
rpunto1:= 4692425.4088876
rduepunti0 := -1.4880418870238E+25
fil := 488.13272900093
fipunto1 := 8.7569953049488E+17
fi_gradi := 27967.945213956
t1 := 1.0809042325582E-14
tpunto1 := 1.0006420269023
tduepunti0 := -1.8614704722283E+15
v=v_elettrone := 5741420.897158
x0= : -1.4173666420642E-12
y0= : -3.4974380808071E-12
```

```
*****
i=30693
k(30693)=0.99987758679963
kQ(30693)=0.99975518858426
r1= : 3.7748259737785E-12
rpunto1 : = 4690680.7121554
rduepunti0 : = -1.4876502138824E+25
fil : = 488.13283170182
fipunto1 : = 8.7544416160213E+17
fi_gradi : = 27967.951098284
t1 : = 1.0809042442936E-14
tpunto1 : = 1.0006418087364
tduepunti0 : = -1.860234992637E+15
v=v_elettrone : = 5739716.2543833
x0= : -1.4172140584544E-12
y0= : -3.4980939112246E-12
*****
i=30694
k(30694)=0.9998776778274
kQ(30694)=0.99975537061751
r1= : 3.7753760906833E-12
rpunto1 : = 4688936.4744224
rduepunti0 : = -1.48725883909E+25
fil : = 488.13293437277
fipunto1 : = 8.7518899930548E+17
fi_gradi : = 27967.956980896
t1 : = 1.080904256029E-14
tpunto1 : = 1.0006415907152
tduepunti0 : = -1.8590005390889E+15
v=v_elettrone : = 5738012.2368078
x0= : -1.4170613830904E-12
y0= : -3.498749515022E-12
*****
i=30695
k(30695)=0.99987776879737
kQ(30695)=0.99975555253521
r1= : 3.7759260030261E-12
rpunto1 : = 4687192.6953392
rduepunti0 : = -1.4868677623597E+25
fil : = 488.13303701379
fipunto1 : = 8.7493404339037E+17
fi_gradi : = 27967.962861794
t1 : = 1.0809042677644E-14
tpunto1 : = 1.0006413728387
tduepunti0 : = -1.8577671103383E+15
v=v_elettrone : = 5736308.8434852
x0= : -1.4169086160219E-12
y0= : -3.4994048922561E-12
*****
i=30696
k(30696)=0.99987785970961
kQ(30696)=0.99975573433746
r1= : 3.7764757108608E-12
rpunto1 : = 4685449.3745564
rduepunti0 : = -1.4864769834051E+25
fil : = 488.13313962491
fipunto1 : = 8.7467929364257E+17
fi_gradi : = 27967.968740978
t1 : = 1.0809042794998E-14
tpunto1 : = 1.0006411551068
tduepunti0 : = -1.8565347051413E+15
v=v_elettrone : = 5734606.0744829
x0= : -1.4167557572991E-12
y0= : -3.5000600429834E-12
```

```
*****
i=30697
k(30697)=0.99987795056414
kQ(30697)=0.99975591602435
r1= : 3.7770252142411E-12
rpunto1: = 4683706.5117251
rduepunti0 : = -1.4860865019399E+25
fil : = 488.13324220616
fipunto1 : = 8.7442474984811E+17
fi_gradi : = 27967.97461845
t1 : = 1.0809042912352E-14
tpunto1 : = 1.0006409375192
tduepunti0 : = -1.8553033222559E+15
v=v_elettrone : = 5732903.9288361
x0= : -1.4166028069717E-12
y0= : -3.5007149672605E-12
*****
i=30698
k(30698)=0.99987804136103
kQ(30698)=0.99975609759597
r1= : 3.7775745132208E-12
rpunto1: = 4681964.1064968
rduepunti0 : = -1.4856963176785E+25
fil : = 488.13334475755
fipunto1 : = 8.7417041179336E+17
fi_gradi : = 27967.980494212
t1 : = 1.0809043029706E-14
tpunto1 : = 1.000640720076
tduepunti0 : = -1.8540729604419E+15
v=v_elettrone : = 5731202.4076862
x0= : -1.4164497650898E-12
y0= : -3.501369665144E-12
*****
i=30699
k(30699)=0.99987813210031
kQ(30699)=0.99975627905241
r1= : 3.7781236078534E-12
rpunto1: = 4680222.1585234
rduepunti0 : = -1.4853064303355E+25
fil : = 488.13344727911
fipunto1 : = 8.7391627926497E+17
fi_gradi : = 27967.986368265
t1 : = 1.080904314706E-14
tpunto1 : = 1.0006405027769
tduepunti0 : = -1.8528436184611E+15
v=v_elettrone : = 5729501.5079513
x0= : -1.416296631703E-12
y0= : -3.5020241366904E-12
*****
i=30700
k(30700)=0.99987822278203
kQ(30700)=0.99975646039375
r1= : 3.7786724981927E-12
rpunto1: = 4678480.6674568
rduepunti0 : = -1.4849168396259E+25
fil : = 488.13354977087
fipunto1 : = 8.7366235204987E+17
fi_gradi : = 27967.99224061
t1 : = 1.0809043264413E-14
tpunto1 : = 1.0006402856219
tduepunti0 : = -1.851615295077E+15
v=v_elettrone : = 5727801.2318285
x0= : -1.4161434068613E-12
y0= : -3.5026783819561E-12
```

```
*****
i=30701
k(30701)=0.99987831340623
kQ(30701)=0.99975664162009
r1= : 3.7792211842921E-12
rpunto1 : = 4676739.6329496
rduepunti0 : = -1.484527545265E+25
fil : = 488.13365223285
fipunto1 : = 8.7340862993534E+17
fi_gradi : = 27967.998111249
t1 : = 1.0809043381767E-14
tpunto1 : = 1.0006400686108
tduepunti0 : = -1.8503879890552E+15
v=v_elettrone : = 5726101.5772886
x0= : -1.4159900906142E-12
y0= : -3.5033324009977E-12
*****
i=30702
k(30702)=0.99987840397296
kQ(30702)=0.99975682273152
r1= : 3.7797696662053E-12
rpunto1 : = 4674999.0546545
rduepunti0 : = -1.4841385469686E+25
fil : = 488.13375466508
fipunto1 : = 8.7315511270891E+17
fi_gradi : = 27968.003980183
t1 : = 1.0809043499121E-14
tpunto1 : = 1.0006398517435
tduepunti0 : = -1.8491616991628E+15
v=v_elettrone : = 5724402.5454755
x0= : -1.4158366830117E-12
y0= : -3.5039861938713E-12
*****
i=30703
k(30703)=0.99987849448226
kQ(30703)=0.99975700372812
r1= : 3.7803179439858E-12
rpunto1 : = 4673258.9322246
rduepunti0 : = -1.4837498444529E+25
fil : = 488.13385706757
fipunto1 : = 8.7290180015843E+17
fi_gradi : = 27968.009847414
t1 : = 1.0809043616475E-14
tpunto1 : = 1.0006396350199
tduepunti0 : = -1.8479364241691E+15
v=v_elettrone : = 5722704.1343591
x0= : -1.4156831841032E-12
y0= : -3.5046397606335E-12
*****
i=30704
k(30704)=0.99987858493418
kQ(30704)=0.99975718460998
r1= : 3.780866017687E-12
rpunto1 : = 4671519.2653134
rduepunti0 : = -1.4833614374343E+25
fil : = 488.13395944035
fipunto1 : = 8.7264869207204E+17
fi_gradi : = 27968.015712942
t1 : = 1.0809043733828E-14
tpunto1 : = 1.00063941844
tduepunti0 : = -1.846712162845E+15
v=v_elettrone : = 5721006.3440167
x0= : -1.4155295939385E-12
y0= : -3.5052931013405E-12
```



```
*****
i=30705
k(30705)=0.99987867532876
kQ(30705)=0.9997573653772
r1= : 3.7814138873623E-12
rpunto1 : = 4669780.0535746
rduepunti0 : = -1.4829733256296E+25
fil : = 488.13406178345
fipunto1 : = 8.7239578823818E+17
fi_gradi : = 27968.02157677
t1 : = 1.0809043851182E-14
tpunto1 : = 1.0006392020034
tduepunti0 : = -1.8454889139634E+15
v=v_elettrone : = 5719309.1745505
x0= : -1.4153759125672E-12
y0= : -3.5059462160485E-12
*****
i=30706
k(30706)=0.99987876566604
kQ(30706)=0.99975754602985
r1= : 3.7819615530651E-12
rpunto1 : = 4668041.2966624
rduepunti0 : = -1.4825855087562E+25
fil : = 488.13416409689
fipunto1 : = 8.7214308844559E+17
fi_gradi : = 27968.027438898
t1 : = 1.0809043968536E-14
tpunto1 : = 1.0006389857102
tduepunti0 : = -1.844266676299E+15
v=v_elettrone : = 5717612.6260313
x0= : -1.4152221400388E-12
y0= : -3.5065991048137E-12
*****
i=30707
k(30707)=0.99987885594608
kQ(30707)=0.99975772656804
r1= : 3.7825090148488E-12
rpunto1 : = 4666302.9942312
rduepunti0 : = -1.4821979865316E+25
fil : = 488.13426638069
fipunto1 : = 8.7189059248331E+17
fi_gradi : = 27968.033299328
t1 : = 1.0809044085889E-14
tpunto1 : = 1.0006387695603
tduepunti0 : = -1.8430454486283E+15
v=v_elettrone : = 5715916.697491
x0= : -1.4150682764028E-12
y0= : -3.5072517676923E-12
*****
i=30708
k(30708)=0.99987894616891
kQ(30708)=0.99975790699184
r1= : 3.7830562727666E-12
rpunto1 : = 4664565.1459358
rduepunti0 : = -1.4818107586737E+25
fil : = 488.13436863488
fipunto1 : = 8.7163830014065E+17
fi_gradi : = 27968.039158062
t1 : = 1.0809044203243E-14
tpunto1 : = 1.0006385535534
tduepunti0 : = -1.8418252297296E+15
v=v_elettrone : = 5714221.3879482
x0= : -1.4149143217085E-12
y0= : -3.5079042047406E-12
```

```
*****
i=30709
k(30709)=0.99987903633457
kQ(30709)=0.99975808730135
r1= : 3.7836033268719E-12
rpunto1 : = 4662827.7514312
rduepunti0 : = -1.481423824901E+25
fil : = 488.13447085948
fipunto1 : = 8.7138621120725E+17
fi_gradi : = 27968.0450151
t1 : = 1.0809044320597E-14
tpunto1 : = 1.0006383376896
tduepunti0 : = -1.8406060183832E+15
v=v_elettrone : = 5712526.6975052
x0= : -1.4147602760056E-12
y0= : -3.5085564160144E-12
*****
i=30710
k(30710)=0.99987912644312
kQ(30710)=0.99975826749666
r1= : 3.7841501772178E-12
rpunto1 : = 4661090.810373
rduepunti0 : = -1.4810371849321E+25
fil : = 488.13457305451
fipunto1 : = 8.7113432547301E+17
fi_gradi : = 27968.050870444
t1 : = 1.080904443795E-14
tpunto1 : = 1.0006381219686
tduepunti0 : = -1.8393878133711E+15
v=v_elettrone : = 5710832.6262257
x0= : -1.4146061393433E-12
y0= : -3.5092084015699E-12
*****
i=30711
k(30711)=0.9998792164946
kQ(30711)=0.99975844757785
r1= : 3.7846968238576E-12
rpunto1 : = 4659354.3224168
rduepunti0 : = -1.4806508384861E+25
fil : = 488.13467522001
fipunto1 : = 8.7088264272815E+17
fi_gradi : = 27968.056724096
t1 : = 1.0809044555304E-14
tpunto1 : = 1.0006379063903
tduepunti0 : = -1.838170613477E+15
v=v_elettrone : = 5709139.174205
x0= : -1.4144519117711E-12
y0= : -3.509860161463E-12
*****
i=30712
k(30712)=0.99987930648904
kQ(30712)=0.99975862754501
r1= : 3.7852432668443E-12
rpunto1 : = 4657618.2872188
rduepunti0 : = -1.4802647852824E+25
fil : = 488.1347735599
fipunto1 : = 8.7063116276317E+17
fi_gradi : = 27968.062576056
t1 : = 1.0809044672657E-14
tpunto1 : = 1.0006376909547
tduepunti0 : = -1.8369544174867E+15
v=v_elettrone : = 5707446.3394099
x0= : -1.414297593338E-12
y0= : -3.5105116957498E-12
```

```
*****
i=30713
k(30713)=0.9998793964265
kQ(30713)=0.99975880739823
r1= : 3.785789506231E-12
rpunto1 : = 4655882.7044353
rduepunti0 : = -1.4798790250409E+25
fil : = 488.13487946247
fipunto1 : = 8.7037988536887E+17
fi_gradi : = 27968.068426327
t1 : = 1.0809044790011E-14
tpunto1 : = 1.0006374756616
tduepunti0 : = -1.8357392241876E+15
v=v_elettrone : = 5705754.1219233
x0= : -1.4141431840934E-12
y0= : -3.5111630044861E-12
*****
i=30714
k(30714)=0.99987948630702
kQ(30714)=0.9997589871376
r1= : 3.7863355420709E-12
rpunto1 : = 4654147.5737232
rduepunti0 : = -1.4794935574816E+25
fil : = 488.13498153949
fipunto1 : = 8.7012881033633E+17
fi_gradi : = 27968.074274909
t1 : = 1.0809044907364E-14
tpunto1 : = 1.0006372605109
tduepunti0 : = -1.8345250323691E+15
v=v_elettrone : = 5704062.5218282
x0= : -1.4139886840868E-12
y0= : -3.5118140877278E-12
*****
i=30715
k(30715)=0.99987957613065
kQ(30715)=0.9997591667632
r1= : 3.7868813744169E-12
rpunto1 : = 4652412.8947394
rduepunti0 : = -1.4791083823252E+25
fil : = 488.13508358706
fipunto1 : = 8.6987793745694E+17
fi_gradi : = 27968.080121804
t1 : = 1.0809045024718E-14
tpunto1 : = 1.0006370455025
tduepunti0 : = -1.8333118408222E+15
v=v_elettrone : = 5702371.5392026
x0= : -1.4138340933671E-12
y0= : -3.5124649455307E-12
*****
i=30716
k(30716)=0.99987966589742
kQ(30716)=0.99975934627513
r1= : 3.7874270033221E-12
rpunto1 : = 4650678.6671415
rduepunti0 : = -1.4787234992925E+25
fil : = 488.13518560521
fipunto1 : = 8.6962726652237E+17
fi_gradi : = 27968.085967013
t1 : = 1.0809045142071E-14
tpunto1 : = 1.0006368306362
tduepunti0 : = -1.8320996483399E+15
v=v_elettrone : = 5700681.1730833
x0= : -1.4136794119836E-12
y0= : -3.5131155779507E-12
```

```
*****
i=30717
k(30717)=0.99987975560738
kQ(30717)=0.99975952567347
r1= : 3.7879724288393E-12
rpunto1: = 4648944.890587
rduepunti0 : = -1.4783389081048E+25
fil : = 488.13528759396
fipunto1 : = 8.6937679732458E+17
fi_gradi : = 27968.091810538
t1 : = 1.0809045259424E-14
tpunto1 : = 1.000636615912
tduepunti0 : = -1.8308884537168E+15
v=v_elettrone : = 5698991.4235477
x0= : -1.4135246399852E-12
y0= : -3.5137659850434E-12
*****
i=30718
k(30718)=0.99987984526057
kQ(30718)=0.99975970495831
r1= : 3.7885176510214E-12
rpunto1: = 4647211.5647342
rduepunti0 : = -1.4779546084838E+25
fil : = 488.13538955333
fipunto1 : = 8.6912652965583E+17
fi_gradi : = 27968.09765238
t1 : = 1.0809045376778E-14
tpunto1 : = 1.0006364013297
tduepunti0 : = -1.8296782557495E+15
v=v_elettrone : = 5697302.2896226
x0= : -1.413369777421E-12
y0= : -3.5144161668646E-12
*****
i=30719
k(30719)=0.99987993485704
kQ(30719)=0.99975988412973
r1= : 3.7890626699214E-12
rpunto1: = 4645478.6892413
rduepunti0 : = -1.4775706001513E+25
fil : = 488.13549148335
fipunto1 : = 8.6887646330865E+17
fi_gradi : = 27968.10349254
t1 : = 1.0809045494131E-14
tpunto1 : = 1.0006361868893
tduepunti0 : = -1.8284690532363E+15
v=v_elettrone : = 5695613.7703182
x0= : -1.4132148243401E-12
y0= : -3.51506612347E-12
*****
i=30720
k(30720)=0.99988002439684
kQ(30720)=0.99976006318782
r1= : 3.7896074855919E-12
rpunto1: = 4643746.263767
rduepunti0 : = -1.4771868828297E+25
fil : = 488.13559338405
fipunto1 : = 8.6862659807588E+17
fi_gradi : = 27968.10933102
t1 : = 1.0809045611484E-14
tpunto1 : = 1.0006359725905
tduepunti0 : = -1.8272608449773E+15
v=v_elettrone : = 5693925.8667973
x0= : -1.4130597807915E-12
y0= : -3.515715854915E-12
```

```
*****
i=30721
k(30721)=0.99988011388
kQ(30721)=0.99976024213268
r1= : 3.7901520980859E-12
rpunto1 : = 4642014.2879705
rduepunti0 : = -1.4768034562418E+25
fil : = 488.13569525544
fipunto1 : = 8.6837693375063E+17
fi_gradi : = 27968.115167821
t1 : = 1.0809045728838E-14
tpunto1 : = 1.0006357584333
tduepunti0 : = -1.8260536297744E+15
v=v_elettrone : = 5692238.5780712
x0= : -1.4129046468242E-12
y0= : -3.5163653612554E-12
*****
i=30722
k(30722)=0.99988020330657
kQ(30722)=0.99976042096439
r1= : 3.790696507456E-12
rpunto1 : = 4640282.7615109
rduepunti0 : = -1.4764203201107E+25
fil : = 488.13579709755
fipunto1 : = 8.6812747012633E+17
fi_gradi : = 27968.121002944
t1 : = 1.0809045846191E-14
tpunto1 : = 1.0006355444176
tduepunti0 : = -1.8248474064313E+15
v=v_elettrone : = 5690551.9031646
x0= : -1.4127494224869E-12
y0= : -3.5170146425467E-12
*****
i=30723
k(30723)=0.99988029267659
kQ(30723)=0.99976059968303
r1= : 3.791240713755E-12
rpunto1 : = 4638551.6840482
rduepunti0 : = -1.4760374741597E+25
fil : = 488.13589891041
fipunto1 : = 8.6787820699665E+17
fi_gradi : = 27968.126836391
t1 : = 1.0809045963544E-14
tpunto1 : = 1.0006353305432
tduepunti0 : = -1.8236421737535E+15
v=v_elettrone : = 5688865.8432202
x0= : -1.4125941078287E-12
y0= : -3.5176636988443E-12
*****
i=30724
k(30724)=0.99988038199011
kQ(30724)=0.99976077828869
r1= : 3.7917847170354E-12
rpunto1 : = 4636821.0552421
rduepunti0 : = -1.4756549181126E+25
fil : = 488.13600069403
fipunto1 : = 8.676291441556E+17
fi_gradi : = 27968.132668163
t1 : = 1.0809046080897E-14
tpunto1 : = 1.0006351168101
tduepunti0 : = -1.8224379305482E+15
v=v_elettrone : = 5687180.3962095
x0= : -1.4124387028982E-12
y0= : -3.5183125302037E-12
```

```
*****
i=30725
k(30725)=0.99988047124717
kQ(30725)=0.99976095678146
r1= : 3.79232851735E-12
rpunto1:= 4635090.8747531
rduepunti0 := -1.4752726516936E+25
fil := 488.13610244844
fipunto1 := 8.6738028139744E+17
fi_gradi := 27968.138498261
t1 := 1.080904619825E-14
tpunto1 := 1.0006349032181
tduepunti0 := -1.8212346756245E+15
v=v_elettrone := 5685495.5621994
x0= : -1.4122832077444E-12
y0= : -3.5189611366804E-12
*****
i=30726
k(30726)=0.99988056044781
kQ(30726)=0.99976113516142
r1= : 3.7928721147513E-12
rpunto1:= 4633361.1422419
rduepunti0 := -1.4748906746272E+25
fil := 488.13620417367
fipunto1 := 8.6713161851672E+17
fi_gradi := 27968.144326688
t1 := 1.0809046315604E-14
tpunto1 := 1.0006346897671
tduepunti0 := -1.8200324077932E+15
v=v_elettrone := 5683811.3423466
x0= : -1.4121276224159E-12
y0= : -3.5196095183296E-12
*****
i=30727
k(30727)=0.99988064959207
kQ(30727)=0.99976131342867
r1= : 3.7934155092918E-12
rpunto1:= 4631631.8573693
rduepunti0 := -1.4745089866383E+25
fil := 488.13630586973
fipunto1 := 8.6688315530829E+17
fi_gradi := 27968.150153443
t1 := 1.0809046432957E-14
tpunto1 := 1.0006344764569
tduepunti0 := -1.8188311258669E+15
v=v_elettrone := 5682127.7335411
x0= : -1.4119719469613E-12
y0= : -3.5202576752068E-12
*****
i=30728
k(30728)=0.99988073868001
kQ(30728)=0.99976149158329
r1= : 3.793958701024E-12
rpunto1:= 4629903.0197967
rduepunti0 := -1.4741275874521E+25
fil := 488.13640753666
fipunto1 := 8.6663489156728E+17
fi_gradi := 27968.155978528
t1 := 1.080904655031E-14
tpunto1 := 1.0006342632876
tduepunti0 := -1.8176308286598E+15
v=v_elettrone := 5680444.7380024
x0= : -1.4118161814295E-12
y0= : -3.5209056073671E-12
```

```
*****
i=30729
k(30729)=0.99988082771166
kQ(30729)=0.99976166962536
r1= : 3.7945016900004E-12
rpunto1 : = 4628174.6291857
rduepunti0 : = -1.4737464767941E+25
fil : = 488.13650917447
fipunto1 : = 8.6638682708911E+17
fi_gradi : = 27968.161801946
t1 : = 1.0809046667663E-14
tpunto1 : = 1.0006340502588
tduepunti0 : = -1.8164315149882E+15
v=v_elettrone : = 5678762.3536682
x0= : -1.411660325869E-12
y0= : -3.5215533148659E-12
*****
i=30730
k(30730)=0.99988091668707
kQ(30730)=0.99976184755497
r1= : 3.7950444762734E-12
rpunto1 : = 4626446.6851982
rduepunti0 : = -1.4733656543903E+25
fil : = 488.13661078318
fipunto1 : = 8.6613896166946E+17
fi_gradi : = 27968.167623696
t1 : = 1.0809046785016E-14
tpunto1 : = 1.0006338373707
tduepunti0 : = -1.8152331836699E+15
v=v_elettrone : = 5677080.580637
x0= : -1.4115043803284E-12
y0= : -3.5222007977584E-12
*****
i=30731
k(30731)=0.99988100560627
kQ(30731)=0.99976202537221
r1= : 3.7955870598954E-12
rpunto1 : = 4624719.1874965
rduepunti0 : = -1.4729851199669E+25
fil : = 488.13671236283
fipunto1 : = 8.6589129510432E+17
fi_gradi : = 27968.173443781
t1 : = 1.0809046902369E-14
tpunto1 : = 1.0006336246229
tduepunti0 : = -1.8140358335246E+15
v=v_elettrone : = 5675399.4189873
x0= : -1.4113483448563E-12
y0= : -3.5228480560996E-12
*****
i=30732
k(30732)=0.99988109446932
kQ(30732)=0.99976220307717
r1= : 3.7961294409188E-12
rpunto1 : = 4622992.1357432
rduepunti0 : = -1.4726048732507E+25
fil : = 488.13681391343
fipunto1 : = 8.6564382718997E+17
fi_gradi : = 27968.179262202
t1 : = 1.0809047019722E-14
tpunto1 : = 1.0006334120155
tduepunti0 : = -1.8128394633735E+15
v=v_elettrone : = 5673718.8677423
x0= : -1.4111922195011E-12
y0= : -3.5234950899448E-12
```

```
*****
i=30733
k(30733)=0.99988118327625
kQ(30733)=0.99976238066992
r1= : 3.7966716193957E-12
rpunto1: = 4621265.5296012
rduepunti0 : = -1.4722249139686E+25
fil : = 488.136915435
fipunto1 : = 8.6539655772294E+17
fi_gradi : = 27968.18507896
t1 : = 1.0809047137075E-14
tpunto1 : = 1.0006331995482
tduepunti0 : = -1.81164407204E+15
v=v_elettrone : = 5672038.926977
x0= : -1.4110360043114E-12
y0= : -3.524141899349E-12
*****
i=30734
k(30734)=0.99988127202712
kQ(30734)=0.99976255815056
r1= : 3.7972135953786E-12
rpunto1: = 4619539.3687337
rduepunti0 : = -1.471845241848E+25
fil : = 488.13701692758
fipunto1 : = 8.6514948650006E+17
fi_gradi : = 27968.190894056
t1 : = 1.0809047254428E-14
tpunto1 : = 1.000632987221
tduepunti0 : = -1.8104496583489E+15
v=v_elettrone : = 5670359.5967836
x0= : -1.4108796993355E-12
y0= : -3.5247884843673E-12
*****
i=30735
k(30735)=0.99988136072195
kQ(30735)=0.99976273551918
r1= : 3.7977553689196E-12
rpunto1: = 4617813.6528043
rduepunti0 : = -1.4714658566166E+25
fil : = 488.13711839118
fipunto1 : = 8.6490261331846E+17
fi_gradi : = 27968.196707493
t1 : = 1.0809047371781E-14
tpunto1 : = 1.0006327750338
tduepunti0 : = -1.8092562211268E+15
v=v_elettrone : = 5668680.8751011
x0= : -1.4107233046218E-12
y0= : -3.5254348450546E-12
*****
i=30736
k(30736)=0.9998814493608
kQ(30736)=0.99976291277585
r1= : 3.7982969400708E-12
rpunto1: = 4616088.3814767
rduepunti0 : = -1.4710867580024E+25
fil : = 488.13721982583
fipunto1 : = 8.6465593797552E+17
fi_gradi : = 27968.20251927
t1 : = 1.0809047489134E-14
tpunto1 : = 1.0006325629865
tduepunti0 : = -1.8080637592022E+15
v=v_elettrone : = 5667002.7630905
x0= : -1.4105668202188E-12
y0= : -3.5260809814658E-12
```



```
*****
i=30737
k(30737)=0.9998815379437
kQ(30737)=0.99976308992066
r1= : 3.7988383088845E-12
rpunto1:= 4614363.5544152
rduepunti0 := -1.4707079457338E+25
fil := 488.13732123155
fipunto1 := 8.6440946026892E+17
fi_gradi := 27968.208329389
t1 := 1.0809047606487E-14
tpunto1 := 1.0006323510789
tduepunti0 := -1.806872271405E+15
v=v_elettrone := 5665325.2597737
x0= : -1.4104102461747E-12
y0= : -3.526726893656E-12
*****
i=30738
k(30738)=0.99988162647071
kQ(30738)=0.9997632669537
r1= : 3.7993794754127E-12
rpunto1:= 4612639.1712843
rduepunti0 := -1.4703294195397E+25
fil := 488.13742260836
fipunto1 := 8.6416317999662E+17
fi_gradi := 27968.214137853
t1 := 1.0809047723839E-14
tpunto1 := 1.0006321393109
tduepunti0 := -1.8056817565673E+15
v=v_elettrone := 5663648.3652175
x0= : -1.4102535825379E-12
y0= : -3.5273725816799E-12
*****
i=30739
k(30739)=0.99988171494185
kQ(30739)=0.99976344387506
r1= : 3.7999204397075E-12
rpunto1:= 4610915.2317488
rduepunti0 := -1.469951179149E+25
fil := 488.13752395629
fipunto1 := 8.6391709695685E+17
fi_gradi := 27968.219944661
t1 := 1.0809047841192E-14
tpunto1 := 1.0006319276824
tduepunti0 := -1.8044922135226E+15
v=v_elettrone := 5661972.0795168
x0= : -1.4100968293565E-12
y0= : -3.5280180455925E-12
*****
i=30740
k(30740)=0.99988180335719
kQ(30740)=0.99976362068482
r1= : 3.800461201821E-12
rpunto1:= 4609191.7354738
rduepunti0 := -1.4695732242914E+25
fil := 488.13762527536
fipunto1 := 8.6367121094813E+17
fi_gradi := 27968.225749816
t1 := 1.0809047958545E-14
tpunto1 := 1.0006317161933
tduepunti0 := -1.8033036411062E+15
v=v_elettrone := 5660296.4006103
x0= : -1.4099399866785E-12
y0= : -3.5286632854485E-12
```

```
*****
i=30741
k(30741)=0.99988189171675
kQ(30741)=0.99976379738306
r1= : 3.801001761805E-12
rpunto1 : = 4607468.6821248
rduepunti0 : = -1.4691955546965E+25
fil : = 488.13772656559
fipunto1 : = 8.6342552176925E+17
fi_gradi : = 27968.231553319
t1 : = 1.0809048075898E-14
tpunto1 : = 1.0006315048435
tduepunti0 : = -1.8021160381552E+15
v=v_elettrone : = 5658621.3296659
x0= : -1.4097830545524E-12
y0= : -3.5293083013026E-12
*****
i=30742
k(30742)=0.99988198002058
kQ(30742)=0.99976397396988
r1= : 3.8015421197116E-12
rpunto1 : = 4605746.0713675
rduepunti0 : = -1.4688181700946E+25
fil : = 488.13782782701
fipunto1 : = 8.6318002921929E+17
fi_gradi : = 27968.237355171
t1 : = 1.0809048193251E-14
tpunto1 : = 1.0006312936328
tduepunti0 : = -1.8009294035084E+15
v=v_elettrone : = 5656946.8656765
x0= : -1.4096260330261E-12
y0= : -3.5299530932096E-12
*****
i=30743
k(30743)=0.99988206826873
kQ(30743)=0.99976415044535
r1= : 3.8020822755927E-12
rpunto1 : = 4604023.902868
rduepunti0 : = -1.4684410702162E+25
fil : = 488.13792905963
fipunto1 : = 8.629347330976E+17
fi_gradi : = 27968.243155373
t1 : = 1.0809048310603E-14
tpunto1 : = 1.0006310825612
tduepunti0 : = -1.7997437360063E+15
v=v_elettrone : = 5655273.0076801
x0= : -1.4094689221478E-12
y0= : -3.5305976612241E-12
*****
i=30744
k(30744)=0.99988215646123
kQ(30744)=0.99976432680956
r1= : 3.8026222295001E-12
rpunto1 : = 4602302.1762927
rduepunti0 : = -1.4680642547921E+25
fil : = 488.13803026349
fipunto1 : = 8.6268963320381E+17
fi_gradi : = 27968.248953927
t1 : = 1.0809048427956E-14
tpunto1 : = 1.0006308716286
tduepunti0 : = -1.7985590344911E+15
v=v_elettrone : = 5653599.7568104
x0= : -1.4093117219656E-12
y0= : -3.5312420054007E-12
```

```
*****
i=30745
k(30745)=0.99988224459813
kQ(30745)=0.99976450306259
r1= : 3.8031619814856E-12
rpunto1: = 4600580.8913083
rduepunti0 : = -1.4676877235536E+25
fil : = 488.1381314386
fipunto1 : = 8.6244472933783E+17
fi_gradi : = 27968.254750834
t1 : = 1.0809048545309E-14
tpunto1 : = 1.0006306608348
tduepunti0 : = -1.7973752978067E+15
v=v_elettrone : = 5651927.1120883
x0= : -1.4091544325274E-12
y0= : -3.5318861257941E-12
*****
i=30746
k(30746)=0.99988233267947
kQ(30746)=0.99976467920454
r1= : 3.8037015316011E-12
rpunto1: = 4598860.0475819
rduepunti0 : = -1.4673114762321E+25
fil : = 488.13823258499
fipunto1 : = 8.6220002129983E+17
fi_gradi : = 27968.260546095
t1 : = 1.0809048662661E-14
tpunto1 : = 1.0006304501796
tduepunti0 : = -1.7961925247987E+15
v=v_elettrone : = 5650255.0725347
x0= : -1.4089970538811E-12
y0= : -3.5325300224587E-12
*****
i=30747
k(30747)=0.99988242070529
kQ(30747)=0.99976485523548
r1= : 3.8042408798983E-12
rpunto1: = 4597139.6447807
rduepunti0 : = -1.4669355125596E+25
fil : = 488.13833370268
fipunto1 : = 8.6195550889029E+17
fi_gradi : = 27968.266339712
t1 : = 1.0809048780014E-14
tpunto1 : = 1.0006302396631
tduepunti0 : = -1.7950107143146E+15
v=v_elettrone : = 5648583.6382132
x0= : -1.4088395860747E-12
y0= : -3.5331736954491E-12
*****
i=30748
k(30748)=0.99988250867564
kQ(30748)=0.9997650311555
r1= : 3.8047800264289E-12
rpunto1: = 4595419.6825725
rduepunti0 : = -1.4665598322684E+25
fil : = 488.1384347917
fipunto1 : = 8.6171119190994E+17
fi_gradi : = 27968.272131686
t1 : = 1.0809048897367E-14
tpunto1 : = 1.0006300292851
tduepunti0 : = -1.7938298652034E+15
v=v_elettrone : = 5646912.8092336
x0= : -1.4086820291562E-12
y0= : -3.5338171448198E-12
```

```
*****
i=30749
k(30749)=0.99988259659056
kQ(30749)=0.99976520696468
r1= : 3.8053189712446E-12
rpunto1 : = 4593700.1606252
rduepunti0 : = -1.466184435091E+25
fil : = 488.13853585206
fipunto1 : = 8.6146707015979E+17
fi_gradi : = 27968.277922019
t1 : = 1.0809049014719E-14
tpunto1 : = 1.0006298190455
tduepunti0 : = -1.7926499763159E+15
v=v_elettrone : = 5645242.5845769
x0= : -1.4085243831732E-12
y0= : -3.5344603706251E-12
*****
i=30750
k(30750)=0.99988268445009
kQ(30750)=0.99976538266312
r1= : 3.805857714397E-12
rpunto1 : = 4591981.0786071
rduepunti0 : = -1.4658093207604E+25
fil : = 488.1386368838
fipunto1 : = 8.6122314344113E+17
fi_gradi : = 27968.283710711
t1 : = 1.0809049132072E-14
tpunto1 : = 1.0006296089441
tduepunti0 : = -1.7914710465044E+15
v=v_elettrone : = 5643572.964355
x0= : -1.4083666481736E-12
y0= : -3.5351033729195E-12
*****
i=30751
k(30751)=0.99988277225427
kQ(30751)=0.99976555825088
r1= : 3.8063962559377E-12
rpunto1 : = 4590262.4361867
rduepunti0 : = -1.4654344890098E+25
fil : = 488.13873788692
fipunto1 : = 8.6097941155551E+17
fi_gradi : = 27968.289497763
t1 : = 1.0809049249424E-14
tpunto1 : = 1.0006293989808
tduepunti0 : = -1.7902930746233E+15
v=v_elettrone : = 5641903.9475702
x0= : -1.4082088242052E-12
y0= : -3.5357461517572E-12
*****
i=30752
k(30752)=0.99988286000314
kQ(30752)=0.99976573372807
r1= : 3.8069345959183E-12
rpunto1 : = 4588544.2330331
rduepunti0 : = -1.465059939573E+25
fil : = 488.13883886146
fipunto1 : = 8.6073587430478E+17
fi_gradi : = 27968.295283178
t1 : = 1.0809049366777E-14
tpunto1 : = 1.0006291891556
tduepunti0 : = -1.7891160595283E+15
v=v_elettrone : = 5640235.5342907
x0= : -1.4080509113158E-12
y0= : -3.5363887071926E-12
```

```
*****
i=30753
k(30753)=0.99988294769676
kQ(30753)=0.99976590909475
r1= : 3.8074727343902E-12
rpunto1: = 4586826.4688153
rduepunti0 : = -1.4646856721837E+25
fil : = 488.13893980744
fipunto1 : = 8.6049253149104E+17
fi_gradi : = 27968.301066957
t1 : = 1.0809049484129E-14
tpunto1 : = 1.0006289794684
tduepunti0 : = -1.787940000077E+15
v=v_elettrone : = 5638567.7246196
x0= : -1.407892909553E-12
y0= : -3.53703103928E-12
*****
i=30754
k(30754)=0.99988303533514
kQ(30754)=0.99976608435102
r1= : 3.808010671405E-12
rpunto1: = 4585109.143203
rduepunti0 : = -1.4643116865765E+25
fil : = 488.13904072488
fipunto1 : = 8.6024938291668E+17
fi_gradi : = 27968.3068491
t1 : = 1.0809049601482E-14
tpunto1 : = 1.0006287699189
tduepunti0 : = -1.7867648951286E+15
v=v_elettrone : = 5636900.5175614
x0= : -1.4077348189645E-12
y0= : -3.5376731480735E-12
*****
i=30755
k(30755)=0.99988312291836
kQ(30755)=0.99976625949696
r1= : 3.8085484070141E-12
rpunto1: = 4583392.255866
rduepunti0 : = -1.4639379824858E+25
fil : = 488.1391416138
fipunto1 : = 8.6000642838434E+17
fi_gradi : = 27968.31262961
t1 : = 1.0809049718834E-14
tpunto1 : = 1.0006285605072
tduepunti0 : = -1.785590743544E+15
v=v_elettrone : = 5635233.9121252
x0= : -1.4075766395978E-12
y0= : -3.5383150336273E-12
*****
i=30756
k(30756)=0.99988321044643
kQ(30756)=0.99976643453266
r1= : 3.8090859412689E-12
rpunto1: = 4581675.8064743
rduepunti0 : = -1.4635645596468E+25
fil : = 488.13924247423
fipunto1 : = 8.5976366769696E+17
fi_gradi : = 27968.318408487
t1 : = 1.0809049836187E-14
tpunto1 : = 1.000628351233
tduepunti0 : = -1.7844175441859E+15
v=v_elettrone : = 5633567.9094642
x0= : -1.4074183715008E-12
y0= : -3.5389566959956E-12
```

```
*****
i=30757
k(30757)=0.99988329791941
kQ(30757)=0.99976660945819
r1= : 3.8096232742208E-12
rpunto1: = 4579959.7946986
rduepunti0 : = -1.4631914177948E+25
fil : = 488.13934330619
fipunto1 : = 8.5952110065774E+17
fi_gradi : = 27968.324185732
t1 : = 1.0809049953539E-14
tpunto1 : = 1.0006281420963
tduepunti0 : = -1.7832452959185E+15
v=v_elettrone : = 5631902.5085896
x0= : -1.4072600147207E-12
y0= : -3.5395981352324E-12
*****
i=30758
k(30758)=0.99988338533733
kQ(30758)=0.99976678427364
r1= : 3.810160405921E-12
rpunto1: = 4578244.2202095
rduepunti0 : = -1.4628185566654E+25
fil : = 488.1394441097
fipunto1 : = 8.5927872707014E+17
fi_gradi : = 27968.329961348
t1 : = 1.0809050070891E-14
tpunto1 : = 1.000627933097
tduepunti0 : = -1.7820739976077E+15
v=v_elettrone : = 5630237.7095919
x0= : -1.4071015693052E-12
y0= : -3.5402393513919E-12
*****
i=30759
k(30759)=0.99988347270024
kQ(30759)=0.99976695897909
r1= : 3.8106973364209E-12
rpunto1: = 4576529.0826782
rduepunti0 : = -1.4624459759946E+25
fil : = 488.13954488479
fipunto1 : = 8.5903654673791E+17
fi_gradi : = 27968.335735335
t1 : = 1.0809050188244E-14
tpunto1 : = 1.000627724235
tduepunti0 : = -1.7809036481212E+15
v=v_elettrone : = 5628573.5103949
x0= : -1.4069430353015E-12
y0= : -3.540880344528E-12
*****
i=30760
k(30760)=0.99988356000818
kQ(30760)=0.99976713357463
r1= : 3.8112340657717E-12
rpunto1: = 4574814.381776
rduepunti0 : = -1.4620736755189E+25
fil : = 488.13964563147
fipunto1 : = 8.5879455946506E+17
fi_gradi : = 27968.341507695
t1 : = 1.0809050305596E-14
tpunto1 : = 1.0006275155101
tduepunti0 : = -1.7797342463284E+15
v=v_elettrone : = 5626909.9121648
x0= : -1.4067844127574E-12
y0= : -3.5415211146947E-12
```

```
*****
i=30761
k(30761)=0.99988364726119
kQ(30761)=0.99976730806035
r1= : 3.8117705940247E-12
rpunto1 : = 4573100.1171746
rduepunti0 : = -1.4617016549749E+25
fil : = 488.13974634978
fipunto1 : = 8.5855276505587E+17
fi_gradi : = 27968.347278429
t1 : = 1.0809050422948E-14
tpunto1 : = 1.0006273069222
tduepunti0 : = -1.7785657911E+15
v=v_elettrone : = 5625246.9149779
x0= : -1.4066257017201E-12
y0= : -3.5421616619459E-12
*****
i=30762
k(30762)=0.99988373445932
kQ(30762)=0.99976748243632
r1= : 3.8123069212309E-12
rpunto1 : = 4571386.2885461
rduepunti0 : = -1.4613299140996E+25
fil : = 488.13984703972
fipunto1 : = 8.5831116331488E+17
fi_gradi : = 27968.353047538
t1 : = 1.0809050540301E-14
tpunto1 : = 1.0006270984713
tduepunti0 : = -1.7773982813088E+15
v=v_elettrone : = 5623584.5178422
x0= : -1.4064669022369E-12
y0= : -3.5428019863356E-12
*****
i=30763
k(30763)=0.9998838216026
kQ(30763)=0.99976765670262
r1= : 3.8128430474415E-12
rpunto1 : = 4569672.8955628
rduepunti0 : = -1.4609584526305E+25
fil : = 488.13994770134
fipunto1 : = 8.5806975404693E+17
fi_gradi : = 27968.358815023
t1 : = 1.0809050657653E-14
tpunto1 : = 1.0006268901571
tduepunti0 : = -1.7762317158291E+15
v=v_elettrone : = 5621922.7197757
x0= : -1.406308014355E-12
y0= : -3.5434420879176E-12
*****
i=30764
k(30764)=0.99988390869108
kQ(30764)=0.99976783085935
r1= : 3.8133789727077E-12
rpunto1 : = 4567959.9378972
rduepunti0 : = -1.4605872703052E+25
fil : = 488.14004833464
fipunto1 : = 8.578285370571E+17
fi_gradi : = 27968.364580887
t1 : = 1.0809050775005E-14
tpunto1 : = 1.0006266819797
tduepunti0 : = -1.7750660935367E+15
v=v_elettrone : = 5620261.5208455
x0= : -1.406149038122E-12
y0= : -3.5440819667457E-12
```

```
*****
i=30765
k(30765)=0.99988399572479
kQ(30765)=0.99976800490658
r1= : 3.8139146970804E-12
rpunto1: = 4566247.4152223
rduepunti0 : = -1.4602163668618E+25
fil : = 488.14014893965
fipunto1 : = 8.5758751215074E+17
fi_gradi : = 27968.370345129
t1 : = 1.0809050892357E-14
tpunto1 : = 1.0006264739388
tduepunti0 : = -1.7739014133094E+15
v=v_elettrone : = 5618600.9211435
x0= : -1.4059899735849E-12
y0= : -3.5447216228736E-12
*****
i=30766
k(30766)=0.99988408270379
kQ(30766)=0.9997681788444
r1= : 3.8144502206106E-12
rpunto1: = 4564535.3272114
rduepunti0 : = -1.4598457420386E+25
fil : = 488.14024951639
fipunto1 : = 8.5734667913347E+17
fi_gradi : = 27968.376107752
t1 : = 1.0809051009709E-14
tpunto1 : = 1.0006262660345
tduepunti0 : = -1.7727376740263E+15
v=v_elettrone : = 5616940.9196845
x0= : -1.4058308207909E-12
y0= : -3.5453610563552E-12
*****
i=30767
k(30767)=0.99988416962811
kQ(30767)=0.99976835267289
r1= : 3.8149855433495E-12
rpunto1: = 4562823.673538
rduepunti0 : = -1.4594753955745E+25
fil : = 488.14035006489
fipunto1 : = 8.571060378112E+17
fi_gradi : = 27968.381868757
t1 : = 1.0809051127062E-14
tpunto1 : = 1.0006260582665
tduepunti0 : = -1.7715748745683E+15
v=v_elettrone : = 5615281.5165292
x0= : -1.4056715797873E-12
y0= : -3.5460002672441E-12
*****
i=30768
k(30768)=0.99988425649778
kQ(30768)=0.99976852639213
r1= : 3.8155206653478E-12
rpunto1: = 4561112.4538759
rduepunti0 : = -1.4591053272085E+25
fil : = 488.14045058516
fipunto1 : = 8.5686558799008E+17
fi_gradi : = 27968.387628144
t1 : = 1.0809051244414E-14
tpunto1 : = 1.0006258506348
tduepunti0 : = -1.770413013818E+15
v=v_elettrone : = 5613622.7107047
x0= : -1.4055122506212E-12
y0= : -3.5466392555939E-12
```



```
*****
i=30769
k(30769)=0.99988434331287
kQ(30769)=0.9997687000022
r1= : 3.8160555866566E-12
rpunto1: = 4559401.6678993
rduepunti0 : = -1.4587355366799E+25
fil : = 488.14055107724
fipunto1 : = 8.5662532947654E+17
fi_gradi : = 27968.393385916
t1 : = 1.0809051361766E-14
tpunto1 : = 1.0006256431392
tduepunti0 : = -1.7692520906595E+15
v=v_elettrone : = 5611964.5033588
x0= : -1.4053528333397E-12
y0= : -3.5472780214582E-12
*****
i=30770
k(30770)=0.99988443007339
kQ(30770)=0.99976887350319
r1= : 3.8165903073265E-12
rpunto1: = 4557691.3152827
rduepunti0 : = -1.4583660237284E+25
fil : = 488.14065154114
fipunto1 : = 8.5638526207725E+17
fi_gradi : = 27968.399142073
t1 : = 1.0809051479118E-14
tpunto1 : = 1.0006254357797
tduepunti0 : = -1.7680921039787E+15
v=v_elettrone : = 5610306.8935065
x0= : -1.4051933279898E-12
y0= : -3.5479165648907E-12
*****
i=30771
k(30771)=0.9998845167794
kQ(30771)=0.99976904689518
r1= : 3.8171248274086E-12
rpunto1: = 4555981.3957008
rduepunti0 : = -1.4579967880942E+25
fil : = 488.14075197688
fipunto1 : = 8.5614538559919E+17
fi_gradi : = 27968.404896618
t1 : = 1.080905159647E-14
tpunto1 : = 1.0006252285561
tduepunti0 : = -1.7669330526631E+15
v=v_elettrone : = 5608649.8790593
x0= : -1.4050337346183E-12
y0= : -3.5485548859449E-12
*****
i=30772
k(30772)=0.99988460343094
kQ(30772)=0.99976922017826
r1= : 3.8176591469535E-12
rpunto1: = 4554271.9088287
rduepunti0 : = -1.4576278295177E+25
fil : = 488.1408523845
fipunto1 : = 8.5590569984957E+17
fi_gradi : = 27968.41064955
t1 : = 1.0809051713822E-14
tpunto1 : = 1.0006250214683
tduepunti0 : = -1.7657749356016E+15
v=v_elettrone : = 5606993.4622691
x0= : -1.4048740532725E-12
y0= : -3.5491929846742E-12
```

```
*****
i=30773
k(30773)=0.99988469002805
kQ(30773)=0.9997693933525
r1= : 3.8181932660121E-12
rpunto1: = 4552562.8543418
rduepunti0 : = -1.4572591477395E+25
fil : = 488.140952764
fipunto1 : = 8.5566620463587E+17
fi_gradi : = 27968.416400872
t1 : = 1.0809051831174E-14
tpunto1 : = 1.0006248145162
tduepunti0 : = -1.7646177516852E+15
v=v_elettrone : = 5605337.6410576
x0= : -1.4047142839992E-12
y0= : -3.5498308611322E-12
*****
i=30774
k(30774)=0.99988477657077
kQ(30774)=0.99976956641798
r1= : 3.818727184635E-12
rpunto1: = 4550854.2319157
rduepunti0 : = -1.4568907425007E+25
fil : = 488.14105311541
fipunto1 : = 8.5542689976586E+17
fi_gradi : = 27968.422150584
t1 : = 1.0809051948526E-14
tpunto1 : = 1.0006246076998
tduepunti0 : = -1.7634614998061E+15
v=v_elettrone : = 5603682.4155143
x0= : -1.4045544268453E-12
y0= : -3.5504685153722E-12
*****
i=30775
k(30775)=0.99988486305914
kQ(30775)=0.9997697393748
r1= : 3.8192609028728E-12
rpunto1: = 4549146.0412264
rduepunti0 : = -1.4565226135428E+25
fil : = 488.14115343876
fipunto1 : = 8.5518778504753E+17
fi_gradi : = 27968.427898689
t1 : = 1.0809052065878E-14
tpunto1 : = 1.0006244010188
tduepunti0 : = -1.7623061788582E+15
v=v_elettrone : = 5602027.7857065
x0= : -1.4043944818577E-12
y0= : -3.5511059474476E-12
*****
i=30776
k(30776)=0.9998849494932
kQ(30776)=0.99976991222302
r1= : 3.8197944207763E-12
rpunto1: = 4547438.2819503
rduepunti0 : = -1.4561547606074E+25
fil : = 488.14125373407
fipunto1 : = 8.5494886028917E+17
fi_gradi : = 27968.433645187
t1 : = 1.080905218323E-14
tpunto1 : = 1.0006241944732
tduepunti0 : = -1.7611517877372E+15
v=v_elettrone : = 5600373.7506474
x0= : -1.4042344490831E-12
y0= : -3.5517431574117E-12
```

```
*****
i=30777
k(30777)=0.99988503587299
kQ(30777)=0.99977008496274
r1= : 3.820327738396E-12
rpunto1 : = 4545730.9537639
rduepunti0 : = -1.4557871834366E+25
fil : = 488.14135400135
fipunto1 : = 8.5471012529931E+17
fi_gradi : = 27968.439390079
t1 : = 1.0809052300582E-14
tpunto1 : = 1.0006239880629
tduepunti0 : = -1.7599983253404E+15
v=v_elettrone : = 5598720.3104236
x0= : -1.4040743285685E-12
y0= : -3.5523801453179E-12
*****
i=30778
k(30778)=0.99988512219856
kQ(30778)=0.99977025759403
r1= : 3.8208608557825E-12
rpunto1 : = 4544024.056344
rduepunti0 : = -1.4554198817727E+25
fil : = 488.14145424064
fipunto1 : = 8.5447157988676E+17
fi_gradi : = 27968.445133367
t1 : = 1.0809052417933E-14
tpunto1 : = 1.0006237817878
tduepunti0 : = -1.7588457905665E+15
v=v_elettrone : = 5597067.4651078
x0= : -1.4039141203605E-12
y0= : -3.5530169112193E-12
*****
i=30779
k(30779)=0.99988520846994
kQ(30779)=0.99977043011698
r1= : 3.8213937729863E-12
rpunto1 : = 4542317.589368
rduepunti0 : = -1.4550528553586E+25
fil : = 488.14155445195
fipunto1 : = 8.5423322386059E+17
fi_gradi : = 27968.450875052
t1 : = 1.0809052535285E-14
tpunto1 : = 1.0006235756477
tduepunti0 : = -1.757694182316E+15
v=v_elettrone : = 5595415.2137091
x0= : -1.4037538245059E-12
y0= : -3.5536534551692E-12
*****
i=30780
k(30780)=0.99988529468718
kQ(30780)=0.99977060253166
r1= : 3.8219264900579E-12
rpunto1 : = 4540611.5525132
rduepunti0 : = -1.4546861039372E+25
fil : = 488.14165463531
fipunto1 : = 8.5399505703011E+17
fi_gradi : = 27968.456615136
t1 : = 1.0809052652637E-14
tpunto1 : = 1.0006233696426
tduepunti0 : = -1.7565434994909E+15
v=v_elettrone : = 5593763.5552255
x0= : -1.4035934410512E-12
y0= : -3.5542897772209E-12
```

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*****
i=30781
k(30781)=0.99988538085031
kQ(30781)=0.99977077483817
r1= : 3.8224590070477E-12
rpunto1: = 4538905.9454575
rduepunti0 : = -1.4543196272519E+25
fil : = 488.14175479073
fipunto1 : = 8.5375707920492E+17
fi_gradi : = 27968.462353619
t1 : = 1.0809052769989E-14
tpunto1 : = 1.0006231637723
tduepunti0 : = -1.755393740995E+15
v=v_elettrone : = 5592112.490818
x0= : -1.4034329700432E-12
y0= : -3.5549258774272E-12
*****
i=30782
k(30782)=0.99988546695938
kQ(30782)=0.99977094703658
r1= : 3.8229913240061E-12
rpunto1: = 4537200.767879
rduepunti0 : = -1.4539534250464E+25
fil : = 488.14185491824
fipunto1 : = 8.5351929019485E+17
fi_gradi : = 27968.468090503
t1 : = 1.0809052887341E-14
tpunto1 : = 1.0006229580367
tduepunti0 : = -1.7542449057334E+15
v=v_elettrone : = 5590462.0194994
x0= : -1.4032724115285E-12
y0= : -3.5555617558415E-12
*****
i=30783
k(30783)=0.99988555301443
kQ(30783)=0.99977111912696
r1= : 3.8235234409836E-12
rpunto1: = 4535496.019456
rduepunti0 : = -1.4535874970647E+25
fil : = 488.14195501787
fipunto1 : = 8.5328168981003E+17
fi_gradi : = 27968.473825789
t1 : = 1.0809053004692E-14
tpunto1 : = 1.0006227524358
tduepunti0 : = -1.7530969926131E+15
v=v_elettrone : = 5588812.1413387
x0= : -1.4031117655536E-12
y0= : -3.5561974125168E-12
*****
i=30784
k(30784)=0.99988563901549
kQ(30784)=0.99977129110942
r1= : 3.8240553580303E-12
rpunto1: = 4533791.6998672
rduepunti0 : = -1.4532218430513E+25
fil : = 488.14205508963
fipunto1 : = 8.530442778608E+17
fi_gradi : = 27968.479559479
t1 : = 1.0809053122044E-14
tpunto1 : = 1.0006225469694
tduepunti0 : = -1.7519500005426E+15
v=v_elettrone : = 5587162.854265
x0= : -1.4029510321649E-12
y0= : -3.5568328475061E-12

```

```
*****
i=30785
k(30785)=0.99988572496261
kQ(30785)=0.99977146298401
r1= : 3.8245870751967E-12
rpunto1: = 4532087.8087917
rduepunti0 : = -1.4528564627507E+25
fil : = 488.14215513355
fipunto1 : = 8.5280705415781E+17
fi_gradi : = 27968.485291573
t1 : = 1.0809053239396E-14
tpunto1 : = 1.0006223416374
tduepunti0 : = -1.7508039284318E+15
v=v_elettrone : = 5585514.1605149
x0= : -1.4027902114091E-12
y0= : -3.5574680608623E-12
*****
i=30786
k(30786)=0.99988581085584
kQ(30786)=0.99977163475084
r1= : 3.825118592533E-12
rpunto1: = 4530384.3459088
rduepunti0 : = -1.452491355908E+25
fil : = 488.14225514965
fipunto1 : = 8.5257001851194E+17
fi_gradi : = 27968.491022073
t1 : = 1.0809053356748E-14
tpunto1 : = 1.0006221364397
tduepunti0 : = -1.7496587751926E+15
v=v_elettrone : = 5583866.056924
x0= : -1.4026293033325E-12
y0= : -3.5581030526384E-12
*****
i=30787
k(30787)=0.9998858966952
kQ(30787)=0.99977180640997
r1= : 3.8256499100894E-12
rpunto1: = 4528681.3108979
rduepunti0 : = -1.4521265222685E+25
fil : = 488.14235513795
fipunto1 : = 8.5233317073432E+17
fi_gradi : = 27968.496750981
t1 : = 1.0809053474099E-14
tpunto1 : = 1.0006219313762
tduepunti0 : = -1.748514539738E+15
v=v_elettrone : = 5582218.5457567
x0= : -1.4024683079818E-12
y0= : -3.5587378228873E-12
*****
i=30788
k(30788)=0.99988598248074
kQ(30788)=0.99977197796148
r1= : 3.8261810279161E-12
rpunto1: = 4526978.7034391
rduepunti0 : = -1.4517619615779E+25
fil : = 488.14245509847
fipunto1 : = 8.5209651063637E+17
fi_gradi : = 27968.502478296
t1 : = 1.0809053591451E-14
tpunto1 : = 1.0006217264468
tduepunti0 : = -1.747371220983E+15
v=v_elettrone : = 5580571.6259907
x0= : -1.402307225403E-12
y0= : -3.5593723716618E-12
```

```
*****
i=30789
k(30789)=0.99988606821251
kQ(30789)=0.99977214940547
r1= : 3.8267119460631E-12
rpunto1: = 4525276.5232125
rduepunti0 : = -1.4513976735822E+25
fil : = 488.14255503123
fipunto1 : = 8.5186003802974E+17
fi_gradi : = 27968.508204022
t1 : = 1.0809053708803E-14
tpunto1 : = 1.0006215216514
tduepunti0 : = -1.7462288178441E+15
v=v_elettrone : = 5578925.2955535
x0= : -1.4021460556426E-12
y0= : -3.5600066990149E-12
*****
i=30790
k(30790)=0.99988615389053
kQ(30790)=0.999772320742
r1= : 3.8272426645807E-12
rpunto1: = 4523574.7698985
rduepunti0 : = -1.4510336580276E+25
fil : = 488.14265493626
fipunto1 : = 8.5162375272634E+17
fi_gradi : = 27968.513928159
t1 : = 1.0809053826154E-14
tpunto1 : = 1.0006213169898
tduepunti0 : = -1.7450873292391E+15
v=v_elettrone : = 5577279.5566923
x0= : -1.401984798747E-12
y0= : -3.5606408049991E-12
*****
i=30791
k(30791)=0.99988623951486
kQ(30791)=0.99977249197116
r1= : 3.8277731835189E-12
rpunto1: = 4521873.4431781
rduepunti0 : = -1.4506699146609E+25
fil : = 488.14275481359
fipunto1 : = 8.5138765453836E+17
fi_gradi : = 27968.519650708
t1 : = 1.0809053943506E-14
tpunto1 : = 1.000621112462
tduepunti0 : = -1.7439467540877E+15
v=v_elettrone : = 5575634.4062348
x0= : -1.4018234547623E-12
y0= : -3.5612746896674E-12
*****
i=30792
k(30792)=0.99988632508553
kQ(30792)=0.99977266309304
r1= : 3.8283035029278E-12
rpunto1: = 4520172.5427321
rduepunti0 : = -1.4503064432289E+25
fil : = 488.14285466322
fipunto1 : = 8.5115174327821E+17
fi_gradi : = 27968.52537167
t1 : = 1.0809054060857E-14
tpunto1 : = 1.0006209080679
tduepunti0 : = -1.742807091311E+15
v=v_elettrone : = 5573989.8464346
x0= : -1.401662023735E-12
y0= : -3.5619083530723E-12
```

```
*****
i=30793
k(30793)=0.99988641060258
kQ(30793)=0.9997728341077
r1= : 3.8288336228572E-12
rpunto1: = 4518472.0682421
rduepunti0 : = -1.4499432434789E+25
fil : = 488.14295448518
fipunto1 : = 8.5091601875859E+17
fi_gradi : = 27968.531091048
t1 : = 1.0809054178209E-14
tpunto1 : = 1.0006207038073
tduepunti0 : = -1.7416683398318E+15
v=v_elettrone : = 5572345.8762917
x0= : -1.401500505711E-12
y0= : -3.5625417952665E-12
*****
i=30794
k(30794)=0.99988649606605
kQ(30794)=0.99977300501524
r1= : 3.8293635433572E-12
rpunto1: = 4516772.0193897
rduepunti0 : = -1.4495803151586E+25
fil : = 488.1430542795
fipunto1 : = 8.5068048079244E+17
fi_gradi : = 27968.536808841
t1 : = 1.080905429556E-14
tpunto1 : = 1.0006204996802
tduepunti0 : = -1.7405304985744E+15
v=v_elettrone : = 5570702.4947963
x0= : -1.4013389007366E-12
y0= : -3.5631750163028E-12
*****
i=30795
k(30795)=0.99988658147598
kQ(30795)=0.99977317581573
r1= : 3.8298932644777E-12
rpunto1: = 4515072.3958569
rduepunti0 : = -1.4492176580158E+25
fil : = 488.1431540462
fipunto1 : = 8.5044512919295E+17
fi_gradi : = 27968.542525051
t1 : = 1.0809054412912E-14
tpunto1 : = 1.0006202956863
tduepunti0 : = -1.7393935664647E+15
v=v_elettrone : = 5569059.702036
x0= : -1.4011772088579E-12
y0= : -3.5638080162336E-12
*****
i=30796
k(30796)=0.99988666683242
kQ(30796)=0.99977334650924
r1= : 3.8304227862686E-12
rpunto1: = 4513373.1973258
rduepunti0 : = -1.4488552717988E+25
fil : = 488.14325378529
fipunto1 : = 8.5020996377357E+17
fi_gradi : = 27968.548239681
t1 : = 1.0809054530263E-14
tpunto1 : = 1.0006200918258
tduepunti0 : = -1.7382575424301E+15
v=v_elettrone : = 5567417.4970074
x0= : -1.4010154301208E-12
y0= : -3.5644407951115E-12
```

```
*****
i=30797
k(30797)=0.9998867521354
kQ(30797)=0.99977351709587
r1= : 3.8309521087797E-12
rpunto1: = 4511674.4234792
rduepunti0 : = -1.4484931562562E+25
fil : = 488.1433534968
fipunto1 : = 8.49974984348E+17
fi_gradi : = 27968.553952729
t1 : = 1.0809054647615E-14
tpunto1 : = 1.0006198880983
tduepunti0 : = -1.7371224253996E+15
v=v_elettrone : = 5565775.8797846
x0= : -1.4008535645717E-12
y0= : -3.5650733529891E-12
*****
i=30798
k(30798)=0.99988683738496
kQ(30798)=0.9997736875757
r1= : 3.8314812320609E-12
rpunto1: = 4509976.0739998
rduepunti0 : = -1.4481313111369E+25
fil : = 488.14345318076
fipunto1 : = 8.4974019073022E+17
fi_gradi : = 27968.559664199
t1 : = 1.0809054764966E-14
tpunto1 : = 1.0006196845039
tduepunti0 : = -1.7359882143038E+15
v=v_elettrone : = 5564134.8504533
x0= : -1.4006916122565E-12
y0= : -3.5657056899186E-12
*****
i=30799
k(30799)=0.99988692258114
kQ(30799)=0.99977385794879
r1= : 3.8320101561618E-12
rpunto1: = 4508278.1485707
rduepunti0 : = -1.44776973619E+25
fil : = 488.14355283718
fipunto1 : = 8.4950558273442E+17
fi_gradi : = 27968.565374092
t1 : = 1.0809054882317E-14
tpunto1 : = 1.0006194810424
tduepunti0 : = -1.7348549080748E+15
v=v_elettrone : = 5562494.4091094
x0= : -1.4005295732211E-12
y0= : -3.5663378059527E-12
*****
i=30800
k(30800)=0.99988700772399
kQ(30800)=0.99977402821523
r1= : 3.8325388811322E-12
rpunto1: = 4506580.6468755
rduepunti0 : = -1.4474084311651E+25
fil : = 488.14365246608
fipunto1 : = 8.4927116017508E+17
fi_gradi : = 27968.571082407
t1 : = 1.0809054999669E-14
tpunto1 : = 1.0006192777137
tduepunti0 : = -1.7337225056462E+15
v=v_elettrone : = 5560854.5536371
x0= : -1.4003674475114E-12
y0= : -3.5669697011437E-12
```



```
*****
i=30801
k(30801)=0.99988709281354
kQ(30801)=0.99977419837511
r1= : 3.8330674070219E-12
rpunto1: = 4504883.5685978
rduepunti0 : = -1.447047395812E+25
fil : = 488.14375206749
fipunto1 : = 8.490369228669E+17
fi_gradi : = 27968.576789148
t1 : = 1.080905511702E-14
tpunto1 : = 1.0006190745177
tduepunti0 : = -1.7325910059534E+15
v=v_elettrone : = 5559215.2852213
x0= : -1.4002052351735E-12
y0= : -3.5676013755439E-12
*****
i=30802
k(30802)=0.99988717784983
kQ(30802)=0.99977436842849
r1= : 3.8335957338804E-12
rpunto1: = 4503186.9134216
rduepunti0 : = -1.4466866298809E+25
fil : = 488.14385164143
fipunto1 : = 8.4880287062487E+17
fi_gradi : = 27968.582494314
t1 : = 1.0809055234371E-14
tpunto1 : = 1.0006188714542
tduepunti0 : = -1.731460407933E+15
v=v_elettrone : = 5557576.6039405
x0= : -1.4000429362531E-12
y0= : -3.5682328292057E-12
*****
i=30803
k(30803)=0.9998872628329
kQ(30803)=0.99977453837547
r1= : 3.8341238617574E-12
rpunto1: = 4501490.6810314
rduepunti0 : = -1.4463261331223E+25
fil : = 488.14395118793
fipunto1 : = 8.485690032642E+17
fi_gradi : = 27968.588197908
t1 : = 1.0809055351723E-14
tpunto1 : = 1.0006186685233
tduepunti0 : = -1.7303307105234E+15
v=v_elettrone : = 5555938.5077103
x0= : -1.3998805507959E-12
y0= : -3.5688640621813E-12
*****
i=30804
k(30804)=0.99988734776279
kQ(30804)=0.99977470821611
r1= : 3.8346517907026E-12
rpunto1: = 4499794.8711117
rduepunti0 : = -1.4459659052869E+25
fil : = 488.14405070699
fipunto1 : = 8.4833532060036E+17
fi_gradi : = 27968.593899931
t1 : = 1.0809055469074E-14
tpunto1 : = 1.0006184657248
tduepunti0 : = -1.7292019126644E+15
v=v_elettrone : = 5554300.9965959
x0= : -1.3997180788479E-12
y0= : -3.569495074523E-12
```

```
*****
i=30805
k(30805)=0.99988743263955
kQ(30805)=0.99977487795051
r1= : 3.8351795207653E-12
rpunto1: = 4498099.4833473
rduepunti0 : = -1.4456059461259E+25
fil : = 488.14415019865
fipunto1 : = 8.4810182244908E+17
fi_gradi : = 27968.599600383
t1 : = 1.0809055586425E-14
tpunto1 : = 1.0006182630585
tduepunti0 : = -1.7280740132975E+15
v=v_elettrone : = 5552664.0717698
x0= : -1.399555520455E-12
y0= : -3.5701258662829E-12
*****
i=30806
k(30806)=0.99988751746321
kQ(30806)=0.99977504757873
r1= : 3.8357070519952E-12
rpunto1: = 4496404.5174236
rduepunti0 : = -1.4452462553907E+25
fil : = 488.14424966292
fipunto1 : = 8.4786850862633E+17
fi_gradi : = 27968.605299266
t1 : = 1.0809055703776E-14
tpunto1 : = 1.0006180605244
tduepunti0 : = -1.7269470113656E+15
v=v_elettrone : = 5551027.7311501
x0= : -1.3993928756626E-12
y0= : -3.5707564375133E-12
*****
i=30807
k(30807)=0.9998876022338
kQ(30807)=0.99977521710086
r1= : 3.8362343844417E-12
rpunto1: = 4494709.9730259
rduepunti0 : = -1.444886832833E+25
fil : = 488.14434909983
fipunto1 : = 8.4763537894833E+17
fi_gradi : = 27968.610996581
t1 : = 1.0809055821127E-14
tpunto1 : = 1.0006178581224
tduepunti0 : = -1.7258209058132E+15
v=v_elettrone : = 5549391.9758942
x0= : -1.3992301445166E-12
y0= : -3.5713867882661E-12
*****
i=30808
k(30808)=0.99988768695138
kQ(30808)=0.99977538651698
r1= : 3.8367615181542E-12
rpunto1: = 4493015.8498401
rduepunti0 : = -1.444527678205E+25
fil : = 488.1444485094
fipunto1 : = 8.4740243323156E+17
fi_gradi : = 27968.61669233
t1 : = 1.0809055938479E-14
tpunto1 : = 1.0006176558523
tduepunti0 : = -1.7246956955862E+15
v=v_elettrone : = 5547756.8039102
x0= : -1.3990673270625E-12
y0= : -3.5720169185936E-12
```

```
*****
i=30809
k(30809)=0.99988777161598
kQ(30809)=0.99977555582716
r1= : 3.8372884531822E-12
rpunto1: = 4491322.1475522
rduepunti0 : = -1.4441687912589E+25
fil : = 488.14454789165
fipunto1 : = 8.4716967129275E+17
fi_gradi : = 27968.622386513
t1 : = 1.080905605583E-14
tpunto1 : = 1.0006174537142
tduepunti0 : = -1.7235713796323E+15
v=v_elettrone : = 5546122.2163703
x0= : -1.398904423346E-12
y0= : -3.5726468285477E-12
*****
i=30810
k(30810)=0.99988785622763
kQ(30810)=0.99977572503149
r1= : 3.837815189575E-12
rpunto1: = 4489628.8658486
rduepunti0 : = -1.4438101717475E+25
fil : = 488.1446472466
fipunto1 : = 8.4693709294885E+17
fi_gradi : = 27968.628079133
t1 : = 1.0809056173181E-14
tpunto1 : = 1.0006172517077
tduepunti0 : = -1.7224479569005E+15
v=v_elettrone : = 5544488.2122734
x0= : -1.3987414334128E-12
y0= : -3.5732765181804E-12
*****
i=30811
k(30811)=0.99988794078639
kQ(30811)=0.99977589413004
r1= : 3.8383417273819E-12
rpunto1: = 4487936.0044159
rduepunti0 : = -1.4434518194237E+25
fil : = 488.14474657428
fipunto1 : = 8.467046980171E+17
fi_gradi : = 27968.633770189
t1 : = 1.0809056290532E-14
tpunto1 : = 1.0006170498329
tduepunti0 : = -1.7213254263413E+15
v=v_elettrone : = 5542854.7916772
x0= : -1.3985783573084E-12
y0= : -3.5739059875438E-12
*****
i=30812
k(30812)=0.99988802529228
kQ(30812)=0.99977606312289
r1= : 3.8388680666523E-12
rpunto1: = 4486243.562941
rduepunti0 : = -1.4430937340409E+25
fil : = 488.1448458747
fipunto1 : = 8.4647248631496E+17
fi_gradi : = 27968.639459684
t1 : = 1.0809056407883E-14
tpunto1 : = 1.0006168480897
tduepunti0 : = -1.7202037869069E+15
v=v_elettrone : = 5541221.9546946
x0= : -1.3984151950782E-12
y0= : -3.5745352366896E-12
```

```
*****
i=30813
k(30813)=0.99988810974535
kQ(30813)=0.99977623201012
r1= : 3.8393942074353E-12
rpunto1 : = 4484551.5411113
rduepunti0 : = -1.4427359153528E+25
fil : = 488.14494514789
fipunto1 : = 8.4624045766014E+17
fi_gradi : = 27968.645147619
t1 : = 1.0809056525234E-14
tpunto1 : = 1.0006166464778
tduepunti0 : = -1.7190830375509E+15
v=v_elettrone : = 5539589.6992005
x0= : -1.3982519467676E-12
y0= : -3.57516426567E-12
*****
i=30814
k(30814)=0.99988819414563
kQ(30814)=0.99977640079182
r1= : 3.8399201497802E-12
rpunto1 : = 4482859.9386141
rduepunti0 : = -1.4423783631132E+25
fil : = 488.14504439386
fipunto1 : = 8.4600861187061E+17
fi_gradi : = 27968.650833995
t1 : = 1.0809056642585E-14
tpunto1 : = 1.0006164449974
tduepunti0 : = -1.7179631772285E+15
v=v_elettrone : = 5537958.0263781
x0= : -1.3980886124222E-12
y0= : -3.5757930745365E-12
*****
i=30815
k(30815)=0.99988827849318
kQ(30815)=0.99977656946805
r1= : 3.8404458937362E-12
rpunto1 : = 4481168.7551374
rduepunti0 : = -1.4420210770764E+25
fil : = 488.14514361265
fipunto1 : = 8.4577694876458E+17
fi_gradi : = 27968.656518812
t1 : = 1.0809056759936E-14
tpunto1 : = 1.0006162436481
tduepunti0 : = -1.7168442048963E+15
v=v_elettrone : = 5536326.9363178
x0= : -1.3979251920873E-12
y0= : -3.5764216633412E-12
*****
i=30816
k(30816)=0.99988836278801
kQ(30816)=0.99977673803889
r1= : 3.8409714393524E-12
rpunto1 : = 4479477.9903691
rduepunti0 : = -1.441664056997E+25
fil : = 488.14524280426
fipunto1 : = 8.455454681605E+17
fi_gradi : = 27968.662202073
t1 : = 1.0809056877287E-14
tpunto1 : = 1.00061604243
tduepunti0 : = -1.7157261195125E+15
v=v_elettrone : = 5534696.4269014
x0= : -1.3977616858083E-12
y0= : -3.5770500321357E-12
```

```
*****
i=30817
k(30817)=0.99988844703018
kQ(30817)=0.99977690650443
r1= : 3.841496786678E-12
rpunto1 : = 4477787.6439977
rduepunti0 : = -1.4413073026299E+25
fil : = 488.14534196873
fipunto1 : = 8.4531416987708E+17
fi_gradi : = 27968.667883779
t1 : = 1.0809056994638E-14
tpunto1 : = 1.0006158413429
tduepunti0 : = -1.7146089200367E+15
v=v_elettrone : = 5533066.4993098
x0= : -1.3975980936306E-12
y0= : -3.5776781809718E-12
*****
i=30818
k(30818)=0.99988853121973
kQ(30818)=0.99977707486475
r1= : 3.8420219357619E-12
rpunto1 : = 4476097.7157118
rduepunti0 : = -1.4409508137302E+25
fil : = 488.14544110607
fipunto1 : = 8.4508305373325E+17
fi_gradi : = 27968.67356393
t1 : = 1.0809057111989E-14
tpunto1 : = 1.0006156403867
tduepunti0 : = -1.7134926054302E+15
v=v_elettrone : = 5531437.1525364
x0= : -1.3974344155993E-12
y0= : -3.5783061099011E-12
*****
i=30819
k(30819)=0.99988861535669
kQ(30819)=0.99977724311991
r1= : 3.8425468866532E-12
rpunto1 : = 4474408.2052004
rduepunti0 : = -1.4405945900534E+25
fil : = 488.14554021631
fipunto1 : = 8.4485211954822E+17
fi_gradi : = 27968.679242528
t1 : = 1.080905722934E-14
tpunto1 : = 1.0006154395614
tduepunti0 : = -1.7123771746556E+15
v=v_elettrone : = 5529808.3866512
x0= : -1.3972706517599E-12
y0= : -3.5789338189754E-12
*****
i=30820
k(30820)=0.99988869944109
kQ(30820)=0.99977741127
r1= : 3.8430716394009E-12
rpunto1 : = 4472719.1121526
rduepunti0 : = -1.4402386313554E+25
fil : = 488.14563929946
fipunto1 : = 8.4462136714142E+17
fi_gradi : = 27968.684919575
t1 : = 1.0809057346691E-14
tpunto1 : = 1.0006152388667
tduepunti0 : = -1.7112626266771E+15
v=v_elettrone : = 5528180.200657
x0= : -1.3971068021574E-12
y0= : -3.5795613082463E-12
```

```
*****
i=30821
k(30821)=0.99988878347299
kQ(30821)=0.9997775793151
r1= : 3.843596194054E-12
rpunto1 : = 4471030.4362582
rduepunti0 : = -1.4398829373922E+25
fil : = 488.14573835555
fipunto1 : = 8.4439079633254E+17
fi_gradi : = 27968.69059507
t1 : = 1.0809057464041E-14
tpunto1 : = 1.0006150383027
tduepunti0 : = -1.7101489604604E+15
v=v_elettrone : = 5526552.5946198
x0= : -1.3969428668371E-12
y0= : -3.5801885777652E-12
*****
i=30822
k(30822)=0.99988886745242
kQ(30822)=0.99977774725529
r1= : 3.8441205506614E-12
rpunto1 : = 4469342.1772067
rduepunti0 : = -1.4395275079203E+25
fil : = 488.1458373846
fipunto1 : = 8.4416040694149E+17
fi_gradi : = 27968.696269017
t1 : = 1.0809057581392E-14
tpunto1 : = 1.0006148378692
tduepunti0 : = -1.7090361749726E+15
v=v_elettrone : = 5524925.5686383
x0= : -1.3967788458443E-12
y0= : -3.5808156275838E-12
*****
i=30823
k(30823)=0.999888895137942
kQ(30823)=0.99977791509064
r1= : 3.844644709272E-12
rpunto1 : = 4467654.3346884
rduepunti0 : = -1.4391723426965E+25
fil : = 488.14593638663
fipunto1 : = 8.4393019878845E+17
fi_gradi : = 27968.701941415
t1 : = 1.0809057698743E-14
tpunto1 : = 1.000614637566
tduepunti0 : = -1.7079242691826E+15
v=v_elettrone : = 5523299.1227818
x0= : -1.3966147392239E-12
y0= : -3.5814424577536E-12
*****
i=30824
k(30824)=0.99988903525403
kQ(30824)=0.99977808282122
r1= : 3.8451686699347E-12
rpunto1 : = 4465966.9083936
rduepunti0 : = -1.4388174414777E+25
fil : = 488.14603536166
fipunto1 : = 8.4370017169382E+17
fi_gradi : = 27968.707612267
t1 : = 1.0809057816094E-14
tpunto1 : = 1.0006144373932
tduepunti0 : = -1.7068132420603E+15
v=v_elettrone : = 5521673.254943
x0= : -1.3964505470209E-12
y0= : -3.5820690683261E-12
```

```
*****
i=30825
k(30825)=0.99988911907628
kQ(30825)=0.99977825044713
r1= : 3.8456924326981E-12
rpunto1: = 4464279.898013
rduepunti0 : = -1.4384628040213E+25
fil : = 488.14613430971
fipunto1 : = 8.4347032547827E+17
fi_gradi : = 27968.713281573
t1 : = 1.0809057933445E-14
tpunto1 : = 1.0006142373506
tduepunti0 : = -1.7057030925774E+15
v=v_elettrone : = 5520047.9652105
x0= : -1.3962862692805E-12
y0= : -3.5826954593526E-12
*****
i=30826
k(30826)=0.99988920284621
kQ(30826)=0.99977841796843
r1= : 3.8462159976113E-12
rpunto1: = 4462593.3032375
rduepunti0 : = -1.4381084300849E+25
fil : = 488.14623323081
fipunto1 : = 8.4324065996268E+17
fi_gradi : = 27968.718949334
t1 : = 1.0809058050795E-14
tpunto1 : = 1.000614037438
tduepunti0 : = -1.7045938197071E+15
v=v_elettrone : = 5518423.2547638
x0= : -1.3961219060479E-12
y0= : -3.5833216308845E-12
*****
i=30827
k(30827)=0.99988928656387
kQ(30827)=0.99977858538521
r1= : 3.8467393647227E-12
rpunto1: = 4460907.1237584
rduepunti0 : = -1.4377543194266E+25
fil : = 488.14633212497
fipunto1 : = 8.4301117496821E+17
fi_gradi : = 27968.724615552
t1 : = 1.0809058168146E-14
tpunto1 : = 1.0006138376555
tduepunti0 : = -1.703485422424E+15
v=v_elettrone : = 5516799.1225673
x0= : -1.3959574573678E-12
y0= : -3.5839475829733E-12
*****
i=30828
k(30828)=0.99988937022929
kQ(30828)=0.99977875269753
r1= : 3.8472625340813E-12
rpunto1: = 4459221.3592671
rduepunti0 : = -1.4374004718045E+25
fil : = 488.14643099222
fipunto1 : = 8.4278187031622E+17
fi_gradi : = 27968.730280229
t1 : = 1.0809058285497E-14
tpunto1 : = 1.0006136380028
tduepunti0 : = -1.7023778997042E+15
v=v_elettrone : = 5515175.567634
x0= : -1.3957929232852E-12
y0= : -3.5845733156701E-12
```

```
*****
i=30829
k(30829)=0.99988945384251
kQ(30829)=0.99977891990548
r1= : 3.8477855057356E-12
rpunto1: = 4457536.0094555
rduepunti0 : = -1.4370468869774E+25
fil : = 488.14652983258
fipunto1 : = 8.4255274582834E+17
fi_gradi : = 27968.735943364
t1 : = 1.0809058402847E-14
tpunto1 : = 1.00061343848
tduepunti0 : = -1.7012712505252E+15
v=v_elettrone : = 5513552.5900279
x0= : -1.3956283038451E-12
y0= : -3.5851988290264E-12
*****
i=30830
k(30830)=0.99988953740358
kQ(30830)=0.99977908700914
r1= : 3.8483082797342E-12
rpunto1: = 4455851.0740156
rduepunti0 : = -1.4366935647039E+25
fil : = 488.14662864606
fipunto1 : = 8.4232380132644E+17
fi_gradi : = 27968.741604959
t1 : = 1.0809058520198E-14
tpunto1 : = 1.0006132390868
tduepunti0 : = -1.7001654738661E+15
v=v_elettrone : = 5511930.1898354
x0= : -1.3954635990923E-12
y0= : -3.5858241230932E-12
*****
i=30831
k(30831)=0.99988962091252
kQ(30831)=0.99977925400858
r1= : 3.8488308561259E-12
rpunto1: = 4454166.5526399
rduepunti0 : = -1.4363405047434E+25
fil : = 488.1467274327
fipunto1 : = 8.420950366326E+17
fi_gradi : = 27968.747265017
t1 : = 1.0809058637549E-14
tpunto1 : = 1.0006130398232
tduepunti0 : = -1.6990605687074E+15
v=v_elettrone : = 5510308.3671434
x0= : -1.3952988090716E-12
y0= : -3.5864491979219E-12
*****
i=30832
k(30832)=0.99988970436937
kQ(30832)=0.99977942090387
r1= : 3.8493532349591E-12
rpunto1: = 4452482.4450209
rduepunti0 : = -1.4359877068552E+25
fil : = 488.14682619251
fipunto1 : = 8.4186645156919E+17
fi_gradi : = 27968.752923537
t1 : = 1.0809058754899E-14
tpunto1 : = 1.0006128406891
tduepunti0 : = -1.6979565340311E+15
v=v_elettrone : = 5508687.1198326
x0= : -1.3951339338277E-12
y0= : -3.5870740535636E-12
```



```
*****
i=30833
k(30833)=0.99988978777419
kQ(30833)=0.99977958769511
r1= : 3.8498754162823E-12
rpunto1 : = 4450798.7508515
rduepunti0 : = -1.4356351707993E+25
fil : = 488.1469249255
fipunto1 : = 8.4163804595878E+17
fi_gradi : = 27968.758580521
t1 : = 1.080905887225E-14
tpunto1 : = 1.0006126416843
tduepunti0 : = -1.6968533688206E+15
v=v_elettrone : = 5507066.4490828
x0= : -1.3949689734056E-12
y0= : -3.5876986900694E-12
*****
i=30834
k(30834)=0.99988987112699
kQ(30834)=0.99977975438235
r1= : 3.8503974001441E-12
rpunto1 : = 4449115.4698251
rduepunti0 : = -1.4352828963356E+25
fil : = 488.14702363171
fipunto1 : = 8.4140981962418E+17
fi_gradi : = 27968.76423597
t1 : = 1.08090589896E-14
tpunto1 : = 1.0006124428089
tduepunti0 : = -1.6957510720608E+15
v=v_elettrone : = 5505446.3538706
x0= : -1.3948039278498E-12
y0= : -3.5883231074904E-12
*****
i=30835
k(30835)=0.99988995442783
kQ(30835)=0.99977992096569
r1= : 3.8509191865929E-12
rpunto1 : = 4447432.601635
rduepunti0 : = -1.4349308832246E+25
fil : = 488.14712231116
fipunto1 : = 8.4118177238847E+17
fi_gradi : = 27968.769889886
t1 : = 1.0809059106951E-14
tpunto1 : = 1.0006122440626
tduepunti0 : = -1.6946496427381E+15
v=v_elettrone : = 5503826.8342959
x0= : -1.3946387972052E-12
y0= : -3.5889473058776E-12
*****
i=30836
k(30836)=0.99989003767674
kQ(30836)=0.99978008744519
r1= : 3.8514407756771E-12
rpunto1 : = 4445750.1459751
rduepunti0 : = -1.434579131227E+25
fil : = 488.14722096386
fipunto1 : = 8.4095390407493E+17
fi_gradi : = 27968.775542269
t1 : = 1.0809059224301E-14
tpunto1 : = 1.0006120454453
tduepunti0 : = -1.6935490798403E+15
v=v_elettrone : = 5502207.8904185
x0= : -1.3944735815164E-12
y0= : -3.5895712852821E-12
```

```
*****
i=30837
k(30837)=0.99989012087376
kQ(30837)=0.99978025382093
r1= : 3.8519621674451E-12
rpunto1: = 4444068.1025394
rduepunti0 : = -1.4342276401037E+25
fil : = 488.14731958983
fipunto1 : = 8.4072621450711E+17
fi_gradi : = 27968.781193121
t1 : = 1.0809059341652E-14
tpunto1 : = 1.0006118469571
tduepunti0 : = -1.6924493823568E+15
v=v_elettrone : = 5500589.5201439
x0= : -1.3943082808279E-12
y0= : -3.5901950457548E-12
*****
i=30838
k(30838)=0.99989020401892
kQ(30838)=0.999780420093
r1= : 3.8524833619452E-12
rpunto1: = 4442386.4710222
rduepunti0 : = -1.4338764096161E+25
fil : = 488.1474181891
fipunto1 : = 8.4049870350878E+17
fi_gradi : = 27968.786842443
t1 : = 1.0809059459002E-14
tpunto1 : = 1.0006116485977
tduepunti0 : = -1.6913505492782E+15
v=v_elettrone : = 5498971.7257305
x0= : -1.3941428951845E-12
y0= : -3.5908185873467E-12
*****
i=30839
k(30839)=0.99989028711227
kQ(30839)=0.99978058626145
r1= : 3.8530043592258E-12
rpunto1: = 4440705.2511182
rduepunti0 : = -1.4335254395258E+25
fil : = 488.14751676169
fipunto1 : = 8.4027137090394E+17
fi_gradi : = 27968.792490237
t1 : = 1.0809059576353E-14
tpunto1 : = 1.0006114503671
tduepunti0 : = -1.6902525795967E+15
v=v_elettrone : = 5497354.5050761
x0= : -1.3939774246306E-12
y0= : -3.5914419101086E-12
*****
i=30840
k(30840)=0.99989037015384
kQ(30840)=0.99978075232638
r1= : 3.8535251593351E-12
rpunto1: = 4439024.4425221
rduepunti0 : = -1.4331747295946E+25
fil : = 488.14761530762
fipunto1 : = 8.4004421651686E+17
fi_gradi : = 27968.798136502
t1 : = 1.0809059693703E-14
tpunto1 : = 1.0006112522651
tduepunti0 : = -1.689155472306E+15
v=v_elettrone : = 5495737.8582606
x0= : -1.3938118692107E-12
y0= : -3.5920650140915E-12
```

```
*****
i=30841
k(30841)=0.99989045314367
kQ(30841)=0.99978091828786
r1= : 3.8540457623214E-12
rpunto1: = 4437344.0449293
rduepunti0 : = -1.4328242795848E+25
fil : = 488.14771382691
fipunto1 : = 8.3981724017201E+17
fi_gradi : = 27968.803781242
t1 : = 1.0809059811053E-14
tpunto1 : = 1.0006110542918
tduepunti0 : = -1.6880592264012E+15
v=v_elettrone : = 5494121.7842589
x0= : -1.3936462289694E-12
y0= : -3.5926878993461E-12
*****
i=30842
k(30842)=0.99989053608181
kQ(30842)=0.99978108414597
r1= : 3.8545661682329E-12
rpunto1: = 4435664.0580351
rduepunti0 : = -1.4324740892589E+25
fil : = 488.14781231958
fipunto1 : = 8.3959044169411E+17
fi_gradi : = 27968.809424456
t1 : = 1.0809059928404E-14
tpunto1 : = 1.0006108564468
tduepunti0 : = -1.6869638408788E+15
v=v_elettrone : = 5492506.2842518
x0= : -1.3934805039512E-12
y0= : -3.5933105659232E-12
*****
i=30843
k(30843)=0.99989061896828
kQ(30843)=0.99978124990077
r1= : 3.8550863771176E-12
rpunto1: = 4433984.4815353
rduepunti0 : = -1.4321241583796E+25
fil : = 488.14791078565
fipunto1 : = 8.3936382090812E+17
fi_gradi : = 27968.815066146
t1 : = 1.0809060045754E-14
tpunto1 : = 1.0006106587303
tduepunti0 : = -1.6858693147367E+15
v=v_elettrone : = 5490891.357224
x0= : -1.3933146942005E-12
y0= : -3.5939330138736E-12
*****
i=30844
k(30844)=0.99989070180313
kQ(30844)=0.99978141555235
r1= : 3.8556063890239E-12
rpunto1: = 4432305.3151258
rduepunti0 : = -1.4317744867101E+25
fil : = 488.14800922514
fipunto1 : = 8.3913737763923E+17
fi_gradi : = 27968.820706314
t1 : = 1.0809060163104E-14
tpunto1 : = 1.000610461142
tduepunti0 : = -1.6847756469743E+15
v=v_elettrone : = 5489277.0032608
x0= : -1.3931487997615E-12
y0= : -3.5945552432479E-12
```

```
*****
i=30845
k(30845)=0.99989078458639
kQ(30845)=0.99978158110078
r1= : 3.8561262039997E-12
rpunto1: = 4430626.558503
rduepunti0 : = -1.4314250740137E+25
fil : = 488.14810763808
fipunto1 : = 8.3891111171286E+17
fi_gradi : = 27968.82634496
t1 : = 1.0809060280455E-14
tpunto1 : = 1.0006102636819
tduepunti0 : = -1.6836828365926E+15
v=v_elettrone : = 5487663.2213305
x0= : -1.3929828206786E-12
y0= : -3.5951772540969E-12
*****
i=30846
k(30846)=0.9998908673181
kQ(30846)=0.99978174654614
r1= : 3.8566458220931E-12
rpunto1: = 4428948.2113633
rduepunti0 : = -1.4310759200542E+25
fil : = 488.14820602447
fipunto1 : = 8.3868502295468E+17
fi_gradi : = 27968.831982085
t1 : = 1.0809060397805E-14
tpunto1 : = 1.0006100663498
tduepunti0 : = -1.6825908825937E+15
v=v_elettrone : = 5486050.0115289
x0= : -1.3928167569962E-12
y0= : -3.5957990464713E-12
*****
i=30847
k(30847)=0.9998909499983
kQ(30847)=0.9997819118885
r1= : 3.8571652433522E-12
rpunto1: = 4427270.2734038
rduepunti0 : = -1.4307270245955E+25
fil : = 488.14830438436
fipunto1 : = 8.3845911119059E+17
fi_gradi : = 27968.837617691
t1 : = 1.0809060515155E-14
tpunto1 : = 1.0006098691457
tduepunti0 : = -1.6814997839813E+15
v=v_elettrone : = 5484437.3728217
x0= : -1.3926506087584E-12
y0= : -3.5964206204215E-12
*****
i=30848
k(30848)=0.99989103262703
kQ(30848)=0.99978207712795
r1= : 3.8576844678249E-12
rpunto1: = 4425592.7443213
rduepunti0 : = -1.430378387402E+25
fil : = 488.14840271775
fipunto1 : = 8.382333762467E+17
fi_gradi : = 27968.843251779
t1 : = 1.0809060632505E-14
tpunto1 : = 1.0006096720695
tduepunti0 : = -1.6804095397607E+15
v=v_elettrone : = 5482825.3052989
x0= : -1.3924843760097E-12
y0= : -3.5970419759982E-12
```

```
*****
i=30849
k(30849)=0.99989111520432
kQ(30849)=0.99978224226455
r1= : 3.8582034955591E-12
rpunto1 : = 4423915.6238134
rduepunti0 : = -1.4300300082381E+25
fil : = 488.14850102466
fipunto1 : = 8.3800781794939E+17
fi_gradi : = 27968.848884351
t1 : = 1.0809060749856E-14
tpunto1 : = 1.000609475121
tduepunti0 : = -1.6793201489383E+15
v=v_elettrone : = 5481213.8090424
x0= : -1.3923180587942E-12
y0= : -3.5976631132518E-12
*****
i=30850
k(30850)=0.99989119773022
kQ(30850)=0.99978240729837
r1= : 3.8587223266029E-12
rpunto1 : = 4422238.9115777
rduepunti0 : = -1.4296818868688E+25
fil : = 488.14859930512
fipunto1 : = 8.3778243612525E+17
fi_gradi : = 27968.854515406
t1 : = 1.0809060867206E-14
tpunto1 : = 1.0006092783002
tduepunti0 : = -1.6782316105222E+15
v=v_elettrone : = 5479602.8841285
x0= : -1.3921516571563E-12
y0= : -3.5982840322328E-12
*****
i=30851
k(30851)=0.99989128020476
kQ(30851)=0.99978257222951
r1= : 3.8592409610041E-12
rpunto1 : = 4420562.6073121
rduepunti0 : = -1.4293340230593E+25
fil : = 488.14869755915
fipunto1 : = 8.375572306011E+17
fi_gradi : = 27968.860144948
t1 : = 1.0809060984556E-14
tpunto1 : = 1.000609081607
tduepunti0 : = -1.6771439235216E+15
v=v_elettrone : = 5477992.5295345
x0= : -1.3919851711397E-12
y0= : -3.5989047329918E-12
*****
i=30852
k(30852)=0.99989136262797
kQ(30852)=0.99978273705803
r1= : 3.8597593988104E-12
rpunto1 : = 4418886.7107148
rduepunti0 : = -1.428986416575E+25
fil : = 488.14879578677
fipunto1 : = 8.37332201204E+17
fi_gradi : = 27968.865772975
t1 : = 1.0809061101906E-14
tpunto1 : = 1.0006088850412
tduepunti0 : = -1.6760570869476E+15
v=v_elettrone : = 5476382.7442359
x0= : -1.3918186007888E-12
y0= : -3.5995252155791E-12
```

```
*****
i=30853
k(30853)=0.99989144499991
kQ(30853)=0.999782901784
r1= : 3.8602776400698E-12
rpunto1 : = 4417211.2214844
rduepunti0 : = -1.4286390671816E+25
fil : = 488.148893988
fipunto1 : = 8.3710734776126E+17
fi_gradi : = 27968.871399491
t1 : = 1.0809061219256E-14
tpunto1 : = 1.0006086886028
tduepunti0 : = -1.6749710998122E+15
v=v_elettrone : = 5474773.5294355
x0= : -1.3916519461476E-12
y0= : -3.6001454800451E-12
*****
i=30854
k(30854)=0.99989152732059
kQ(30854)=0.9997830664075
r1= : 3.8607956848301E-12
rpunto1 : = 4415536.1393196
rduepunti0 : = -1.4282919746453E+25
fil : = 488.14899216285
fipunto1 : = 8.3688267010038E+17
fi_gradi : = 27968.877024496
t1 : = 1.0809061336606E-14
tpunto1 : = 1.0006084922916
tduepunti0 : = -1.6738859611291E+15
v=v_elettrone : = 5473164.8840844
x0= : -1.3914852072602E-12
y0= : -3.6007655264401E-12
*****
i=30855
k(30855)=0.99989160959007
kQ(30855)=0.99978323092862
r1= : 3.8613135331389E-12
rpunto1 : = 4413861.4639194
rduepunti0 : = -1.4279451387324E+25
fil : = 488.14909031136
fipunto1 : = 8.3665816804913E+17
fi_gradi : = 27968.882647991
t1 : = 1.0809061453956E-14
tpunto1 : = 1.0006082961076
tduepunti0 : = -1.6728016699134E+15
v=v_elettrone : = 5471556.8082788
x0= : -1.3913183841706E-12
y0= : -3.6013853548144E-12
*****
i=30856
k(30856)=0.99989169180837
kQ(30856)=0.99978339534741
r1= : 3.8618311850439E-12
rpunto1 : = 4412187.1949831
rduepunti0 : = -1.4275985592095E+25
fil : = 488.14918843354
fipunto1 : = 8.3643384143548E+17
fi_gradi : = 27968.888269978
t1 : = 1.0809061571306E-14
tpunto1 : = 1.0006081000507
tduepunti0 : = -1.6717182251816E+15
v=v_elettrone : = 5469949.3009958
x0= : -1.3911514769226E-12
y0= : -3.6020049652183E-12
```

```
*****
i=30857
k(30857)=0.99989177397554
kQ(30857)=0.99978355966396
r1= : 3.8623486405928E-12
rpunto1 : = 4410513.3322104
rduepunti0 : = -1.4272522358436E+25
fil : = 488.1492865294
fipunto1 : = 8.3620969008766E+17
fi_gradi : = 27968.893890457
t1 : = 1.0809061688656E-14
tpunto1 : = 1.0006079041207
tduepunti0 : = -1.6706356259514E+15
v=v_elettrone : = 5468342.3623083
x0= : -1.3909844855602E-12
y0= : -3.6026243577021E-12
*****
i=30858
k(30858)=0.99989185609162
kQ(30858)=0.99978372387834
r1= : 3.8628658998334E-12
rpunto1 : = 4408839.875301
rduepunti0 : = -1.4269061684019E+25
fil : = 488.14938459898
fipunto1 : = 8.3598571383411E+17
fi_gradi : = 27968.89950943
t1 : = 1.0809061806006E-14
tpunto1 : = 1.0006077083176
tduepunti0 : = -1.6695538712423E+15
v=v_elettrone : = 5466735.9911995
x0= : -1.3908174101273E-12
y0= : -3.6032435323159E-12
*****
i=30859
k(30859)=0.99989193815664
kQ(30859)=0.99978388799063
r1= : 3.8633829628131E-12
rpunto1 : = 4407166.8239552
rduepunti0 : = -1.4265603566519E+25
fil : = 488.1494826423
fipunto1 : = 8.357619125035E+17
fi_gradi : = 27968.905126898
t1 : = 1.0809061923356E-14
tpunto1 : = 1.0006075126413
tduepunti0 : = -1.6684729600748E+15
v=v_elettrone : = 5465130.1888568
x0= : -1.390650250668E-12
y0= : -3.6038624891098E-12
*****
i=30860
k(30860)=0.99989202017063
kQ(30860)=0.9997840520009
r1= : 3.8638998295795E-12
rpunto1 : = 4405494.1778732
rduepunti0 : = -1.4262148003614E+25
fil : = 488.14958065936
fipunto1 : = 8.3553828592475E+17
fi_gradi : = 27968.910742862
t1 : = 1.0809062040706E-14
tpunto1 : = 1.0006073170916
tduepunti0 : = -1.667392891471E+15
v=v_elettrone : = 5463524.9542441
x0= : -1.3904830072259E-12
y0= : -3.604481228134E-12
```

```
*****
i=30861
k(30861)=0.99989210213364
kQ(30861)=0.99978421590923
r1= : 3.8644165001801E-12
rpunto1: = 4403821.9367558
rduepunti0 : = -1.4258694992985E+25
fil : = 488.1496786502
fipunto1 : = 8.3531483392697E+17
fi_gradi : = 27968.916357324
t1 : = 1.0809062158056E-14
tpunto1 : = 1.0006071216685
tduepunti0 : = -1.6663136644545E+15
v=v_elettrone : = 5461920.286347
x0= : -1.3903156798448E-12
y0= : -3.6050997494385E-12
*****
i=30862
k(30862)=0.9998921840457
kQ(30862)=0.99978437971568
r1= : 3.8649329746625E-12
rpunto1: = 4402150.1003039
rduepunti0 : = -1.4255244532317E+25
fil : = 488.14977661483
fipunto1 : = 8.3509155633954E+17
fi_gradi : = 27968.921970284
t1 : = 1.0809062275406E-14
tpunto1 : = 1.0006069263719
tduepunti0 : = -1.66523527805E+15
v=v_elettrone : = 5460316.1852451
x0= : -1.3901482685686E-12
y0= : -3.6057180530735E-12
*****
i=30863
k(30863)=0.99989226590685
kQ(30863)=0.99978454342034
r1= : 3.8654492530741E-12
rpunto1: = 4400478.6682188
rduepunti0 : = -1.4251796619295E+25
fil : = 488.14987455328
fipunto1 : = 8.3486845299203E+17
fi_gradi : = 27968.927581743
t1 : = 1.0809062392756E-14
tpunto1 : = 1.0006067312017
tduepunti0 : = -1.6641577312838E+15
v=v_elettrone : = 5458712.6510196
x0= : -1.389980773441E-12
y0= : -3.6063361390888E-12
*****
i=30864
k(30864)=0.99989234771713
kQ(30864)=0.99978470702328
r1= : 3.8659653354624E-12
rpunto1: = 4398807.6402019
rduepunti0 : = -1.424835125161E+25
fil : = 488.14997246556
fipunto1 : = 8.3464552371428E+17
fi_gradi : = 27968.933191704
t1 : = 1.0809062510106E-14
tpunto1 : = 1.0006065361577
tduepunti0 : = -1.6630810231836E+15
v=v_elettrone : = 5457109.6837446
x0= : -1.3898131945058E-12
y0= : -3.6069540075345E-12
```



```
*****
i=30865
k(30865)=0.99989242947658
kQ(30865)=0.99978487052457
r1= : 3.8664812218747E-12
rpunto1 : = 4397137.0159549
rduepunti0 : = -1.4244908426954E+25
fil : = 488.1500703517
fipunto1 : = 8.3442276833632E+17
fi_gradi : = 27968.938800166
t1 : = 1.0809062627456E-14
tpunto1 : = 1.0006063412399
tduepunti0 : = -1.6620051527784E+15
v=v_elettrone : = 5455507.2824017
x0= : -1.3896455318064E-12
y0= : -3.6075716584605E-12
*****
i=30866
k(30866)=0.99989251118522
kQ(30866)=0.99978503392429
r1= : 3.8669969123583E-12
rpunto1 : = 4395466.79518
rduepunti0 : = -1.4241468143023E+25
fil : = 488.15016821171
fipunto1 : = 8.3420018668843E+17
fi_gradi : = 27968.944407132
t1 : = 1.0809062744805E-14
tpunto1 : = 1.0006061464482
tduepunti0 : = -1.6609301190985E+15
v=v_elettrone : = 5453905.447065
x0= : -1.3894777853866E-12
y0= : -3.6081890919167E-12
*****
i=30867
k(30867)=0.99989259284311
kQ(30867)=0.99978519722252
r1= : 3.8675124069606E-12
rpunto1 : = 4393796.9775793
rduepunti0 : = -1.4238030397515E+25
fil : = 488.15026604562
fipunto1 : = 8.339777786011E+17
fi_gradi : = 27968.950012602
t1 : = 1.0809062862155E-14
tpunto1 : = 1.0006059517825
tduepunti0 : = -1.6598559211759E+15
v=v_elettrone : = 5452304.1767157
x0= : -1.3893099552898E-12
y0= : -3.608806307953E-12
*****
i=30868
k(30868)=0.99989267445027
kQ(30868)=0.99978536041931
r1= : 3.8680277057289E-12
rpunto1 : = 4392127.5628556
rduepunti0 : = -1.4234595188132E+25
fil : = 488.15036385344
fipunto1 : = 8.3375554390506E+17
fi_gradi : = 27968.955616578
t1 : = 1.0809062979505E-14
tpunto1 : = 1.0006057572426
tduepunti0 : = -1.6587825580436E+15
v=v_elettrone : = 5450703.4714267
x0= : -1.3891420415598E-12
y0= : -3.6094233066191E-12
```

```

*****
i=30869
k(30869)=0.99989275600674
kQ(30869)=0.99978552351476
r1= : 3.8685428087104E-12
rpunto1: = 4390458.5507115
rduepunti0 : = -1.4231162512577E+25
fil : = 488.1504616352
fipunto1 : = 8.3353348243125E+17
fi_gradi : = 27968.96121906
t1 : = 1.0809063096855E-14
tpunto1 : = 1.0006055628285
tduepunti0 : = -1.6577100287362E+15
v=v_elettrone : = 5449103.3312794
x0= : -1.3889740442401E-12
y0= : -3.6100400879649E-12
*****
i=30870
k(30870)=0.99989283751256
kQ(30870)=0.99978568650893
r1= : 3.8690577159524E-12
rpunto1: = 4388789.9408502
rduepunti0 : = -1.4227732368557E+25
fil : = 488.15055939092
fipunto1 : = 8.3331159401087E+17
fi_gradi : = 27968.96682005
t1 : = 1.0809063214204E-14
tpunto1 : = 1.0006053685402
tduepunti0 : = -1.6566383322896E+15
v=v_elettrone : = 5447503.7552537
x0= : -1.3888059633742E-12
y0= : -3.6106566520401E-12
*****
i=30871
k(30871)=0.99989291896777
kQ(30871)=0.99978584940189
r1= : 3.8695724275019E-12
rpunto1: = 4387121.7329752
rduepunti0 : = -1.4224304753783E+25
fil : = 488.15065712061
fipunto1 : = 8.3308987847529E+17
fi_gradi : = 27968.972419549
t1 : = 1.0809063331554E-14
tpunto1 : = 1.0006051743774
tduepunti0 : = -1.6555674677412E+15
v=v_elettrone : = 5445904.7434279
x0= : -1.3886377990055E-12
y0= : -3.6112729988944E-12
*****
i=30872
k(30872)=0.99989300037241
kQ(30872)=0.99978601219373
r1= : 3.8700869434063E-12
rpunto1: = 4385453.9267899
rduepunti0 : = -1.4220879665967E+25
fil : = 488.15075482431
fipunto1 : = 8.3286833565616E+17
fi_gradi : = 27968.978017558
t1 : = 1.0809063448904E-14
tpunto1 : = 1.0006049803401
tduepunti0 : = -1.6544974341295E+15
v=v_elettrone : = 5444306.2958681
x0= : -1.3884695511776E-12
y0= : -3.6118891285775E-12

```

```
*****
i=30873
k(30873)=0.9998930817265
kQ(30873)=0.99978617488451
r1= : 3.8706012637125E-12
rpunto1: = 4383786.5219984
rduepunti0 : = -1.4217457102824E+25
fil : = 488.15085250202
fipunto1 : = 8.3264696538532E+17
fi_gradi : = 27968.983614079
t1 : = 1.0809063566253E-14
tpunto1 : = 1.0006047864282
tduepunti0 : = -1.6534282304947E+15
v=v_elettrone : = 5442708.4126747
x0= : -1.3883012199337E-12
y0= : -3.612505041139E-12
*****
i=30874
k(30874)=0.99989316303009
kQ(30874)=0.99978633747431
r1= : 3.8711153884676E-12
rpunto1: = 4382119.5183048
rduepunti0 : = -1.4214037062074E+25
fil : = 488.15095015376
fipunto1 : = 8.3242576749485E+17
fi_gradi : = 27968.989209112
t1 : = 1.0809063683603E-14
tpunto1 : = 1.0006045926416
tduepunti0 : = -1.652359855878E+15
v=v_elettrone : = 5441111.0917025
x0= : -1.3881328053171E-12
y0= : -3.6131207366285E-12
*****
i=30875
k(30875)=0.99989324428321
kQ(30875)=0.9997864999632
r1= : 3.8716293177187E-12
rpunto1: = 4380452.9154135
rduepunti0 : = -1.4210619541436E+25
fil : = 488.15104777957
fipunto1 : = 8.3220474181703E+17
fi_gradi : = 27968.994802658
t1 : = 1.0809063800953E-14
tpunto1 : = 1.0006043989802
tduepunti0 : = -1.6512923093223E+15
v=v_elettrone : = 5439514.3341376
x0= : -1.3879643073713E-12
y0= : -3.6137362150957E-12
*****
i=30876
k(30876)=0.9998933254859
kQ(30876)=0.99978666235126
r1= : 3.8721430515129E-12
rpunto1: = 4378786.7130294
rduepunti0 : = -1.4207204538636E+25
fil : = 488.15114537945
fipunto1 : = 8.3198388818441E+17
fi_gradi : = 27969.00039472
t1 : = 1.0809063918302E-14
tpunto1 : = 1.0006042054439
tduepunti0 : = -1.6502255898717E+15
v=v_elettrone : = 5437918.1400583
x0= : -1.3877957261397E-12
y0= : -3.6143514765899E-12
```

```
*****
i=30877
k(30877)=0.9998934066382
kQ(30877)=0.99978682463855
r1= : 3.872656589897E-12
rpunto1: = 4377120.9108572
rduepunti0 : = -1.4203792051401E+25
fil : = 488.15124295344
fipunto1 : = 8.3176320642971E+17
fi_gradi : = 27969.005985297
t1 : = 1.0809064035652E-14
tpunto1 : = 1.0006040120326
tduepunti0 : = -1.6491596965716E+15
v=v_elettrone : = 5436322.5073351
x0= : -1.3876270616651E-12
y0= : -3.6149665211609E-12
*****
i=30878
k(30878)=0.99989348774015
kQ(30878)=0.99978698682515
r1= : 3.8731699329179E-12
rpunto1: = 4375455.5086024
rduepunti0 : = -1.4200382077459E+25
fil : = 488.15134050154
fipunto1 : = 8.3154269638591E+17
fi_gradi : = 27969.011574392
t1 : = 1.0809064153001E-14
tpunto1 : = 1.0006038187462
tduepunti0 : = -1.6480946284689E+15
v=v_elettrone : = 5434727.4371494
x0= : -1.3874583139912E-12
y0= : -3.6155813488579E-12
*****
i=30879
k(30879)=0.99989356879177
kQ(30879)=0.99978714891114
r1= : 3.8736830806227E-12
rpunto1: = 4373790.5059703
rduepunti0 : = -1.4196974614545E+25
fil : = 488.15143802378
fipunto1 : = 8.313223578862E+17
fi_gradi : = 27969.017162005
t1 : = 1.0809064270351E-14
tpunto1 : = 1.0006036255846
tduepunti0 : = -1.6470303846118E+15
v=v_elettrone : = 5433132.9284792
x0= : -1.387289483161E-12
y0= : -3.6161959597304E-12
*****
i=30880
k(30880)=0.99989364979311
kQ(30880)=0.99978731089659
r1= : 3.8741960330582E-12
rpunto1: = 4372125.9026668
rduepunti0 : = -1.4193569660392E+25
fil : = 488.15153552018
fipunto1 : = 8.3110219076398E+17
fi_gradi : = 27969.022748137
t1 : = 1.08090643877E-14
tpunto1 : = 1.0006034325478
tduepunti0 : = -1.6459669640498E+15
v=v_elettrone : = 5431538.9813989
x0= : -1.3871205692178E-12
y0= : -3.6168103538277E-12
```

```
*****
i=30881
k(30881)=0.9998937307442
kQ(30881)=0.99978747278156
r1= : 3.8747087902711E-12
rpunto1: = 4370461.6983979
rduepunti0 : = -1.419016721274E+25
fil : = 488.15163299076
fipunto1 : = 8.308821948529E+17
fi_gradi : = 27969.02833279
t1 : = 1.080906450505E-14
tpunto1 : = 1.0006032396355
tduepunti0 : = -1.6449043658337E+15
v=v_elettrone : = 5429945.5959899
x0= : -1.3869515722046E-12
y0= : -3.6174245311993E-12
*****
i=30882
k(30882)=0.99989381164509
kQ(30882)=0.99978763456614
r1= : 3.8752213523083E-12
rpunto1: = 4368797.89287
rduepunti0 : = -1.418676726933E+25
fil : = 488.15173043554
fipunto1 : = 8.306623699868E+17
fi_gradi : = 27969.033915964
t1 : = 1.0809064622399E-14
tpunto1 : = 1.0006030468478
tduepunti0 : = -1.6438425890159E+15
v=v_elettrone : = 5428352.7712156
x0= : -1.3867824921645E-12
y0= : -3.6180384918945E-12
*****
i=30883
k(30883)=0.9998938924958
kQ(30883)=0.9997877962504
r1= : 3.8757337192167E-12
rpunto1: = 4367134.4857895
rduepunti0 : = -1.4183369827905E+25
fil : = 488.15182785454
fipunto1 : = 8.3044271599975E+17
fi_gradi : = 27969.039497662
t1 : = 1.0809064739749E-14
tpunto1 : = 1.0006028541845
tduepunti0 : = -1.6427816326498E+15
v=v_elettrone : = 5426760.5071755
x0= : -1.3866133291406E-12
y0= : -3.6186522359625E-12
*****
i=30884
k(30884)=0.99989397329637
kQ(30884)=0.9997879578344
r1= : 3.8762458910428E-12
rpunto1: = 4365471.4768634
rduepunti0 : = -1.4179974886212E+25
fil : = 488.15192524777
fipunto1 : = 8.3022323272606E+17
fi_gradi : = 27969.045077883
t1 : = 1.0809064857098E-14
tpunto1 : = 1.0006026616456
tduepunti0 : = -1.6417214957904E+15
v=v_elettrone : = 5425168.8028094
x0= : -1.3864440831759E-12
y0= : -3.6192657634525E-12
```

```
*****
i=30885
k(30885)=0.99989405404684
kQ(30885)=0.99978811931823
r1= : 3.8767578678333E-12
rpunto1: = 4363808.8657987
rduepunti0 : = -1.4176582442001E+25
fil : = 488.15202261527
fipunto1 : = 8.3000392000024E+17
fi_gradi : = 27969.05065663
t1 : = 1.0809064974447E-14
tpunto1 : = 1.0006024692309
tduepunti0 : = -1.6406621774939E+15
v=v_elettrone : = 5423577.659335
x0= : -1.3862747543136E-12
y0= : -3.6198790744138E-12
*****
i=30886
k(30886)=0.99989413474725
kQ(30886)=0.99978828070195
r1= : 3.8772696496351E-12
rpunto1: = 4362146.6523028
rduepunti0 : = -1.4173192493024E+25
fil : = 488.15211995704
fipunto1 : = 8.2978477765702E+17
fi_gradi : = 27969.056233902
t1 : = 1.0809065091797E-14
tpunto1 : = 1.0006022769403
tduepunti0 : = -1.6396036768179E+15
v=v_elettrone : = 5421987.0745846
x0= : -1.3861053425963E-12
y0= : -3.6204921688955E-12
*****
i=30887
k(30887)=0.99989421539763
kQ(30887)=0.99978844198563
r1= : 3.8777812364946E-12
rpunto1: = 4360484.8360833
rduepunti0 : = -1.4169805037036E+25
fil : = 488.15221727312
fipunto1 : = 8.2956580553136E+17
fi_gradi : = 27969.061809703
t1 : = 1.0809065209146E-14
tpunto1 : = 1.0006020847738
tduepunti0 : = -1.6385459928214E+15
v=v_elettrone : = 5420397.0497742
x0= : -1.3859358480673E-12
y0= : -3.6211050469468E-12
*****
i=30888
k(30888)=0.99989429599801
kQ(30888)=0.99978860316936
r1= : 3.8782926284584E-12
rpunto1: = 4358823.4168481
rduepunti0 : = -1.4166420071795E+25
fil : = 488.15231456351
fipunto1 : = 8.2934700345844E+17
fi_gradi : = 27969.067384032
t1 : = 1.0809065326495E-14
tpunto1 : = 1.0006018927312
tduepunti0 : = -1.6374891245646E+15
v=v_elettrone : = 5418807.5838586
x0= : -1.3857662707693E-12
y0= : -3.6217177086167E-12
```

```
*****
i=30889
k(30889)=0.99989437654844
kQ(30889)=0.99978876425319
r1= : 3.8788038255732E-12
rpunto1: = 4357162.3943053
rduepunti0 : = -1.4163037595061E+25
fil : = 488.15241182824
fipunto1 : = 8.2912837127364E+17
fi_gradi : = 27969.07295689
t1 : = 1.0809065443845E-14
tpunto1 : = 1.0006017008124
tduepunti0 : = -1.636433071109E+15
v=v_elettrone : = 5417218.6769184
x0= : -1.3855966107453E-12
y0= : -3.6223301539543E-12
*****
i=30890
k(30890)=0.99989445704895
kQ(30890)=0.99978892523721
r1= : 3.8793148278855E-12
rpunto1: = 4355501.7681634
rduepunti0 : = -1.4159657604599E+25
fil : = 488.15250906734
fipunto1 : = 8.2890990881257E+17
fi_gradi : = 27969.07852828
t1 : = 1.0809065561194E-14
tpunto1 : = 1.0006015090175
tduepunti0 : = -1.6353778315176E+15
v=v_elettrone : = 5415630.3290321
x0= : -1.385426868038E-12
y0= : -3.6229423830086E-12
*****
i=30891
k(30891)=0.99989453749957
kQ(30891)=0.99978908612149
r1= : 3.8798256354416E-12
rpunto1: = 4353841.5381311
rduepunti0 : = -1.4156280098174E+25
fil : = 488.15260628081
fipunto1 : = 8.2869161591107E+17
fi_gradi : = 27969.084098202
t1 : = 1.0809065678543E-14
tpunto1 : = 1.0006013173461
tduepunti0 : = -1.6343234048546E+15
v=v_elettrone : = 5414042.5391727
x0= : -1.3852570426901E-12
y0= : -3.6235543958287E-12
*****
i=30892
k(30892)=0.99989461790035
kQ(30892)=0.99978924690609
r1= : 3.8803362482882E-12
rpunto1: = 4352181.7039172
rduepunti0 : = -1.4152905073555E+25
fil : = 488.15270346868
fipunto1 : = 8.2847349240518E+17
fi_gradi : = 27969.089666656
t1 : = 1.0809065795892E-14
tpunto1 : = 1.0006011257984
tduepunti0 : = -1.6332697901856E+15
v=v_elettrone : = 5412455.3062946
x0= : -1.3850871347446E-12
y0= : -3.6241661924635E-12
```

```
*****
i=30893
k(30893)=0.99989469825132
kQ(30893)=0.99978940759109
r1= : 3.8808466664716E-12
rpunto1: = 4350522.265231
rduepunti0 : = -1.4149532528514E+25
fil : = 488.15280063097
fipunto1 : = 8.2825553813116E+17
fi_gradi : = 27969.095233645
t1 : = 1.0809065913242E-14
tpunto1 : = 1.0006009343741
tduepunti0 : = -1.6322169865774E+15
v=v_elettrone : = 5410868.6316023
x0= : -1.3849171442442E-12
y0= : -3.624777729618E-12
*****
i=30894
k(30894)=0.99989477855251
kQ(30894)=0.99978956817656
r1= : 3.8813568900382E-12
rpunto1: = 4348863.2217819
rduepunti0 : = -1.4146162460827E+25
fil : = 488.15289776769
fipunto1 : = 8.280377529255E+17
fi_gradi : = 27969.10079917
t1 : = 1.0809066030591E-14
tpunto1 : = 1.0006007430732
tduepunti0 : = -1.6311649930982E+15
v=v_elettrone : = 5409282.5151799
x0= : -1.3847470712315E-12
y0= : -3.6253891373726E-12
*****
i=30895
k(30895)=0.99989485880396
kQ(30895)=0.99978972866258
r1= : 3.8818669190343E-12
rpunto1: = 4347204.5732797
rduepunti0 : = -1.4142794868269E+25
fil : = 488.15299487888
fipunto1 : = 8.2782013662489E+17
fi_gradi : = 27969.106363231
t1 : = 1.080906614794E-14
tpunto1 : = 1.0006005518956
tduepunti0 : = -1.6301138088176E+15
v=v_elettrone : = 5407696.9548599
x0= : -1.3845769157491E-12
y0= : -3.6260002857448E-12
*****
i=30896
k(30896)=0.9998949390057
kQ(30896)=0.99978988904921
r1= : 3.8823767535063E-12
rpunto1: = 4345546.3194343
rduepunti0 : = -1.4139429748622E+25
fil : = 488.15309196454
fipunto1 : = 8.2760268906624E+17
fi_gradi : = 27969.11192583
t1 : = 1.0809066265289E-14
tpunto1 : = 1.0006003608412
tduepunti0 : = -1.6290634328064E+15
v=v_elettrone : = 5406111.9507453
x0= : -1.3844066778398E-12
y0= : -3.6266112181271E-12
```



```

*****
i=30897
k(30897)=0.99989501915778
kQ(30897)=0.99979004933653
r1= : 3.8828863935004E-12
rpunto1: = 4343888.459956
rduepunti0 : = -1.4136067099667E+25
fil : = 488.1531890247
fipunto1 : = 8.2738541008669E+17
fi_gradi : = 27969.117486967
t1 : = 1.0809066382638E-14
tpunto1 : = 1.0006001699098
tduepunti0 : = -1.6280138641366E+15
v=v_elettrone : = 5404527.5040023
x0= : -1.3842363575463E-12
y0= : -3.6272219345682E-12
*****
i=30898
k(30898)=0.99989509926022
kQ(30898)=0.99979020952461
r1= : 3.883395839063E-12
rpunto1: = 4342230.9945553
rduepunti0 : = -1.4132706919191E+25
fil : = 488.15328605938
fipunto1 : = 8.2716829952358E+17
fi_gradi : = 27969.123046645
t1 : = 1.0809066499987E-14
tpunto1 : = 1.0005999791015
tduepunti0 : = -1.6269651018819E+15
v=v_elettrone : = 5402943.6125048
x0= : -1.384065954911E-12
y0= : -3.627832435117E-12
*****
i=30899
k(30899)=0.99989517931307
kQ(30899)=0.99979036961352
r1= : 3.8839050902402E-12
rpunto1: = 4340573.9229429
rduepunti0 : = -1.4129349204982E+25
fil : = 488.1533830686
fipunto1 : = 8.2695135721446E+17
fi_gradi : = 27969.128604864
t1 : = 1.0809066617336E-14
tpunto1 : = 1.0005997884161
tduepunti0 : = -1.6259171451168E+15
v=v_elettrone : = 5401360.2774445
x0= : -1.3838954699765E-12
y0= : -3.6284427198222E-12
*****
i=30900
k(30900)=0.99989525931636
kQ(30900)=0.99979052960333
r1= : 3.8844141470782E-12
rpunto1: = 4338917.2448299
rduepunti0 : = -1.4125993954831E+25
fil : = 488.15348005238
fipunto1 : = 8.2673458299712E+17
fi_gradi : = 27969.134161625
t1 : = 1.0809066734685E-14
tpunto1 : = 1.0005995978534
tduepunti0 : = -1.6248699929175E+15
v=v_elettrone : = 5399777.4977674
x0= : -1.3837249027853E-12
y0= : -3.6290527887323E-12

```

```
*****
i=30901
k(30901)=0.99989533927012
kQ(30901)=0.99979068949411
r1= : 3.8849230096231E-12
rpunto1: = 4337260.9599275
rduepunti0 : = -1.4122641166532E+25
fil : = 488.15357701073
fipunto1 : = 8.2651797670955E+17
fi_gradi : = 27969.139716929
t1 : = 1.0809066852034E-14
tpunto1 : = 1.0005994074135
tduepunti0 : = -1.6238236443612E+15
v=v_elettrone : = 5398195.2735788
x0= : -1.3835542533799E-12
y0= : -3.629662641896E-12
*****
i=30902
k(30902)=0.99989541917439
kQ(30902)=0.99979084928594
r1= : 3.8854316779212E-12
rpunto1: = 4335605.0679473
rduepunti0 : = -1.4119290837881E+25
fil : = 488.15367394368
fipunto1 : = 8.2630153818994E+17
fi_gradi : = 27969.145270778
t1 : = 1.0809066969383E-14
tpunto1 : = 1.0005992170962
tduepunti0 : = -1.6227780985268E+15
v=v_elettrone : = 5396613.6049367
x0= : -1.3833835218028E-12
y0= : -3.630272279362E-12
*****
i=30903
k(30903)=0.99989549902921
kQ(30903)=0.99979100897888
r1= : 3.8859401520183E-12
rpunto1: = 4333949.568601
rduepunti0 : = -1.4115942966678E+25
fil : = 488.15377085124
fipunto1 : = 8.2608526727672E+17
fi_gradi : = 27969.150823172
t1 : = 1.0809067086732E-14
tpunto1 : = 1.0005990269015
tduepunti0 : = -1.6217333544941E+15
v=v_elettrone : = 5395032.4896968
x0= : -1.3832127080961E-12
y0= : -3.6308817011788E-12
*****
i=30904
k(30904)=0.99989557883461
kQ(30904)=0.99979116857301
r1= : 3.8864484319607E-12
rpunto1: = 4332294.4616007
rduepunti0 : = -1.4112597550725E+25
fil : = 488.15386773344
fipunto1 : = 8.2586916380852E+17
fi_gradi : = 27969.156374114
t1 : = 1.0809067204081E-14
tpunto1 : = 1.0005988368291
tduepunti0 : = -1.6206894113444E+15
v=v_elettrone : = 5393451.9301769
x0= : -1.3830418123025E-12
y0= : -3.6314909073948E-12
```

```
*****
i=30905
k(30905)=0.99989565859063
kQ(30905)=0.9997913280684
r1= : 3.8869565177943E-12
rpunto1 : = 4330639.7466588
rduepunti0 : = -1.4109254587826E+25
fil : = 488.1539645903
fipunto1 : = 8.2565322762417E+17
fi_gradi : = 27969.161923603
t1 : = 1.080906732143E-14
tpunto1 : = 1.0005986468791
tduepunti0 : = -1.6196462681602E+15
v=v_elettrone : = 5391871.9230912
x0= : -1.3828708344641E-12
y0= : -3.6320998980587E-12
*****
i=30906
k(30906)=0.9998957382973
kQ(30906)=0.99979148746511
r1= : 3.8874644095651E-12
rpunto1 : = 4328985.4234877
rduepunti0 : = -1.4105914075788E+25
fil : = 488.15406142183
fipunto1 : = 8.2543745856274E+17
fi_gradi : = 27969.167471641
t1 : = 1.0809067438779E-14
tpunto1 : = 1.0005984570514
tduepunti0 : = -1.6186039240253E+15
v=v_elettrone : = 5390292.4707653
x0= : -1.3826997746236E-12
y0= : -3.6327086732188E-12
*****
i=30907
k(30907)=0.99989581795466
kQ(30907)=0.99979164676323
r1= : 3.887972107319E-12
rpunto1 : = 4327331.4918004
rduepunti0 : = -1.4102576012423E+25
fil : = 488.15415822806
fipunto1 : = 8.252218564635E+17
fi_gradi : = 27969.173018229
t1 : = 1.0809067556128E-14
tpunto1 : = 1.0005982673458
tduepunti0 : = -1.6175623780249E+15
v=v_elettrone : = 5388713.5721658
x0= : -1.382528632823E-12
y0= : -3.6333172329236E-12
*****
i=30908
k(30908)=0.99989589756275
kQ(30908)=0.99979180596281
r1= : 3.8884796111019E-12
rpunto1 : = 4325677.9513098
rduepunti0 : = -1.4099240395543E+25
fil : = 488.154255009
fipunto1 : = 8.2500642116593E+17
fi_gradi : = 27969.178563368
t1 : = 1.0809067673477E-14
tpunto1 : = 1.0005980777622
tduepunti0 : = -1.6165216292455E+15
v=v_elettrone : = 5387135.2262389
x0= : -1.3823574091046E-12
y0= : -3.6339255772214E-12
```

```
*****
i=30909
k(30909)=0.99989597712159
kQ(30909)=0.99979196506394
r1= : 3.8889869209599E-12
rpunto1 : = 4324024.8017294
rduepunti0 : = -1.4095907222963E+25
fil : = 488.15435176467
fipunto1 : = 8.2479115250972E+17
fi_gradi : = 27969.18410706
t1 : = 1.0809067790826E-14
tpunto1 : = 1.0005978883006
tduepunti0 : = -1.6154816767746E+15
v=v_elettrone : = 5385557.4341976
x0= : -1.3821861035106E-12
y0= : -3.6345337061606E-12
*****
i=30910
k(30910)=0.99989605663123
kQ(30910)=0.99979212406668
r1= : 3.8894940369385E-12
rpunto1 : = 4322372.0427727
rduepunti0 : = -1.4092576492502E+25
fil : = 488.1544484951
fipunto1 : = 8.2457605033478E+17
fi_gradi : = 27969.189649306
t1 : = 1.0809067908174E-14
tpunto1 : = 1.0005976989609
tduepunti0 : = -1.6144425197013E+15
v=v_elettrone : = 5383980.193864
x0= : -1.3820147160831E-12
y0= : -3.6351416197896E-12
*****
i=30911
k(30911)=0.99989613609169
kQ(30911)=0.9997922829711
r1= : 3.8900009590838E-12
rpunto1 : = 4320719.6741535
rduepunti0 : = -1.408924820198E+25
fil : = 488.1545452003
fipunto1 : = 8.2436111448122E+17
fi_gradi : = 27969.195190106
t1 : = 1.0809068025523E-14
tpunto1 : = 1.000597509743
tduepunti0 : = -1.6134041571158E+15
v=v_elettrone : = 5382403.5053429
x0= : -1.3818432468644E-12
y0= : -3.6357493181565E-12
*****
i=30912
k(30912)=0.99989621550303
kQ(30912)=0.99979244177727
r1= : 3.8905076874414E-12
rpunto1 : = 4319067.695586
rduepunti0 : = -1.4085922349222E+25
fil : = 488.1546418803
fipunto1 : = 8.2414634478937E+17
fi_gradi : = 27969.200729461
t1 : = 1.0809068142872E-14
tpunto1 : = 1.0005973206468
tduepunti0 : = -1.6123665881096E+15
v=v_elettrone : = 5380827.3698137
x0= : -1.3816716958967E-12
y0= : -3.6363568013096E-12
```

```

*****
i=30913
k(30913)=0.99989629486526
kQ(30913)=0.99979260048527
r1= : 3.8910142220572E-12
rpunto1 : = 4317416.1067845
rduepunti0 : = -1.4082598932054E+25
fil : = 488.1547385351
fipunto1 : = 8.2393174109976E+17
fi_gradi : = 27969.206267374
t1 : = 1.0809068260221E-14
tpunto1 : = 1.0005971316721
tduepunti0 : = -1.6113298117757E+15
v=v_elettrone : = 5379251.7862474
x0= : -1.381500063222E-12
y0= : -3.6369640692972E-12
*****
i=30914
k(30914)=0.99989637417843
kQ(30914)=0.99979275909516
r1= : 3.8915205629768E-12
rpunto1 : = 4315764.9074637
rduepunti0 : = -1.4079277948304E+25
fil : = 488.15483516474
fipunto1 : = 8.2371730325315E+17
fi_gradi : = 27969.211803844
t1 : = 1.0809068377569E-14
tpunto1 : = 1.0005969428189
tduepunti0 : = -1.610293827208E+15
v=v_elettrone : = 5377676.7535951
x0= : -1.3813283488822E-12
y0= : -3.6375711221673E-12
*****
i=30915
k(30915)=0.99989645344256
kQ(30915)=0.99979291760702
r1= : 3.8920267102458E-12
rpunto1 : = 4314114.0973384
rduepunti0 : = -1.4075959395805E+25
fil : = 488.15493176923
fipunto1 : = 8.2350303109049E+17
fi_gradi : = 27969.217338874
t1 : = 1.0809068494918E-14
tpunto1 : = 1.0005967540872
tduepunti0 : = -1.6092586335019E+15
v=v_elettrone : = 5376102.27194
x0= : -1.3811565529195E-12
y0= : -3.6381779599682E-12
*****
i=30916
k(30916)=0.99989653265771
kQ(30916)=0.99979307602091
r1= : 3.8925326639101E-12
rpunto1 : = 4312463.6761237
rduepunti0 : = -1.4072643272391E+25
fil : = 488.15502834859
fipunto1 : = 8.2328892445295E+17
fi_gradi : = 27969.222872463
t1 : = 1.0809068612267E-14
tpunto1 : = 1.0005965654768
tduepunti0 : = -1.608224229754E+15
v=v_elettrone : = 5374528.3413639
x0= : -1.3809846753759E-12
y0= : -3.6387845827479E-12

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```
*****
i=30917
k(30917)=0.9998966118239
kQ(30917)=0.99979323433691
r1= : 3.893038424015E-12
rpunto1: = 4310813.643535
rduepunti0 : = -1.4069329575898E+25
fil : = 488.15512490284
fipunto1 : = 8.230749831819E+17
fi_gradi : = 27969.228404614
t1 : = 1.0809068729615E-14
tpunto1 : = 1.0005963769875
tduepunti0 : = -1.6071906150623E+15
v=v_elettrone : = 5372954.9619431
x0= : -1.3808127162933E-12
y0= : -3.6393909905545E-12
*****
i=30918
k(30918)=0.99989669094116
kQ(30918)=0.99979339255508
r1= : 3.8935439906063E-12
rpunto1: = 4309163.9992879
rduepunti0 : = -1.4066018304168E+25
fil : = 488.155221432
fipunto1 : = 8.2286120711893E+17
fi_gradi : = 27969.233935328
t1 : = 1.0809068846964E-14
tpunto1 : = 1.0005961886195
tduepunti0 : = -1.6061577885259E+15
v=v_elettrone : = 5371382.1326451
x0= : -1.3806406757137E-12
y0= : -3.639997183436E-12
*****
i=30919
k(30919)=0.99989677000953
kQ(30919)=0.99979355067549
r1= : 3.8940493637295E-12
rpunto1: = 4307514.7430983
rduepunti0 : = -1.4062709455041E+25
fil : = 488.15531793608
fipunto1 : = 8.2264759610583E+17
fi_gradi : = 27969.239464605
t1 : = 1.0809068964313E-14
tpunto1 : = 1.0005960003724
tduepunti0 : = -1.6051257492451E+15
v=v_elettrone : = 5369809.852402
x0= : -1.3804685536788E-12
y0= : -3.6406031614405E-12
*****
i=30920
k(30920)=0.99989684902905
kQ(30920)=0.99979370869822
r1= : 3.8945545434301E-12
rpunto1: = 4305865.8746823
rduepunti0 : = -1.4059403026364E+25
fil : = 488.15541441512
fipunto1 : = 8.224341499846E+17
fi_gradi : = 27969.244992446
t1 : = 1.0809069081661E-14
tpunto1 : = 1.0005958122463
tduepunti0 : = -1.6040944963218E+15
v=v_elettrone : = 5368238.1235701
x0= : -1.3802963502308E-12
y0= : -3.6412089246158E-12
```

```
*****
i=30921
k(30921)=0.99989692799975
kQ(30921)=0.99979386662333
r1= : 3.8950595297536E-12
rpunto1 : = 4304217.3937564
rduepunti0 : = -1.4056099015984E+25
fil : = 488.15551086912
fipunto1 : = 8.2222086859745E+17
fi_gradi : = 27969.250518853
t1 : = 1.080906919901E-14
tpunto1 : = 1.000595624241
tduepunti0 : = -1.6030640288587E+15
v=v_elettrone : = 5366666.9428366
x0= : -1.3801240654112E-12
y0= : -3.64181447301E-12
*****
i=30922
k(30922)=0.99989700692166
kQ(30922)=0.9997940244509
r1= : 3.8955643227453E-12
rpunto1 : = 4302569.3000371
rduepunti0 : = -1.4052797421751E+25
fil : = 488.15560729811
fipunto1 : = 8.220077517868E+17
fi_gradi : = 27969.256043827
t1 : = 1.0809069316358E-14
tpunto1 : = 1.0005954363565
tduepunti0 : = -1.6020343459602E+15
v=v_elettrone : = 5365096.3114186
x0= : -1.379951699262E-12
y0= : -3.6424198066708E-12
*****
i=30923
k(30923)=0.99989708579483
kQ(30923)=0.99979418218099
r1= : 3.8960689224508E-12
rpunto1 : = 4300921.5932414
rduepunti0 : = -1.4049498241519E+25
fil : = 488.15570370211
fipunto1 : = 8.2179479939527E+17
fi_gradi : = 27969.261567369
t1 : = 1.0809069433707E-14
tpunto1 : = 1.0005952485927
tduepunti0 : = -1.6010054467317E+15
v=v_elettrone : = 5363526.2293886
x0= : -1.379779251825E-12
y0= : -3.6430249256462E-12
*****
i=30924
k(30924)=0.99989716461928
kQ(30924)=0.99979433981368
r1= : 3.8965733289154E-12
rpunto1 : = 4299274.2730863
rduepunti0 : = -1.4046201473142E+25
fil : = 488.15580008113
fipunto1 : = 8.2158201126568E+17
fi_gradi : = 27969.267089481
t1 : = 1.0809069551055E-14
tpunto1 : = 1.0005950609495
tduepunti0 : = -1.5999773302798E+15
v=v_elettrone : = 5361956.6957121
x0= : -1.3796067231419E-12
y0= : -3.6436298299839E-12
```

```
*****
i=30925
k(30925)=0.99989724339505
kQ(30925)=0.99979449734903
r1= : 3.8970775421844E-12
rpunto1:= 4297627.3392894
rduepunti0 := -1.404290711448E+25
fil := 488.15589643519
fipunto1 := 8.2136938724108E+17
fi_gradi := 27969.272610162
t1 := 1.0809069668404E-14
tpunto1 := 1.0005948734267
tduepunti0 := -1.5989499957125E+15
v=v_elettrone := 5360387.710445
x0= : -1.3794341132543E-12
y0= : -3.6442345197318E-12
*****
i=30926
k(30926)=0.99989732212218
kQ(30926)=0.99979465478711
r1= : 3.8975815623032E-12
rpunto1:= 4295980.7915681
rduepunti0 := -1.4039615163393E+25
fil := 488.15599276432
fipunto1 := 8.2115692716471E+17
fi_gradi := 27969.278129414
t1 := 1.0809069785752E-14
tpunto1 := 1.0005946860243
tduepunti0 := -1.597923442139E+15
v=v_elettrone := 5358819.2737026
x0= : -1.379261422204E-12
y0= : -3.6448389949376E-12
*****
i=30927
k(30927)=0.9998974008007
kQ(30927)=0.99979481212799
r1= : 3.898085389317E-12
rpunto1:= 4294334.6296405
rduepunti0 := -1.4036325617745E+25
fil := 488.15608906853
fipunto1 := 8.2094463088002E+17
fi_gradi := 27969.283647239
t1 := 1.0809069903101E-14
tpunto1 := 1.0005944987423
tduepunti0 := -1.5968976686698E+15
v=v_elettrone := 5357251.3832782
x0= : -1.3790886500325E-12
y0= : -3.645443255649E-12
*****
i=30928
k(30928)=0.99989747943064
kQ(30928)=0.99979496937175
r1= : 3.8985890232711E-12
rpunto1:= 4292688.8532246
rduepunti0 := -1.4033038475403E+25
fil := 488.15618534784
fipunto1 := 8.2073249823065E+17
fi_gradi := 27969.289163637
t1 := 1.0809070020449E-14
tpunto1 := 1.0005943115804
tduepunti0 := -1.5958726744165E+15
v=v_elettrone := 5355684.0415263
x0= : -1.3789157967817E-12
y0= : -3.6460473019137E-12
```



```
*****
i=30929
k(30929)=0.99989755801204
kQ(30929)=0.99979512651844
r1= : 3.8990924642107E-12
rpunto1: = 4291043.4620389
rduepunti0 : = -1.4029753734234E+25
fil : = 488.15628160228
fipunto1 : = 8.2052052906048E+17
fi_gradi : = 27969.29467861
t1 : = 1.0809070137798E-14
tpunto1 : = 1.0005941245387
tduepunti0 : = -1.5948484584921E+15
v=v_elettrone : = 5354117.2473996
x0= : -1.378742862493E-12
y0= : -3.6466511337794E-12
*****
i=30930
k(30930)=0.99989763654494
kQ(30930)=0.99979528356815
r1= : 3.8995957121809E-12
rpunto1: = 4289398.455802
rduepunti0 : = -1.4026471392111E+25
fil : = 488.15637783186
fipunto1 : = 8.2030872321355E+17
fi_gradi : = 27969.300192159
t1 : = 1.0809070255146E-14
tpunto1 : = 1.0005939376169
tduepunti0 : = -1.5938250200107E+15
v=v_elettrone : = 5352550.9987173
x0= : -1.3785698472077E-12
y0= : -3.6472547512936E-12
*****
i=30931
k(30931)=0.99989771502936
kQ(30931)=0.99979544052093
r1= : 3.900098767227E-12
rpunto1: = 4287753.8342328
rduepunti0 : = -1.4023191446907E+25
fil : = 488.15647403659
fipunto1 : = 8.2009708053415E+17
fi_gradi : = 27969.305704284
t1 : = 1.0809070372494E-14
tpunto1 : = 1.0005937508152
tduepunti0 : = -1.5928023580877E+15
v=v_elettrone : = 5350985.2977961
x0= : -1.3783967509678E-12
y0= : -3.647858154504E-12
*****
i=30932
k(30932)=0.99989779346535
kQ(30932)=0.99979559737687
r1= : 3.900601629394E-12
rpunto1: = 4286109.5970504
rduepunti0 : = -1.40199138965E+25
fil : = 488.1565702165
fipunto1 : = 8.1988560086675E+17
fi_gradi : = 27969.311214987
t1 : = 1.0809070489843E-14
tpunto1 : = 1.0005935641332
tduepunti0 : = -1.5917804718398E+15
v=v_elettrone : = 5349420.1425086
x0= : -1.3782235738145E-12
y0= : -3.648461343458E-12
```

```
*****
i=30933
k(30933)=0.99989787185293
kQ(30933)=0.99979575413602
r1= : 3.901104298727E-12
rpunto1: = 4284465.7439742
rduepunti0 : = -1.4016638738768E+25
fil : = 488.15666637162
fipunto1 : = 8.1967428405601E+17
fi_gradi : = 27969.316724269
t1 : = 1.0809070607191E-14
tpunto1 : = 1.000593377571
tduepunti0 : = -1.5907593603849E+15
v=v_elettrone : = 5347855.5340234
x0= : -1.3780503157893E-12
y0= : -3.6490643182032E-12
*****
i=30934
k(30934)=0.99989795019214
kQ(30934)=0.99979591079845
r1= : 3.9016067752711E-12
rpunto1: = 4282822.2747238
rduepunti0 : = -1.4013365971593E+25
fil : = 488.15676250195
fipunto1 : = 8.1946312994682E+17
fi_gradi : = 27969.322232132
t1 : = 1.0809070724539E-14
tpunto1 : = 1.0005931911285
tduepunti0 : = -1.589739022842E+15
v=v_elettrone : = 5346291.4701733
x0= : -1.3778769769336E-12
y0= : -3.6496670787871E-12
*****
i=30935
k(30935)=0.99989802848302
kQ(30935)=0.99979606736424
r1= : 3.9021090590712E-12
rpunto1: = 4281179.1890193
rduepunti0 : = -1.4010095592861E+25
fil : = 488.15685860751
fipunto1 : = 8.1925213838427E+17
fi_gradi : = 27969.327738575
t1 : = 1.0809070841888E-14
tpunto1 : = 1.0005930048056
tduepunti0 : = -1.5887194583314E+15
v=v_elettrone : = 5344727.952165
x0= : -1.377703557289E-12
y0= : -3.6502696252571E-12
*****
i=30936
k(30936)=0.99989810672561
kQ(30936)=0.99979622383345
r1= : 3.9026111501725E-12
rpunto1: = 4279536.4865806
rduepunti0 : = -1.4006827600458E+25
fil : = 488.15695468833
fipunto1 : = 8.1904130921363E+17
fi_gradi : = 27969.3332436
t1 : = 1.0809070959236E-14
tpunto1 : = 1.0005928186021
tduepunti0 : = -1.5877006659748E+15
v=v_elettrone : = 5343164.9800805
x0= : -1.3775300568968E-12
y0= : -3.6508719576605E-12
```

```
*****
i=30937
k(30937)=0.99989818491992
kQ(30937)=0.99979638020616
r1= : 3.9031130486197E-12
rpunto1 : = 4277894.1671281
rduepunti0 : = -1.4003561992274E+25
fil : = 488.15705074443
fipunto1 : = 8.188306422804E+17
fi_gradi : = 27969.338747209
t1 : = 1.0809071076584E-14
tpunto1 : = 1.0005926325181
tduepunti0 : = -1.5866826448948E+15
v=v_elettrone : = 5341602.5528776
x0= : -1.3773564757981E-12
y0= : -3.6514740760448E-12
*****
i=30938
k(30938)=0.99989826306601
kQ(30938)=0.99979653648242
r1= : 3.9036147544578E-12
rpunto1 : = 4276252.2303826
rduepunti0 : = -1.4000298766201E+25
fil : = 488.15714677581
fipunto1 : = 8.1862013743027E+17
fi_gradi : = 27969.344249402
t1 : = 1.0809071193932E-14
tpunto1 : = 1.0005924465533
tduepunti0 : = -1.5856653942156E+15
v=v_elettrone : = 5340040.6695047
x0= : -1.3771828140343E-12
y0= : -3.6520759804574E-12
*****
i=30939
k(30939)=0.9998983411639
kQ(30939)=0.99979669266231
r1= : 3.9041162677317E-12
rpunto1 : = 4274610.6760648
rduepunti0 : = -1.3997037920134E+25
fil : = 488.15724278251
fipunto1 : = 8.1840979450913E+17
fi_gradi : = 27969.349750181
t1 : = 1.080907131128E-14
tpunto1 : = 1.0005922607077
tduepunti0 : = -1.5846489130623E+15
v=v_elettrone : = 5338479.3311659
x0= : -1.3770090716468E-12
y0= : -3.6526776709454E-12
*****
i=30940
k(30940)=0.99989841921362
kQ(30940)=0.9997968487459
r1= : 3.9046175884863E-12
rpunto1 : = 4272969.5038959
rduepunti0 : = -1.3993779451971E+25
fil : = 488.15733876454
fipunto1 : = 8.1819961336307E+17
fi_gradi : = 27969.355249546
t1 : = 1.0809071428629E-14
tpunto1 : = 1.0005920749813
tduepunti0 : = -1.5836332005614E+15
v=v_elettrone : = 5336918.5368074
x0= : -1.3768352486767E-12
y0= : -3.6532791475562E-12
```

```
*****
i=30941
k(30941)=0.99989849721522
kQ(30941)=0.99979700473326
r1= : 3.9051187167664E-12
rpunto1: = 4271328.7135972
rduepunti0 : = -1.3990523359611E+25
fil : = 488.15743472193
fipunto1 : = 8.1798959383839E+17
fi_gradi : = 27969.360747499
t1 : = 1.0809071545977E-14
tpunto1 : = 1.0005918893739
tduepunti0 : = -1.5826182558404E+15
v=v_elettrone : = 5335358.2853823
x0= : -1.3766613451653E-12
y0= : -3.653880410337E-12
*****
i=30942
k(30942)=0.99989857516873
kQ(30942)=0.99979716062445
r1= : 3.9056196526167E-12
rpunto1: = 4269688.3048905
rduepunti0 : = -1.3987269640958E+25
fil : = 488.15753065468
fipunto1 : = 8.1777973578159E+17
fi_gradi : = 27969.366244041
t1 : = 1.0809071663325E-14
tpunto1 : = 1.0005917038854
tduepunti0 : = -1.5816040780284E+15
v=v_elettrone : = 5333798.5781134
x0= : -1.3764873611539E-12
y0= : -3.6544814593349E-12
*****
i=30943
k(30943)=0.99989865307417
kQ(30943)=0.99979731641954
r1= : 3.906120396082E-12
rpunto1: = 4268048.2774974
rduepunti0 : = -1.3984018293916E+25
fil : = 488.15762656282
fipunto1 : = 8.1757003903936E+17
fi_gradi : = 27969.371739173
t1 : = 1.0809071780673E-14
tpunto1 : = 1.0005915185158
tduepunti0 : = -1.5805906662553E+15
v=v_elettrone : = 5332239.4150722
x0= : -1.3763132966835E-12
y0= : -3.6550822945972E-12
*****
i=30944
k(30944)=0.99989873093159
kQ(30944)=0.99979747211861
r1= : 3.9066209472071E-12
rpunto1: = 4266408.6311402
rduepunti0 : = -1.3980769316394E+25
fil : = 488.15772244636
fipunto1 : = 8.173605034586E+17
fi_gradi : = 27969.377232895
t1 : = 1.0809071898021E-14
tpunto1 : = 1.000591333265
tduepunti0 : = -1.5795780196525E+15
v=v_elettrone : = 5330680.7940638
x0= : -1.376139151795E-12
y0= : -3.6556829161711E-12
```

```
*****
i=30945
k(30945)=0.99989880874102
kQ(30945)=0.99979762772171
r1= : 3.9071213060366E-12
rpunto1: = 4264769.3655412
rduerpunti0 : = -1.3977522706301E+25
fil : = 488.15781830533
fipunto1 : = 8.171511288864E+17
fi_gradi : = 27969.38272521
t1 : = 1.0809072015369E-14
tpunto1 : = 1.0005911481328
tduerpunti0 : = -1.5785661373525E+15
v=v_elettrone : = 5329122.715184
x0= : -1.3759649265298E-12
y0= : -3.6562833241035E-12
*****
i=30946
k(30946)=0.99989888650249
kQ(30946)=0.99979778322892
r1= : 3.9076214726151E-12
rpunto1: = 4263130.480423
rduerpunti0 : = -1.397427846155E+25
fil : = 488.15791413975
fipunto1 : = 8.1694191517007E+17
fi_gradi : = 27969.388216117
t1 : = 1.0809072132717E-14
tpunto1 : = 1.0005909631192
tduerpunti0 : = -1.5775550184889E+15
v=v_elettrone : = 5327565.179645
x0= : -1.3757906209289E-12
y0= : -3.6568835184415E-12
*****
i=30947
k(30947)=0.99989896421603
kQ(30947)=0.9997979386403
r1= : 3.9081214469874E-12
rpunto1: = 4261491.9755084
rduerpunti0 : = -1.3971036580058E+25
fil : = 488.15800994963
fipunto1 : = 8.167328621571E+17
fi_gradi : = 27969.393705619
t1 : = 1.0809072250065E-14
tpunto1 : = 1.0005907782241
tduerpunti0 : = -1.5765446621966E+15
v=v_elettrone : = 5326008.1863858
x0= : -1.3756162350333E-12
y0= : -3.6574834992322E-12
*****
i=30948
k(30948)=0.99989904188169
kQ(30948)=0.99979809395592
r1= : 3.9086212291979E-12
rpunto1: = 4259853.8505205
rduerpunti0 : = -1.3967797059742E+25
fil : = 488.15810573499
fipunto1 : = 8.1652396969519E+17
fi_gradi : = 27969.399193716
t1 : = 1.0809072367413E-14
tpunto1 : = 1.0005905934474
tduerpunti0 : = -1.5755350676119E+15
v=v_elettrone : = 5324451.7343484
x0= : -1.3754417688839E-12
y0= : -3.6580832665225E-12
```

```
*****
i=30949
k(30949)=0.99989911949949
kQ(30949)=0.99979824917586
r1= : 3.9091208192913E-12
rpunto1 : = 4258216.1051827
rduepunti0 : = -1.3964559898522E+25
fil : = 488.15820149586
fipunto1 : = 8.1631523763222E+17
fi_gradi : = 27969.404680409
t1 : = 1.0809072484761E-14
tpunto1 : = 1.0005904087891
tduepunti0 : = -1.574526233872E+15
v=v_elettrone : = 5322895.8236249
x0= : -1.3752672225218E-12
y0= : -3.6586828203595E-12
*****
i=30950
k(30950)=0.99989919706947
kQ(30950)=0.99979840430017
r1= : 3.909620217312E-12
rpunto1 : = 4256578.7392184
rduepunti0 : = -1.3961325094322E+25
fil : = 488.15829723224
fipunto1 : = 8.161066658163E+17
fi_gradi : = 27969.4101657
t1 : = 1.0809072602109E-14
tpunto1 : = 1.0005902242489
tduepunti0 : = -1.5735181601153E+15
v=v_elettrone : = 5321340.4554407
x0= : -1.3750925959879E-12
y0= : -3.65928216079E-12
*****
i=30951
k(30951)=0.99989927459166
kQ(30951)=0.99979855932893
r1= : 3.9101194233046E-12
rpunto1 : = 4254941.7523516
rduepunti0 : = -1.3958092645067E+25
fil : = 488.15839294417
fipunto1 : = 8.1589825409571E+17
fi_gradi : = 27969.41564959
t1 : = 1.0809072719457E-14
tpunto1 : = 1.0005900398269
tduepunti0 : = -1.5725108454816E+15
v=v_elettrone : = 5319785.6275777
x0= : -1.374917889323E-12
y0= : -3.6598812878609E-12
*****
i=30952
k(30952)=0.9998993520661
kQ(30952)=0.9997987142622
r1= : 3.9106184373135E-12
rpunto1 : = 4253305.1443063
rduepunti0 : = -1.3954862548686E+25
fil : = 488.15848863165
fipunto1 : = 8.1569000231894E+17
fi_gradi : = 27969.421132078
t1 : = 1.0809072836805E-14
tpunto1 : = 1.0005898555229
tduepunti0 : = -1.5715042891119E+15
v=v_elettrone : = 5318231.3401257
x0= : -1.3747431025681E-12
y0= : -3.6604802016191E-12
```

```
*****
i=30953
k(30953)=0.99989942949281
kQ(30953)=0.99979886910005
r1= : 3.91111172593832E-12
rpunto1: = 4251668.9148067
rduepunti0 : = -1.395163480311E+25
fil : = 488.1585842947
fipunto1 : = 8.1548191033467E+17
fi_gradi : = 27969.426613168
t1 : = 1.0809072954153E-14
tpunto1 : = 1.0005896713369
tduepunti0 : = -1.5704984901481E+15
v=v_elettrone : = 5316677.5943118
x0= : -1.3745682357639E-12
y0= : -3.6610789021114E-12
*****
i=30954
k(30954)=0.99989950687184
kQ(30954)=0.99979902384255
r1= : 3.911615889558E-12
rpunto1: = 4250033.0635775
rduepunti0 : = -1.394840940627E+25
fil : = 488.15867993336
fipunto1 : = 8.1527397799179E+17
fi_gradi : = 27969.432092859
t1 : = 1.08090730715E-14
tpunto1 : = 1.0005894872688
tduepunti0 : = -1.5694934477336E+15
v=v_elettrone : = 5315124.3868098
x0= : -1.3743932889513E-12
y0= : -3.6616773893847E-12
*****
i=30955
k(30955)=0.99989958420321
kQ(30955)=0.99979917848976
r1= : 3.9121143278823E-12
rpunto1: = 4248397.5903434
rduepunti0 : = -1.3945186356104E+25
fil : = 488.15877554762
fipunto1 : = 8.1506620513939E+17
fi_gradi : = 27969.437571153
t1 : = 1.0809073188848E-14
tpunto1 : = 1.0005893033184
tduepunti0 : = -1.5684891610127E+15
v=v_elettrone : = 5313571.7210876
x0= : -1.3742182621712E-12
y0= : -3.6622756634855E-12
*****
i=30956
k(30956)=0.99989966148697
kQ(30956)=0.99979933304175
r1= : 3.9126125744005E-12
rpunto1: = 4246762.4948294
rduepunti0 : = -1.394196565055E+25
fil : = 488.15887113752
fipunto1 : = 8.1485859162673E+17
fi_gradi : = 27969.443048051
t1 : = 1.0809073306196E-14
tpunto1 : = 1.0005891194857
tduepunti0 : = -1.5674856291313E+15
v=v_elettrone : = 5312019.5938333
x0= : -1.3740431554641E-12
y0= : -3.6628737244607E-12
```

```
*****
i=30957
k(30957)=0.99989973872314
kQ(30957)=0.9997994874986
r1= : 3.9131106291568E-12
rpunto1: = 4245127.7767608
rduerpunti0 : = -1.3938747287548E+25
fil : = 488.15896670307
fipunto1 : = 8.1465113730328E+17
fi_gradi : = 27969.448523553
t1 : = 1.0809073423544E-14
tpunto1 : = 1.0005889357707
tduerpunti0 : = -1.566482851236E+15
v=v_elettrone : = 5310468.006268
x0= : -1.3738679688709E-12
y0= : -3.6634715723569E-12
*****
i=30958
k(30958)=0.99989981591175
kQ(30958)=0.99979964186036
r1= : 3.9136084921954E-12
rpunto1: = 4243493.4358632
rduerpunti0 : = -1.3935531265042E+25
fil : = 488.15906224429
fipunto1 : = 8.1444384201873E+17
fi_gradi : = 27969.453997662
t1 : = 1.0809073540892E-14
tpunto1 : = 1.0005887521731
tduerpunti0 : = -1.565480826475E+15
v=v_elettrone : = 5308916.9584579
x0= : -1.3736927024323E-12
y0= : -3.6640692072208E-12
*****
i=30959
k(30959)=0.99989989305285
kQ(30959)=0.9997997961271
r1= : 3.9141061635608E-12
rpunto1: = 4241859.4718622
rduerpunti0 : = -1.3932317580978E+25
fil : = 488.1591577612
fipunto1 : = 8.1423670562292E+17
fi_gradi : = 27969.459470378
t1 : = 1.0809073658239E-14
tpunto1 : = 1.000588568693
tduerpunti0 : = -1.5644795539974E+15
v=v_elettrone : = 5307366.4493555
x0= : -1.3735173561888E-12
y0= : -3.6646666290991E-12
*****
i=30960
k(30960)=0.99989997014646
kQ(30960)=0.9997999502989
r1= : 3.9146036432969E-12
rpunto1: = 4240225.8844839
rduerpunti0 : = -1.3929106233304E+25
fil : = 488.15925325382
fipunto1 : = 8.1402972796593E+17
fi_gradi : = 27969.464941702
t1 : = 1.0809073775587E-14
tpunto1 : = 1.0005883853302
tduerpunti0 : = -1.5634790329535E+15
v=v_elettrone : = 5305816.4779046
x0= : -1.373341930181E-12
y0= : -3.6652638380383E-12
```



```
*****
i=30961
k(30961)=0.99990004719262
kQ(30961)=0.99980010437581
r1= : 3.9151009314481E-12
rpunto1: = 4238592.6734545
rduepunti0 : = -1.392589721997E+25
fil : = 488.15934872216
fipunto1 : = 8.13822908898E+17
fi_gradi : = 27969.470411635
t1 : = 1.0809073892935E-14
tpunto1 : = 1.0005882020847
tduepunti0 : = -1.5624792624949E+15
v=v_elettrone : = 5304267.0453029
x0= : -1.3731664244498E-12
y0= : -3.6658608340849E-12
*****
i=30962
k(30962)=0.99990012419136
kQ(30962)=0.99980025835791
r1= : 3.9155980280584E-12
rpunto1: = 4236959.8385004
rduepunti0 : = -1.3922690538931E+25
fil : = 488.15944416625
fipunto1 : = 8.1361624826958E+17
fi_gradi : = 27969.475880178
t1 : = 1.0809074010282E-14
tpunto1 : = 1.0005880189563
tduepunti0 : = -1.5614802417744E+15
v=v_elettrone : = 5302718.1516627
x0= : -1.3729908390355E-12
y0= : -3.6664576172854E-12
*****
i=30963
k(30963)=0.99990020114272
kQ(30963)=0.99980041224525
r1= : 3.9160949331719E-12
rpunto1: = 4235327.3793484
rduepunti0 : = -1.3919486188142E+25
fil : = 488.1595395861
fipunto1 : = 8.1340974593132E+17
fi_gradi : = 27969.481347333
t1 : = 1.080907412763E-14
tpunto1 : = 1.0005878359451
tduepunti0 : = -1.5604819699458E+15
v=v_elettrone : = 5301169.7947592
x0= : -1.3728151739786E-12
y0= : -3.6670541876865E-12
*****
i=30964
k(30964)=0.99990027804673
kQ(30964)=0.99980056603792
r1= : 3.9165916468328E-12
rpunto1: = 4233695.2957254
rduepunti0 : = -1.3916284165562E+25
fil : = 488.15963498173
fipunto1 : = 8.1320340173406E+17
fi_gradi : = 27969.4868131
t1 : = 1.0809074244978E-14
tpunto1 : = 1.0005876530508
tduepunti0 : = -1.5594844461642E+15
v=v_elettrone : = 5299621.9758346
x0= : -1.3726394293198E-12
y0= : -3.6676505453344E-12
```

```
*****
i=30965
k(30965)=0.99990035490341
kQ(30965)=0.99980071973597
r1= : 3.9170881690851E-12
rpunto1: = 4232063.5873587
rduepunti0 : = -1.3913084469151E+25
fil : = 488.15973035317
fipunto1 : = 8.1299721552882E+17
fi_gradi : = 27969.492277481
t1 : = 1.0809074362325E-14
tpunto1 : = 1.0005874702734
tduepunti0 : = -1.5584876695858E+15
v=v_elettrone : = 5298074.6938137
x0= : -1.3724636050994E-12
y0= : -3.6682466902757E-12
*****
i=30966
k(30966)=0.99990043171281
kQ(30966)=0.99980087333947
r1= : 3.9175844999727E-12
rpunto1: = 4230432.2539756
rduepunti0 : = -1.3909887096872E+25
fil : = 488.15982570042
fipunto1 : = 8.1279118716683E+17
fi_gradi : = 27969.497740476
t1 : = 1.0809074479673E-14
tpunto1 : = 1.0005872876128
tduepunti0 : = -1.5574916393681E+15
v=v_elettrone : = 5296527.9487774
x0= : -1.3722877013579E-12
y0= : -3.6688426225566E-12
*****
i=30967
k(30967)=0.99990050847496
kQ(30967)=0.99980102684849
r1= : 3.9180806395397E-12
rpunto1: = 4228801.2953038
rduepunti0 : = -1.3906692046693E+25
fil : = 488.15992102351
fipunto1 : = 8.1258531649951E+17
fi_gradi : = 27969.503202087
t1 : = 1.080907459702E-14
tpunto1 : = 1.0005871050689
tduepunti0 : = -1.5564963546694E+15
v=v_elettrone : = 5294981.7396787
x0= : -1.3721117181357E-12
y0= : -3.6694383422236E-12
*****
i=30968
k(30968)=0.99990058518989
kQ(30968)=0.99980118026309
r1= : 3.9185765878299E-12
rpunto1: = 4227170.7110712
rduepunti0 : = -1.390349931658E+25
fil : = 488.16001632245
fipunto1 : = 8.1237960337847E+17
fi_gradi : = 27969.508662314
t1 : = 1.0809074714368E-14
tpunto1 : = 1.0005869226417
tduepunti0 : = -1.555018146496E+15
v=v_elettrone : = 5293436.0677384
x0= : -1.3719356554735E-12
y0= : -3.6700338493229E-12
```

```
*****
i=30969
k(30969)=0.99990066185764
kQ(30969)=0.99980133358334
r1= : 3.9190723448874E-12
rpunto1 : = 4225540.5010059
rduepunti0 : = -1.3900308904504E+25
fil : = 488.16011159727
fipunto1 : = 8.1217404765552E+17
fi_gradi : = 27969.514121159
t1 : = 1.0809074831716E-14
tpunto1 : = 1.000586740331
tduepunti0 : = -1.5545080184696E+15
v=v_elettrone : = 5291890.9318648
x0= : -1.3717595134113E-12
y0= : -3.6706291439009E-12
*****
i=30970
k(30970)=0.99990073847823
kQ(30970)=0.99980148680931
r1= : 3.919567910756E-12
rpunto1 : = 4223910.6648365
rduepunti0 : = -1.389712080844E+25
fil : = 488.16020684798
fipunto1 : = 8.1196864918265E+17
fi_gradi : = 27969.519578623
t1 : = 1.0809074949063E-14
tpunto1 : = 1.0005865581368
tduepunti0 : = -1.5535149652914E+15
v=v_elettrone : = 5290346.3321714
x0= : -1.3715832919896E-12
y0= : -3.6712242260037E-12
*****
i=30971
k(30971)=0.9999008150517
kQ(30971)=0.99980163994106
r1= : 3.9200632854795E-12
rpunto1 : = 4222281.2022913
rduepunti0 : = -1.3893935026362E+25
fil : = 488.1603020746
fipunto1 : = 8.1176340781204E+17
fi_gradi : = 27969.525034706
t1 : = 1.0809075066411E-14
tpunto1 : = 1.000586376059
tduepunti0 : = -1.5525226542781E+15
v=v_elettrone : = 5288802.2675994
x0= : -1.3714069912485E-12
y0= : -3.6718190956776E-12
*****
i=30972
k(30972)=0.99990089157809
kQ(30972)=0.99980179297866
r1= : 3.9205584691018E-12
rpunto1 : = 4220652.1130994
rduepunti0 : = -1.3890751556248E+25
fil : = 488.16039727715
fipunto1 : = 8.1155832339608E+17
fi_gradi : = 27969.53048941
t1 : = 1.0809075183758E-14
tpunto1 : = 1.0005861940975
tduepunti0 : = -1.5515310845942E+15
v=v_elettrone : = 5287258.7393391
x0= : -1.3712306112284E-12
y0= : -3.6724137529688E-12
```

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*****
i=30973
k(30973)=0.99990096805742
kQ(30973)=0.99980194592217
r1= : 3.9210534616666E-12
rpunto1: = 4219023.3969898
rduepunti0 : = -1.3887570396081E+25
fil : = 488.16049245565
fipunto1 : = 8.1135339578733E+17
fi_gradi : = 27969.535942737
t1 : = 1.0809075301105E-14
tpunto1 : = 1.0005860122521
tduepunti0 : = -1.550540255405E+15
v=v_elettrone : = 5285715.7452251
x0= : -1.3710541519694E-12
y0= : -3.6730081979235E-12
*****
i=30974
k(30974)=0.99990104448974
kQ(30974)=0.99980209877166
r1= : 3.9215482632178E-12
rpunto1: = 4217395.0536919
rduepunti0 : = -1.3884391543841E+25
fil : = 488.16058761012
fipunto1 : = 8.1114862483856E+17
fi_gradi : = 27969.541394686
t1 : = 1.0809075418453E-14
tpunto1 : = 1.0005858305229
tduepunti0 : = -1.5495501658774E+15
v=v_elettrone : = 5284173.2853031
x0= : -1.3708776135119E-12
y0= : -3.6736024305877E-12
*****
i=30975
k(30975)=0.99990112087506
kQ(30975)=0.9998022515272
r1= : 3.9220428737989E-12
rpunto1: = 4215767.0829351
rduepunti0 : = -1.3881214997516E+25
fil : = 488.16068274057
fipunto1 : = 8.1094401040273E+17
fi_gradi : = 27969.546845259
t1 : = 1.08090755358E-14
tpunto1 : = 1.0005856489097
tduepunti0 : = -1.5485608151789E+15
v=v_elettrone : = 5282631.3608172
x0= : -1.3707009958961E-12
y0= : -3.6741964510075E-12
*****
i=30976
k(30976)=0.99990119721343
kQ(30976)=0.99980240418886
r1= : 3.9225372934538E-12
rpunto1: = 4214139.4844493
rduepunti0 : = -1.3878040755093E+25
fil : = 488.16077784702
fipunto1 : = 8.1073955233297E+17
fi_gradi : = 27969.552294458
t1 : = 1.0809075653148E-14
tpunto1 : = 1.0005854674125
tduepunti0 : = -1.5475722024786E+15
v=v_elettrone : = 5281089.9707048
x0= : -1.370524299162E-12
y0= : -3.6747902592289E-12

```

```
*****
i=30977
k(30977)=0.99990127350488
kQ(30977)=0.99980255675669
r1= : 3.9230315222261E-12
rpunto1: = 4212512.2579646
rduepunti0 : = -1.3874868814562E+25
fil : = 488.1608729295
fipunto1 : = 8.1053525048262E+17
fi_gradi : = 27969.557742282
t1 : = 1.0809075770495E-14
tpunto1 : = 1.0005852860311
tduepunti0 : = -1.5465843269466E+15
v=v_elettrone : = 5279549.1150423
x0= : -1.3703475233498E-12
y0= : -3.675383855298E-12
*****
i=30978
k(30978)=0.99990134974945
kQ(30978)=0.99980270923076
r1= : 3.9235255601593E-12
rpunto1: = 4210885.4032112
rduepunti0 : = -1.3871699173917E+25
fil : = 488.16096798801
fipunto1 : = 8.1033110470519E+17
fi_gradi : = 27969.563188734
t1 : = 1.0809075887842E-14
tpunto1 : = 1.0005851047655
tduepunti0 : = -1.5455971877541E+15
v=v_elettrone : = 5278008.7916096
x0= : -1.3701706684994E-12
y0= : -3.6759772392608E-12
*****
i=30979
k(30979)=0.99990142594715
kQ(30979)=0.99980286161115
r1= : 3.9240194072972E-12
rpunto1: = 4209258.9199196
rduepunti0 : = -1.3868531831153E+25
fil : = 488.16106302259
fipunto1 : = 8.1012711485441E+17
fi_gradi : = 27969.568633814
t1 : = 1.080907600519E-14
tpunto1 : = 1.0005849236155
tduepunti0 : = -1.5446107840735E+15
v=v_elettrone : = 5276469.0027986
x0= : -1.3699937346511E-12
y0= : -3.6765704111631E-12
*****
i=30980
k(30980)=0.99990150209803
kQ(30980)=0.9998030138979
r1= : 3.9245130636832E-12
rpunto1: = 4207632.8078206
rduepunti0 : = -1.3865366784267E+25
fil : = 488.16115803324
fipunto1 : = 8.0992328078417E+17
fi_gradi : = 27969.574077523
t1 : = 1.0809076122537E-14
tpunto1 : = 1.0005847425812
tduepunti0 : = -1.5436251150782E+15
v=v_elettrone : = 5274929.7475261
x0= : -1.3698167218448E-12
y0= : -3.677163371051E-12
```

```
*****
i=30981
k(30981)=0.99990157820213
kQ(30981)=0.9998031660911
r1= : 3.9250065293609E-12
rpunto1: = 4206007.0666451
rduepunti0 : = -1.386220403126E+25
fil : = 488.16125301998
fipunto1 : = 8.0971960234857E+17
fi_gradi : = 27969.579519863
t1 : = 1.0809076239884E-14
tpunto1 : = 1.0005845616624
tduepunti0 : = -1.5426401799428E+15
v=v_elettrone : = 5273391.023595
x0= : -1.3696396301204E-12
y0= : -3.6777561189703E-12
*****
i=30982
k(30982)=0.99990165425946
kQ(30982)=0.99980331819081
r1= : 3.9254998043739E-12
rpunto1: = 4204381.6961244
rduepunti0 : = -1.3859043570134E+25
fil : = 488.16134798284
fipunto1 : = 8.0951607940189E+17
fi_gradi : = 27969.584960834
t1 : = 1.0809076357231E-14
tpunto1 : = 1.000584380859
tduepunti0 : = -1.5416559778433E+15
v=v_elettrone : = 5271852.8333638
x0= : -1.3694624595182E-12
y0= : -3.6783486549668E-12
*****
i=30983
k(30983)=0.99990173027007
kQ(30983)=0.99980347019708
r1= : 3.9259928887654E-12
rpunto1: = 4202756.6959898
rduepunti0 : = -1.3855885398894E+25
fil : = 488.16144292183
fipunto1 : = 8.0931271179858E+17
fi_gradi : = 27969.590400437
t1 : = 1.0809076474579E-14
tpunto1 : = 1.0005842001709
tduepunti0 : = -1.5406725079564E+15
v=v_elettrone : = 5270315.1757874
x0= : -1.3692852100779E-12
y0= : -3.6789409790864E-12
*****
i=30984
k(30984)=0.99990180623399
kQ(30984)=0.99980362211
r1= : 3.9264857825791E-12
rpunto1: = 4201132.0659732
rduepunti0 : = -1.3852729515549E+25
fil : = 488.16153783696
fipunto1 : = 8.0910949939332E+17
fi_gradi : = 27969.595838674
t1 : = 1.0809076591926E-14
tpunto1 : = 1.0005840195981
tduepunti0 : = -1.5396897694602E+15
v=v_elettrone : = 5268778.0497793
x0= : -1.3691078818394E-12
y0= : -3.6795330913748E-12
```

```
*****
i=30985
k(30985)=0.99990188215125
kQ(30985)=0.99980377392961
r1= : 3.9269784858583E-12
rpunto1:= 4199507.8058063
rduepunti0 := -1.3849575918107E+25
fil := 488.16163272827
fipunto1 := 8.0890644204093E+17
fi_gradi := 27969.601275545
t1 := 1.0809076709273E-14
tpunto1 := 1.0005838391405
tduepunti0 := -1.5387077615339E+15
v=v_elettrone := 5267241.4565731
x0= : -1.3689304748426E-12
y0= : -3.6801249918778E-12
*****
i=30986
k(30986)=0.99990195802188
kQ(30986)=0.99980392565599
r1= : 3.9274709986465E-12
rpunto1:= 4197883.9152214
rduepunti0 := -1.3846424604581E+25
fil := 488.16172759576
fipunto1 := 8.0870353959646E+17
fi_gradi := 27969.606711052
t1 := 1.080907682662E-14
tpunto1 := 1.0005836587979
tduepunti0 := -1.5377264833577E+15
v=v_elettrone := 5265705.3939727
x0= : -1.3687529891273E-12
y0= : -3.6807166806411E-12
*****
i=30987
k(30987)=0.99990203384592
kQ(30987)=0.9998040772892
r1= : 3.9279633209868E-12
rpunto1:= 4196260.3939507
rduepunti0 := -1.3843275572986E+25
fil := 488.16182243945
fipunto1 := 8.0850079191512E+17
fi_gradi := 27969.612145195
t1 := 1.0809076943967E-14
tpunto1 := 1.0005834785704
tduepunti0 := -1.5367459341131E+15
v=v_elettrone := 5264169.8631784
x0= : -1.3685754247335E-12
y0= : -3.6813081577103E-12
*****
i=30988
k(30988)=0.99990210962339
kQ(30988)=0.99980422882931
r1= : 3.9284554529227E-12
rpunto1:= 4194637.241727
rduepunti0 := -1.384012882134E+25
fil := 488.16191725937
fipunto1 := 8.0829819885232E+17
fi_gradi := 27969.617577976
t1 := 1.0809077061314E-14
tpunto1 := 1.0005832984577
tduepunti0 := -1.5357661129826E+15
v=v_elettrone := 5262634.8642794
x0= : -1.3683977817009E-12
y0= : -3.6818994231312E-12
```

```
*****
i=30989
k(30989)=0.99990218535434
kQ(30989)=0.99980438027638
r1= : 3.9289473944974E-12
rpunto1 : = 4193014.4582831
rduepunti0 : = -1.383698434766E+25
fil : = 488.16201205553
fipunto1 : = 8.0809576026365E+17
fi_gradi : = 27969.623009396
t1 : = 1.0809077178662E-14
tpunto1 : = 1.0005831184599
tduepunti0 : = -1.5347870191499E+15
v=v_elettrone : = 5261100.3950757
x0= : -1.368220060069E-12
y0= : -3.6824904769494E-12
*****
i=30990
k(30990)=0.99990226103879
kQ(30990)=0.99980453163048
r1= : 3.9294391457542E-12
rpunto1 : = 4191392.043352
rduepunti0 : = -1.383384214997E+25
fil : = 488.16210682794
fipunto1 : = 8.0789347600488E+17
fi_gradi : = 27969.628439455
t1 : = 1.0809077296009E-14
tpunto1 : = 1.0005829385768
tduepunti0 : = -1.5338086517997E+15
v=v_elettrone : = 5259566.4567823
x0= : -1.3680422598778E-12
y0= : -3.6830813192103E-12
*****
i=30991
k(30991)=0.99990233667677
kQ(30991)=0.99980468289167
r1= : 3.9299307067363E-12
rpunto1 : = 4189769.996667
rduepunti0 : = -1.3830702226294E+25
fil : = 488.16220157663
fipunto1 : = 8.0769134593198E+17
fi_gradi : = 27969.633868156
t1 : = 1.0809077413356E-14
tpunto1 : = 1.0005827588084
tduepunti0 : = -1.532831010118E+15
v=v_elettrone : = 5258033.0483269
x0= : -1.3678643811671E-12
y0= : -3.6836719499597E-12
*****
i=30992
k(30992)=0.99990241226832
kQ(30992)=0.99980483406001
r1= : 3.9304220774868E-12
rpunto1 : = 4188148.3179617
rduepunti0 : = -1.3827564574658E+25
fil : = 488.16229630162
fipunto1 : = 8.0748936990111E+17
fi_gradi : = 27969.639295497
t1 : = 1.0809077530703E-14
tpunto1 : = 1.0005825791546
tduepunti0 : = -1.5318540932918E+15
v=v_elettrone : = 5256500.1709597
x0= : -1.3676864239764E-12
y0= : -3.6842623692429E-12
```



```
*****
i=30993
k(30993)=0.99990248781348
kQ(30993)=0.99980498513558
r1= : 3.930913258049E-12
rpunto1 : = 4186527.0069699
rduepunti0 : = -1.3824429193092E+25
fil : = 488.16239100292
fipunto1 : = 8.0728754776859E+17
fi_gradi : = 27969.644721482
t1 : = 1.080907764805E-14
tpunto1 : = 1.0005823996152
tduepunti0 : = -1.5308779005091E+15
v=v_elettrone : = 5254967.8224315
x0= : -1.3675083883453E-12
y0= : -3.6848525771055E-12
*****
i=30994
k(30994)=0.99990256331226
kQ(30994)=0.99980513611843
r1= : 3.931404248466E-12
rpunto1 : = 4184906.0634255
rduepunti0 : = -1.3821296079627E+25
fil : = 488.16248568054
fipunto1 : = 8.0708587939095E+17
fi_gradi : = 27969.650146111
t1 : = 1.0809077765397E-14
tpunto1 : = 1.0005822201902
tduepunti0 : = -1.5299024309592E+15
v=v_elettrone : = 5253436.0039999
x0= : -1.3673302743136E-12
y0= : -3.6854425735929E-12
*****
i=30995
k(30995)=0.99990263876471
kQ(30995)=0.99980528700863
r1= : 3.9318950487808E-12
rpunto1 : = 4183285.4870629
rduepunti0 : = -1.3818165232298E+25
fil : = 488.16258033452
fipunto1 : = 8.0688436462489E+17
fi_gradi : = 27969.655569384
t1 : = 1.0809077882744E-14
tpunto1 : = 1.0005820408796
tduepunti0 : = -1.5289276838325E+15
v=v_elettrone : = 5251904.7145827
x0= : -1.3671520819208E-12
y0= : -3.6860323587506E-12
*****
i=30996
k(30996)=0.99990271417085
kQ(30996)=0.99980543780624
r1= : 3.9323856590366E-12
rpunto1 : = 4181665.2776163
rduepunti0 : = -1.3815036649139E+25
fil : = 488.16267496487
fipunto1 : = 8.0668300332731E+17
fi_gradi : = 27969.660991303
t1 : = 1.0809078000091E-14
tpunto1 : = 1.0005818616832
tduepunti0 : = -1.5279536583204E+15
v=v_elettrone : = 5250373.9542761
x0= : -1.3669738112064E-12
y0= : -3.6866219326238E-12
```

```
*****
i=30997
k(30997)=0.99990278953073
kQ(30997)=0.99980558851133
r1= : 3.9328760792763E-12
rpunto1: = 4180045.4348206
rduepunti0 : = -1.381191032819E+25
fil : = 488.16276957159
fipunto1 : = 8.0648179535527E+17
fi_gradi : = 27969.66641187
t1 : = 1.0809078117438E-14
tpunto1 : = 1.0005816826009
tduepunti0 : = -1.5269803536155E+15
v=v_elettrone : = 5248843.7231288
x0= : -1.36679546221E-12
y0= : -3.6872112952581E-12
*****
i=30998
k(30998)=0.99990286484437
kQ(30998)=0.99980573912397
r1= : 3.933366309543E-12
rpunto1: = 4178425.9584107
rduepunti0 : = -1.3808786267492E+25
fil : = 488.16286415473
fipunto1 : = 8.0628074056604E+17
fi_gradi : = 27969.671831084
t1 : = 1.0809078234785E-14
tpunto1 : = 1.0005815036327
tduepunti0 : = -1.5260077689114E+15
v=v_elettrone : = 5247314.020105
x0= : -1.366617034971E-12
y0= : -3.6878004466987E-12
*****
i=30999
k(30999)=0.9999029401118
kQ(30999)=0.99980588964421
r1= : 3.9338563498796E-12
rpunto1: = 4176806.8481216
rduepunti0 : = -1.3805664465089E+25
fil : = 488.16295871428
fipunto1 : = 8.0607983881706E+17
fi_gradi : = 27969.677248947
t1 : = 1.0809078352131E-14
tpunto1 : = 1.0005813247785
tduepunti0 : = -1.5250359034029E+15
v=v_elettrone : = 5245784.8452682
x0= : -1.3664385295289E-12
y0= : -3.6883893869908E-12
*****
i=31000
k(31000)=0.99990301533305
kQ(31000)=0.99980604007213
r1= : 3.934346200329E-12
rpunto1: = 4175188.1036889
rduepunti0 : = -1.3802544919025E+25
fil : = 488.16305325027
fipunto1 : = 8.0587908996595E+17
fi_gradi : = 27969.68266546
t1 : = 1.0809078469478E-14
tpunto1 : = 1.0005811460382
tduepunti0 : = -1.5240647562859E+15
v=v_elettrone : = 5244256.1986975
x0= : -1.3662599459231E-12
y0= : -3.6889781161798E-12
```

```
*****
i=31001
k(31001)=0.99990309050816
kQ(31001)=0.99980619040777
r1= : 3.9348358609342E-12
rpunto1: = 4173569.724848
rduepunti0 : = -1.379942762735E+25
fil : = 488.16314776271
fipunto1 : = 8.0567849387052E+17
fi_gradi : = 27969.688080625
t1 : = 1.0809078586825E-14
tpunto1 : = 1.0005809674117
tduepunti0 : = -1.5230943267574E+15
v=v_elettrone : = 5242728.0793242
x0= : -1.3660812841932E-12
y0= : -3.6895666343109E-12
*****
i=31002
k(31002)=0.99990316563716
kQ(31002)=0.99980634065122
r1= : 3.9353253317381E-12
rpunto1: = 4171951.7113349
rduepunti0 : = -1.3796312588113E+25
fil : = 488.16324225164
fipunto1 : = 8.0547805038877E+17
fi_gradi : = 27969.693494441
t1 : = 1.0809078704172E-14
tpunto1 : = 1.0005807888989
tduepunti0 : = -1.5221246140153E+15
v=v_elettrone : = 5241200.4872304
x0= : -1.3659025443784E-12
y0= : -3.6901549414292E-12
*****
i=31003
k(31003)=0.99990324072009
kQ(31003)=0.99980649080253
r1= : 3.9358146127834E-12
rpunto1: = 4170334.0628855
rduepunti0 : = -1.3793199799368E+25
fil : = 488.16333671705
fipunto1 : = 8.0527775937886E+17
fi_gradi : = 27969.698906911
t1 : = 1.0809078821519E-14
tpunto1 : = 1.0005806104998
tduepunti0 : = -1.5211556172589E+15
v=v_elettrone : = 5239673.4236453
x0= : -1.3657237265182E-12
y0= : -3.6907430375799E-12
*****
i=31004
k(31004)=0.99990331575697
kQ(31004)=0.99980664086177
r1= : 3.9363037041131E-12
rpunto1: = 4168716.7792363
rduepunti0 : = -1.379008925917E+25
fil : = 488.16343115897
fipunto1 : = 8.0507762069916E+17
fi_gradi : = 27969.704318034
t1 : = 1.0809078938866E-14
tpunto1 : = 1.0005804322142
tduepunti0 : = -1.5201873356885E+15
v=v_elettrone : = 5238146.8863574
x0= : -1.3655448306517E-12
y0= : -3.6913309228082E-12
```

```
*****
i=31005
k(31005)=0.99990339074783
kQ(31005)=0.999806790829
r1= : 3.9367926057698E-12
rpunto1 : = 4167099.8601237
rduepunti0 : = -1.3786980965575E+25
fil : = 488.16352557742
fipunto1 : = 8.048776342082E+17
fi_gradi : = 27969.709727813
t1 : = 1.0809079056212E-14
tpunto1 : = 1.0005802540421
tduepunti0 : = -1.5192197685052E+15
v=v_elettrone : = 5236620.8754421
x0= : -1.3653658568183E-12
y0= : -3.6919185971591E-12
*****
i=31006
k(31006)=0.99990346569271
kQ(31006)=0.99980694070429
r1= : 3.9372813177964E-12
rpunto1 : = 4165483.3052844
rduepunti0 : = -1.3783874916645E+25
fil : = 488.16361997242
fipunto1 : = 8.0467779976471E+17
fi_gradi : = 27969.715136248
t1 : = 1.0809079173559E-14
tpunto1 : = 1.0005800759833
tduepunti0 : = -1.5182529149117E+15
v=v_elettrone : = 5235095.3909605
x0= : -1.3651868050574E-12
y0= : -3.6925060606776E-12
*****
i=31007
k(31007)=0.99990354059164
kQ(31007)=0.99980709048769
r1= : 3.9377698402355E-12
rpunto1 : = 4163867.1144555
rduepunti0 : = -1.3780771110441E+25
fil : = 488.16371434398
fipunto1 : = 8.0447811722758E+17
fi_gradi : = 27969.72054334
t1 : = 1.0809079290906E-14
tpunto1 : = 1.0005798980379
tduepunti0 : = -1.5172867741113E+15
v=v_elettrone : = 5233570.4330176
x0= : -1.3650076754081E-12
y0= : -3.6930933134089E-12
*****
i=31008
k(31008)=0.99990361544465
kQ(31008)=0.99980724017927
r1= : 3.9382581731299E-12
rpunto1 : = 4162251.2873741
rduepunti0 : = -1.3777669545028E+25
fil : = 488.16380869212
fipunto1 : = 8.042785864559E+17
fi_gradi : = 27969.72594909
t1 : = 1.0809079408253E-14
tpunto1 : = 1.0005797202057
tduepunti0 : = -1.5163213453088E+15
v=v_elettrone : = 5232046.0005244
x0= : -1.3648284679096E-12
y0= : -3.6936803553979E-12
```

```
*****
i=31009
k(31009)=0.99990369025177
kQ(31009)=0.9998073897791
r1= : 3.9387463165222E-12
rpunto1 : = 4160635.8237776
rduepunti0 : = -1.3774570218472E+25
fil : = 488.16390301687
fipunto1 : = 8.0407920730894E+17
fi_gradi : = 27969.7313535
t1 : = 1.0809079525599E-14
tpunto1 : = 1.0005795424867
tduepunti0 : = -1.5153566277098E+15
v=v_elettrone : = 5230522.0935776
x0= : -1.3646491826011E-12
y0= : -3.6942671866895E-12
*****
i=31010
k(31010)=0.99990376501304
kQ(31010)=0.99980753928724
r1= : 3.9392342704551E-12
rpunto1 : = 4159020.7234038
rduepunti0 : = -1.3771473128844E+25
fil : = 488.16399731822
fipunto1 : = 8.0387997964613E+17
fi_gradi : = 27969.73675657
t1 : = 1.0809079642946E-14
tpunto1 : = 1.0005793648807
tduepunti0 : = -1.514392620521E+15
v=v_elettrone : = 5228998.7133984
x0= : -1.364469819522E-12
y0= : -3.6948538073287E-12
*****
i=31011
k(31011)=0.99990383972848
kQ(31011)=0.99980768870376
r1= : 3.939722034971E-12
rpunto1 : = 4157405.9859905
rduepunti0 : = -1.3768378274214E+25
fil : = 488.16409159622
fipunto1 : = 8.036809033271E+17
fi_gradi : = 27969.742158301
t1 : = 1.0809079760293E-14
tpunto1 : = 1.0005791873877
tduepunti0 : = -1.5134293229504E+15
v=v_elettrone : = 5227475.8566032
x0= : -1.3642903787109E-12
y0= : -3.6954402173604E-12
*****
i=31012
k(31012)=0.99990391439813
kQ(31012)=0.9998078380287
r1= : 3.9402096101127E-12
rpunto1 : = 4155791.6112759
rduepunti0 : = -1.3765285652656E+25
fil : = 488.16418585086
fipunto1 : = 8.0348197821165E+17
fi_gradi : = 27969.747558694
t1 : = 1.0809079877639E-14
tpunto1 : = 1.0005790100076
tduepunti0 : = -1.5124667342068E+15
v=v_elettrone : = 5225953.5255902
x0= : -1.3641108602074E-12
y0= : -3.6960264168294E-12
```

```

*****
i=31013
k(31013)=0.99990398902202
kQ(31013)=0.99980798726215
r1= : 3.9406969959227E-12
rpunto1: = 4154177.5989981
rduepunti0 : = -1.3762195262247E+25
fil : = 488.16428008218
fipunto1 : = 8.0328320415978E+17
fi_gradi : = 27969.752957751
t1 : = 1.0809079994986E-14
tpunto1 : = 1.0005788327403
tduepunti0 : = -1.5115048535003E+15
v=v_elettrone : = 5224431.7192774
x0= : -1.3639312640503E-12
y0= : -3.6966124057806E-12
*****
i=31014
k(31014)=0.99990406360018
kQ(31014)=0.99980813640416
r1= : 3.9411841924433E-12
rpunto1: = 4152563.9488959
rduepunti0 : = -1.3759107101065E+25
fil : = 488.16437429019
fipunto1 : = 8.0308458103164E+17
fi_gradi : = 27969.758355472
t1 : = 1.0809080112332E-14
tpunto1 : = 1.0005786555857
tduepunti0 : = -1.5105436800419E+15
v=v_elettrone : = 5222910.4377476
x0= : -1.3637515902787E-12
y0= : -3.6971981842587E-12
*****
i=31015
k(31015)=0.99990413813265
kQ(31015)=0.99980828545479
r1= : 3.9416711997172E-12
rpunto1: = 4150950.660708
rduepunti0 : = -1.3756021167191E+25
fil : = 488.1644684749
fipunto1 : = 8.0288610868758E+17
fi_gradi : = 27969.763751859
t1 : = 1.0809080229679E-14
tpunto1 : = 1.0005784785437
tduepunti0 : = -1.5095832130438E+15
v=v_elettrone : = 5221389.6799398
x0= : -1.3635718389316E-12
y0= : -3.6977837523087E-12
*****
i=31016
k(31016)=0.99990421261945
kQ(31016)=0.99980843441412
r1= : 3.9421580177868E-12
rpunto1: = 4149337.7341733
rduepunti0 : = -1.3752937458708E+25
fil : = 488.16456263633
fipunto1 : = 8.0268778698812E+17
fi_gradi : = 27969.769146911
t1 : = 1.0809080347025E-14
tpunto1 : = 1.0005783016143
tduepunti0 : = -1.5086234517192E+15
v=v_elettrone : = 5219869.4459094
x0= : -1.3633920100479E-12
y0= : -3.6983691099751E-12

```

```
*****
i=31017
k(31017)=0.99990428706061
kQ(31017)=0.99980858328219
r1= : 3.9426446466945E-12
rpunto1 : = 4147725.1690312
rduepunti0 : = -1.3749855973701E+25
fil : = 488.1646567745
fipunto1 : = 8.0248961579397E+17
fi_gradi : = 27969.774540632
t1 : = 1.0809080464372E-14
tpunto1 : = 1.0005781247974
tduepunti0 : = -1.5076643952825E+15
v=v_elettrone : = 5218349.7357658
x0= : -1.3632121036666E-12
y0= : -3.6989542573027E-12
*****
i=31018
k(31018)=0.99990436145617
kQ(31018)=0.99980873205908
r1= : 3.9431310864826E-12
rpunto1 : = 4146112.9650211
rduepunti0 : = -1.3746776710259E+25
fil : = 488.16475088944
fipunto1 : = 8.0229159496599E+17
fi_gradi : = 27969.77993302
t1 : = 1.0809080581718E-14
tpunto1 : = 1.0005779480929
tduepunti0 : = -1.506706042949E+15
v=v_elettrone : = 5216830.549552
x0= : -1.3630321198267E-12
y0= : -3.6995391943362E-12
*****
i=31019
k(31019)=0.99990443580617
kQ(31019)=0.99980888074485
r1= : 3.9436173371935E-12
rpunto1 : = 4144501.1218827
rduepunti0 : = -1.3743699666471E+25
fil : = 488.16484498115
fipunto1 : = 8.0209372436525E+17
fi_gradi : = 27969.785324078
t1 : = 1.0809080699065E-14
tpunto1 : = 1.0005777715007
tduepunti0 : = -1.505748393935E+15
v=v_elettrone : = 5215311.8850652
x0= : -1.3628520585668E-12
y0= : -3.7001239211201E-12
*****
i=31020
k(31020)=0.99990451011062
kQ(31020)=0.99980902933955
r1= : 3.9441033988696E-12
rpunto1 : = 4142889.6393559
rduepunti0 : = -1.374062484043E+25
fil : = 488.16493904965
fipunto1 : = 8.0189600385299E+17
fi_gradi : = 27969.790713806
t1 : = 1.0809080816411E-14
tpunto1 : = 1.0005775950207
tduepunti0 : = -1.5047914474582E+15
v=v_elettrone : = 5213793.7446958
x0= : -1.3626719199262E-12
y0= : -3.7007084376992E-12
```

```
*****
i=31021
k(31021)=0.99990458436956
kQ(31021)=0.99980917784326
r1= : 3.9445892715531E-12
rpunto1: = 4141278.5171807
rduepunti0 : = -1.373755223023E+25
fil : = 488.16503309497
fipunto1 : = 8.0169843329061E+17
fi_gradi : = 27969.796102206
t1 : = 1.0809080933758E-14
tpunto1 : = 1.0005774186529
tduepunti0 : = -1.5038352027371E+15
v=v_elettrone : = 5212276.126196
x0= : -1.3624917039435E-12
y0= : -3.7012927441179E-12
*****
i=31022
k(31022)=0.99990465858303
kQ(31022)=0.99980932625604
r1= : 3.9450749552864E-12
rpunto1: = 4139667.7550977
rduepunti0 : = -1.3734481833968E+25
fil : = 488.16512711711
fipunto1 : = 8.0150101253971E+17
fi_gradi : = 27969.801489278
t1 : = 1.0809081051104E-14
tpunto1 : = 1.0005772423971
tduepunti0 : = -1.5028796589912E+15
v=v_elettrone : = 5210759.0308195
x0= : -1.3623114106576E-12
y0= : -3.7018768404209E-12
*****
i=31023
k(31023)=0.99990473275105
kQ(31023)=0.99980947457794
r1= : 3.9455604501115E-12
rpunto1: = 4138057.3528472
rduepunti0 : = -1.3731413649744E+25
fil : = 488.1652211161
fipunto1 : = 8.0130374146205E+17
fi_gradi : = 27969.806875023
t1 : = 1.0809081168451E-14
tpunto1 : = 1.0005770662534
tduepunti0 : = -1.5019248154413E+15
v=v_elettrone : = 5209242.4574814
x0= : -1.3621310401071E-12
y0= : -3.7024607266525E-12
*****
i=31024
k(31024)=0.99990480687365
kQ(31024)=0.99980962280904
r1= : 3.9460457560708E-12
rpunto1: = 4136447.3101702
rduepunti0 : = -1.3728347675658E+25
fil : = 488.16531509196
fipunto1 : = 8.0110661991958E+17
fi_gradi : = 27969.812259443
t1 : = 1.0809081285797E-14
tpunto1 : = 1.0005768902215
tduepunti0 : = -1.5009706713091E+15
v=v_elettrone : = 5207726.4051011
x0= : -1.3619505923308E-12
y0= : -3.7030444028574E-12
```



```
*****
i=31025
k(31025)=0.99990488095087
kQ(31025)=0.99980977094938
r1= : 3.9465308732064E-12
rpunto1 : = 4134837.6268077
rduepunti0 : = -1.3725283909816E+25
fil : = 488.1654090447
fipunto1 : = 8.0090964777441E+17
fi_gradi : = 27969.817642539
t1 : = 1.0809081403143E-14
tpunto1 : = 1.0005767143014
tduepunti0 : = -1.5000172258175E+15
v=v_elettrone : = 5206210.8749194
x0= : -1.3617700673676E-12
y0= : -3.70362786908E-12
*****
i=31026
k(31026)=0.99990495498275
kQ(31026)=0.99980991899905
r1= : 3.9470158015604E-12
rpunto1 : = 4133228.3025008
rduepunti0 : = -1.3722222350322E+25
fil : = 488.16550297433
fipunto1 : = 8.0071282488885E+17
fi_gradi : = 27969.82302431
t1 : = 1.080908152049E-14
tpunto1 : = 1.0005765384931
tduepunti0 : = -1.4990644781901E+15
v=v_elettrone : = 5204695.8670246
x0= : -1.3615894652562E-12
y0= : -3.7042111253645E-12
*****
i=31027
k(31027)=0.9999050289693
kQ(31027)=0.99981006695809
r1= : 3.9475005411749E-12
rpunto1 : = 4131619.3369911
rduepunti0 : = -1.3719162995286E+25
fil : = 488.16559688089
fipunto1 : = 8.0051615112537E+17
fi_gradi : = 27969.82840476
t1 : = 1.0809081637836E-14
tpunto1 : = 1.0005763627964
tduepunti0 : = -1.498112427652E+15
v=v_elettrone : = 5203181.3791681
x0= : -1.3614087860349E-12
y0= : -3.7047941717556E-12
*****
i=31028
k(31028)=0.99990510291056
kQ(31028)=0.99981021482657
r1= : 3.9479850920921E-12
rpunto1 : = 4130010.7300203
rduepunti0 : = -1.3716105842817E+25
fil : = 488.16569076438
fipunto1 : = 8.0031962634661E+17
fi_gradi : = 27969.833783887
t1 : = 1.0809081755182E-14
tpunto1 : = 1.0005761872113
tduepunti0 : = -1.497161073429E+15
v=v_elettrone : = 5201667.41259
x0= : -1.3612280297427E-12
y0= : -3.7053770082974E-12
```

```
*****
i=31029
k(31029)=0.99990517680656
kQ(31029)=0.99981036260455
r1= : 3.948469454354E-12
rpunto1 : = 4128402.4813302
rduepunti0 : = -1.3713050891029E+25
fil : = 488.16578462482
fipunto1 : = 8.0012325041541E+17
fi_gradi : = 27969.839161694
t1 : = 1.0809081872528E-14
tpunto1 : = 1.0005760117377
tduepunti0 : = -1.4962104147483E+15
v=v_elettrone : = 5200153.966222
x0= : -1.3610471964181E-12
y0= : -3.7059596350344E-12
*****
i=31030
k(31030)=0.99990525065733
kQ(31030)=0.9998105102921
r1= : 3.9489536280025E-12
rpunto1 : = 4126794.590663
rduepunti0 : = -1.3709998138037E+25
fil : = 488.16587846222
fipunto1 : = 7.9992702319474E+17
fi_gradi : = 27969.844538182
t1 : = 1.0809081989875E-14
tpunto1 : = 1.0005758363755
tduepunti0 : = -1.4952604508377E+15
v=v_elettrone : = 5198641.0413065
x0= : -1.3608662860997E-12
y0= : -3.7065420520107E-12
*****
i=31031
k(31031)=0.99990532446291
kQ(31031)=0.99981065788928
r1= : 3.9494376130798E-12
rpunto1 : = 4125187.057761
rduepunti0 : = -1.3706947581959E+25
fil : = 488.16597227662
fipunto1 : = 7.997309445478E+17
fi_gradi : = 27969.849913351
t1 : = 1.0809082107221E-14
tpunto1 : = 1.0005756611247
tduepunti0 : = -1.4943111809265E+15
v=v_elettrone : = 5197128.6355778
x0= : -1.3606852988259E-12
y0= : -3.7071242592707E-12
*****
i=31032
k(31032)=0.99990539822332
kQ(31032)=0.99981080539614
r1= : 3.9499214096277E-12
rpunto1 : = 4123579.8823668
rduepunti0 : = -1.3703899220913E+25
fil : = 488.16606606802
fipunto1 : = 7.9953501433793E+17
fi_gradi : = 27969.855287202
t1 : = 1.0809082224567E-14
tpunto1 : = 1.0005754859851
tduepunti0 : = -1.4933626042446E+15
v=v_elettrone : = 5195616.7502969
x0= : -1.3605042346355E-12
y0= : -3.7077062568586E-12
```

```
*****
i=31033
k(31033)=0.9999054719386
kQ(31033)=0.99981095281275
r1= : 3.9504050176881E-12
rpunto1: = 4121973.0642232
rduepunti0 : = -1.3700853053022E+25
fil : = 488.16615983644
fipunto1 : = 7.9933923242864E+17
fi_gradi : = 27969.860659737
t1 : = 1.0809082341913E-14
tpunto1 : = 1.0005753109566
tduepunti0 : = -1.4924147200234E+15
v=v_elettrone : = 5194105.3843874
x0= : -1.3603230935667E-12
y0= : -3.7082880448185E-12
*****
i=31034
k(31034)=0.99990554560877
kQ(31034)=0.99981110013918
r1= : 3.950888437303E-12
rpunto1: = 4120366.6030732
rduepunti0 : = -1.3697809076411E+25
fil : = 488.1662535819
fipunto1 : = 7.9914359868365E+17
fi_gradi : = 27969.866030956
t1 : = 1.080908245926E-14
tpunto1 : = 1.0005751360393
tduepunti0 : = -1.491467527495E+15
v=v_elettrone : = 5192594.5379166
x0= : -1.3601418756582E-12
y0= : -3.7088696231947E-12
*****
i=31035
k(31035)=0.99990561923388
kQ(31035)=0.99981124737548
r1= : 3.9513716685143E-12
rpunto1: = 4118760.4986601
rduepunti0 : = -1.3694767289204E+25
fil : = 488.16634730442
fipunto1 : = 7.9894811296681E+17
fi_gradi : = 27969.871400861
t1 : = 1.0809082576606E-14
tpunto1 : = 1.0005749612329
tduepunti0 : = -1.4905210258927E+15
v=v_elettrone : = 5191084.2098168
x0= : -1.3599605809483E-12
y0= : -3.7094509920312E-12
*****
i=31036
k(31036)=0.99990569281394
kQ(31036)=0.99981139452172
r1= : 3.9518547113637E-12
rpunto1: = 4117154.7507272
rduepunti0 : = -1.3691727689532E+25
fil : = 488.16644100401
fipunto1 : = 7.9875277514217E+17
fi_gradi : = 27969.876769452
t1 : = 1.0809082693952E-14
tpunto1 : = 1.0005747865375
tduepunti0 : = -1.4895752144507E+15
v=v_elettrone : = 5189574.4013149
x0= : -1.3597792094757E-12
y0= : -3.7100321513721E-12
```

```
*****
i=31037
k(31037)=0.99990576634899
kQ(31037)=0.99981154157795
r1= : 3.9523375658931E-12
rpunto1 : = 4115549.3590183
rduepunti0 : = -1.3688690275525E+25
fil : = 488.16653468069
fipunto1 : = 7.9855758507395E+17
fi_gradi : = 27969.88213673
t1 : = 1.0809082811298E-14
tpunto1 : = 1.0005746119529
tduepunti0 : = -1.4886300924044E+15
v=v_elettrone : = 5188065.1124995
x0= : -1.3595977612785E-12
y0= : -3.7106131012616E-12
*****
i=31038
k(31038)=0.99990583983906
kQ(31038)=0.99981168854425
r1= : 3.9528202321443E-12
rpunto1 : = 4113944.3232772
rduepunti0 : = -1.3685655045317E+25
fil : = 488.16662833448
fipunto1 : = 7.9836254262653E+17
fi_gradi : = 27969.887502697
t1 : = 1.0809082928644E-14
tpunto1 : = 1.000574437479
tduepunti0 : = -1.4876856589901E+15
v=v_elettrone : = 5186556.3411289
x0= : -1.359416236395E-12
y0= : -3.7111938417436E-12
*****
i=31039
k(31039)=0.99990591328418
kQ(31039)=0.99981183542066
r1= : 3.953302710159E-12
rpunto1 : = 4112339.643248
rduepunti0 : = -1.3682621997042E+25
fil : = 488.1667219654
fipunto1 : = 7.9816764766449E+17
fi_gradi : = 27969.892867354
t1 : = 1.080908304599E-14
tpunto1 : = 1.0005742631159
tduepunti0 : = -1.4867419134452E+15
v=v_elettrone : = 5185048.0872841
x0= : -1.3592346348637E-12
y0= : -3.7117743728621E-12
*****
i=31040
k(31040)=0.99990598668438
kQ(31040)=0.99981198220726
r1= : 3.9537849999789E-12
rpunto1 : = 4110735.3186751
rduepunti0 : = -1.3679591128838E+25
fil : = 488.16681557346
fipunto1 : = 7.9797290005255E+17
fi_gradi : = 27969.8982307
t1 : = 1.0809083163336E-14
tpunto1 : = 1.0005740888633
tduepunti0 : = -1.485798850082E+15
v=v_elettrone : = 5183540.3521978
x0= : -1.359052956723E-12
y0= : -3.7123546946612E-12
```

```
*****
i=31041
k(31041)=0.99990606003969
kQ(31041)=0.99981212890411
r1= : 3.9542671016457E-12
rpunto1: = 4109131.349303
rduepunti0 : = -1.3676562438846E+25
fil : = 488.16690915868
fipunto1 : = 7.9777829965562E+17
fi_gradi : = 27969.903592738
t1 : = 1.0809083280682E-14
tpunto1 : = 1.0005739147213
tduepunti0 : = -1.4848564829184E+15
v=v_elettrone : = 5182033.1347984
x0= : -1.358871202011E-12
y0= : -3.7129348071846E-12
*****
i=31042
k(31042)=0.99990613335015
kQ(31042)=0.99981227551125
r1= : 3.954749015201E-12
rpunto1: = 4107527.7348765
rduepunti0 : = -1.3673535925207E+25
fil : = 488.16700272107
fipunto1 : = 7.9758384633878E+17
fi_gradi : = 27969.908953469
t1 : = 1.0809083398028E-14
tpunto1 : = 1.0005737406897
tduepunti0 : = -1.4839147964163E+15
v=v_elettrone : = 5180526.4351641
x0= : -1.3586893707659E-12
y0= : -3.7135147104764E-12
*****
i=31043
k(31043)=0.99990620661578
kQ(31043)=0.99981242202877
r1= : 3.9552307406866E-12
rpunto1: = 4105924.4751405
rduepunti0 : = -1.3670511586065E+25
fil : = 488.16709626066
fipunto1 : = 7.9738953996729E+17
fi_gradi : = 27969.914312893
t1 : = 1.0809083515374E-14
tpunto1 : = 1.0005735667685
tduepunti0 : = -1.4829737947435E+15
v=v_elettrone : = 5179020.252208
x0= : -1.358507463026E-12
y0= : -3.7140944045805E-12
*****
i=31044
k(31044)=0.99990627983662
kQ(31044)=0.99981256845671
r1= : 3.955712278144E-12
rpunto1: = 4104321.5698402
rduepunti0 : = -1.3667489419567E+25
fil : = 488.16718977747
fipunto1 : = 7.9719538040655E+17
fi_gradi : = 27969.919671011
t1 : = 1.080908363272E-14
tpunto1 : = 1.0005733929576
tduepunti0 : = -1.4820334771424E+15
v=v_elettrone : = 5177514.5860159
x0= : -1.3583254788295E-12
y0= : -3.7146738895406E-12
```

```
*****
i=31045
k(31045)=0.99990635301269
kQ(31045)=0.99981271479514
r1= : 3.9561936276147E-12
rpunto1: = 4102719.0187211
rduepunti0 : = -1.3664469423862E+25
fil : = 488.1672832715
fipunto1 : = 7.9700136752218E+17
fi_gradi : = 27969.925027824
t1 : = 1.0809083750066E-14
tpunto1 : = 1.0005732192568
tduerpunti0 : = -1.4810938428566E+15
v=v_elettrone : = 5176009.4378266
x0= : -1.3581434182146E-12
y0= : -3.7152531654006E-12
*****
i=31046
k(31046)=0.99990642614403
kQ(31046)=0.99981286104412
r1= : 3.9566747891403E-12
rpunto1: = 4101116.8215288
rduepunti0 : = -1.3661451597101E+25
fil : = 488.16737674278
fipunto1 : = 7.9680750117992E+17
fi_gradi : = 27969.930383334
t1 : = 1.0809083867412E-14
tpunto1 : = 1.0005730456662
tduerpunti0 : = -1.4801548911306E+15
v=v_elettrone : = 5174504.8042266
x0= : -1.3579612812192E-12
y0= : -3.7158322322043E-12
*****
i=31047
k(31047)=0.99990649923066
kQ(31047)=0.99981300720371
r1= : 3.9571557627624E-12
rpunto1: = 4099514.9780091
rduepunti0 : = -1.3658435937437E+25
fil : = 488.16747019132
fipunto1 : = 7.9661378124572E+17
fi_gradi : = 27969.935737541
t1 : = 1.0809083984758E-14
tpunto1 : = 1.0005728721856
tduerpunti0 : = -1.47921662121E+15
v=v_elettrone : = 5173000.6888057
x0= : -1.3577790678818E-12
y0= : -3.7164110899954E-12
*****
i=31048
k(31048)=0.99990657227262
kQ(31048)=0.99981315327398
r1= : 3.9576365485223E-12
rpunto1: = 4097913.4879081
rduepunti0 : = -1.3655422443026E+25
fil : = 488.16756361715
fipunto1 : = 7.9642020758568E+17
fi_gradi : = 27969.941090447
t1 : = 1.0809084102104E-14
tpunto1 : = 1.0005726988149
tduerpunti0 : = -1.4782790323415E+15
v=v_elettrone : = 5171497.0881153
x0= : -1.35759677824E-12
y0= : -3.7169897388176E-12
```

```
*****
i=31049
k(31049)=0.99990664526993
kQ(31049)=0.99981329925497
r1= : 3.9581171464615E-12
rpunto1: = 4096312.350972
rduepunti0 : = -1.3652411112024E+25
fil : = 488.16765702027
fipunto1 : = 7.9622678006608E+17
fi_gradi : = 27969.946442051
t1 : = 1.080908421945E-14
tpunto1 : = 1.0005725255542
tduepunti0 : = -1.4773421237725E+15
v=v_elettrone : = 5169994.0034438
x0= : -1.3574144123323E-12
y0= : -3.7175681787147E-12
*****
i=31050
k(31050)=0.99990671822264
kQ(31050)=0.99981344514677
r1= : 3.9585975566215E-12
rpunto1: = 4094711.5669475
rduepunti0 : = -1.3649401942592E+25
fil : = 488.1677504007
fipunto1 : = 7.9603349855335E+17
fi_gradi : = 27969.951792356
t1 : = 1.0809084336795E-14
tpunto1 : = 1.0005723524032
tduepunti0 : = -1.4764058947517E+15
v=v_elettrone : = 5168491.4336678
x0= : -1.3572319701965E-12
y0= : -3.7181464097302E-12
*****
i=31051
k(31051)=0.99990679113076
kQ(31051)=0.99981359094941
r1= : 3.9590777790437E-12
rpunto1: = 4093111.135581
rduepunti0 : = -1.3646394932891E+25
fil : = 488.16784375847
fipunto1 : = 7.9584036291412E+17
fi_gradi : = 27969.957141362
t1 : = 1.0809084454141E-14
tpunto1 : = 1.000572179362
tduepunti0 : = -1.4754703445288E+15
v=v_elettrone : = 5166989.3800667
x0= : -1.3570494518707E-12
y0= : -3.7187244319077E-12
*****
i=31052
k(31052)=0.99990686399433
kQ(31052)=0.99981373666297
r1= : 3.9595578137693E-12
rpunto1: = 4091511.0566197
rduepunti0 : = -1.3643390081086E+25
fil : = 488.16793709359
fipunto1 : = 7.9564737301516E+17
fi_gradi : = 27969.962489071
t1 : = 1.0809084571487E-14
tpunto1 : = 1.0005720064304
tduepunti0 : = -1.4745354723544E+15
v=v_elettrone : = 5165487.8415241
x0= : -1.3568668573928E-12
y0= : -3.7193022452909E-12
```

```
*****
i=31053
k(31053)=0.99990693681338
kQ(31053)=0.99981388228751
r1= : 3.9600376608398E-12
rpunto1 : = 4089911.3298106
rduepunti0 : = -1.3640387385344E+25
fil : = 488.16803040607
fipunto1 : = 7.9545452872344E+17
fi_gradi : = 27969.967835482
t1 : = 1.0809084688833E-14
tpunto1 : = 1.0005718336084
tduepunti0 : = -1.4736012774801E+15
v=v_elettrone : = 5163986.8169777
x0= : -1.3566841868008E-12
y0= : -3.7198798499234E-12
*****
i=31054
k(31054)=0.99990700958793
kQ(31054)=0.99981402782308
r1= : 3.9605173202964E-12
rpunto1 : = 4088311.9549011
rduepunti0 : = -1.3637386843832E+25
fil : = 488.16812369594
fipunto1 : = 7.9526182990606E+17
fi_gradi : = 27969.973180598
t1 : = 1.0809084806179E-14
tpunto1 : = 1.0005716608958
tduepunti0 : = -1.4726677591585E+15
v=v_elettrone : = 5162486.3076589
x0= : -1.3565014401326E-12
y0= : -3.7204572458486E-12
*****
i=31055
k(31055)=0.99990708231803
kQ(31055)=0.99981417326976
r1= : 3.9609967921804E-12
rpunto1 : = 4086712.9316388
rduepunti0 : = -1.3634388454722E+25
fil : = 488.16821696321
fipunto1 : = 7.9506927643033E+17
fi_gradi : = 27969.978524419
t1 : = 1.0809084923524E-14
tpunto1 : = 1.0005714882927
tduepunti0 : = -1.4717349166434E+15
v=v_elettrone : = 5160986.3124909
x0= : -1.356318617426E-12
y0= : -3.7210344331101E-12
*****
i=31056
k(31056)=0.9999071550037
kQ(31056)=0.99981431862759
r1= : 3.961476076533E-12
rpunto1 : = 4085114.2597714
rduepunti0 : = -1.3631392216186E+25
fil : = 488.1683102079
fipunto1 : = 7.948768681637E+17
fi_gradi : = 27969.983866946
t1 : = 1.080908504087E-14
tpunto1 : = 1.0005713157989
tduepunti0 : = -1.4708027491894E+15
v=v_elettrone : = 5159486.8315516
x0= : -1.3561357187189E-12
y0= : -3.7216114117514E-12
```



```
*****
i=31057
k(31057)=0.99990722764496
kQ(31057)=0.99981446389663
r1= : 3.9619551733955E-12
rpunto1: = 4083515.9390469
rduepunti0 : = -1.36283981264E+25
fil : = 488.16840343002
fipunto1 : = 7.9468460497379E+17
fi_gradi : = 27969.98920818
t1 : = 1.0809085158216E-14
tpunto1 : = 1.0005711434143
tduepunti0 : = -1.4698712560521E+15
v=v_elettrone : = 5157987.8649259
x0= : -1.3559527440492E-12
y0= : -3.7221881818158E-12
*****
i=31058
k(31058)=0.99990730024186
kQ(31058)=0.99981460907696
r1= : 3.962434082809E-12
rpunto1: = 4081917.9692136
rduepunti0 : = -1.362540618354E+25
fil : = 488.16849662959
fipunto1 : = 7.944924867284E+17
fi_gradi : = 27969.994548122
t1 : = 1.0809085275561E-14
tpunto1 : = 1.0005709711389
tduepunti0 : = -1.4689404364882E+15
v=v_elettrone : = 5156489.4103396
x0= : -1.3557696934545E-12
y0= : -3.7227647433468E-12
*****
i=31059
k(31059)=0.99990737279441
kQ(31059)=0.99981475416862
r1= : 3.9629128048148E-12
rpunto1: = 4080320.3500198
rduepunti0 : = -1.3622416385787E+25
fil : = 488.16858980663
fipunto1 : = 7.9430051329549E+17
fi_gradi : = 27969.999886773
t1 : = 1.0809085392907E-14
tpunto1 : = 1.0005707989725
tduepunti0 : = -1.4680102897554E+15
v=v_elettrone : = 5154991.4702302
x0= : -1.3555865669729E-12
y0= : -3.7233410963877E-12
*****
i=31060
k(31060)=0.99990744530266
kQ(31060)=0.99981489917168
r1= : 3.9633913394538E-12
rpunto1: = 4078723.0812143
rduepunti0 : = -1.3619428731322E+25
fil : = 488.16868296116
fipunto1 : = 7.941086845432E+17
fi_gradi : = 27970.005224134
t1 : = 1.0809085510253E-14
tpunto1 : = 1.0005706269152
tduepunti0 : = -1.4670808151123E+15
v=v_elettrone : = 5153494.0435053
x0= : -1.355403364642E-12
y0= : -3.7239172409819E-12
```

```
*****
i=31061
k(31061)=0.99990751776662
kQ(31061)=0.99981504408621
r1= : 3.9638696867672E-12
rpunto1 : = 4077126.1625458
rduepunti0 : = -1.3616443218328E+25
fil : = 488.16877609318
fipunto1 : = 7.939170003398E+17
fi_gradi : = 27970.010560206
t1 : = 1.0809085627598E-14
tpunto1 : = 1.0005704549668
tduepunti0 : = -1.4661520118185E+15
v=v_elettrone : = 5151997.1290603
x0= : -1.3552200864993E-12
y0= : -3.7244931771727E-12
*****
i=31062
k(31062)=0.99990759018634
kQ(31062)=0.99981518891225
r1= : 3.9643478467961E-12
rpunto1 : = 4075529.5937635
rduepunti0 : = -1.3613459844992E+25
fil : = 488.16886920273
fipunto1 : = 7.9372546055377E+17
fi_gradi : = 27970.015894991
t1 : = 1.0809085744944E-14
tpunto1 : = 1.0005702831273
tduepunti0 : = -1.4652238791347E+15
v=v_elettrone : = 5150500.7270043
x0= : -1.3550367325829E-12
y0= : -3.7250689050034E-12
*****
i=31063
k(31063)=0.99990766256183
kQ(31063)=0.99981533364987
r1= : 3.9648258195815E-12
rpunto1 : = 4073933.3746165
rduepunti0 : = -1.3610478609501E+25
fil : = 488.16896228982
fipunto1 : = 7.9353406505374E+17
fi_gradi : = 27970.021228488
t1 : = 1.0809085862289E-14
tpunto1 : = 1.0005701113965
tduepunti0 : = -1.4642964163226E+15
v=v_elettrone : = 5149004.8385683
x0= : -1.3548533029302E-12
y0= : -3.7256444245172E-12
*****
i=31064
k(31064)=0.99990773489314
kQ(31064)=0.99981547829913
r1= : 3.9653036051644E-12
rpunto1 : = 4072337.5048545
rduepunti0 : = -1.3607499510046E+25
fil : = 488.16905535446
fipunto1 : = 7.933428137085E+17
fi_gradi : = 27970.026560699
t1 : = 1.0809085979635E-14
tpunto1 : = 1.0005699397744
tduepunti0 : = -1.4633696226446E+15
v=v_elettrone : = 5147509.4603214
x0= : -1.3546697975789E-12
y0= : -3.7262197357574E-12
```

```
*****
i=31065
k(31065)=0.99990780718028
kQ(31065)=0.99981562286009
r1= : 3.9657812035858E-12
rpunto1: = 4070741.984227
rduepunti0 : = -1.360452254482E+25
fil : = 488.16914839666
fipunto1 : = 7.9315170638702E+17
fi_gradi : = 27970.031891624
t1 : = 1.0809086096981E-14
tpunto1 : = 1.000569768261
tduepunti0 : = -1.4624434973646E+15
v=v_elettrone : = 5146014.5958587
x0= : -1.3544862165667E-12
y0= : -3.726794838767E-12
*****
i=31066
k(31066)=0.9999078794233
kQ(31066)=0.9998157673328
r1= : 3.9662586148866E-12
rpunto1: = 4069146.8124841
rduepunti0 : = -1.3601547712017E+25
fil : = 488.16924141646
fipunto1 : = 7.929607429584E+17
fi_gradi : = 27970.037221266
t1 : = 1.0809086214326E-14
tpunto1 : = 1.000569596856
tduepunti0 : = -1.4615180397469E+15
v=v_elettrone : = 5144520.2417481
x0= : -1.3543025599311E-12
y0= : -3.7273697335894E-12
*****
i=31067
k(31067)=0.99990795162222
kQ(31067)=0.99981591171734
r1= : 3.9667358391077E-12
rpunto1: = 4067551.9893758
rduepunti0 : = -1.3598575009833E+25
fil : = 488.16933441386
fipunto1 : = 7.9276992329196E+17
fi_gradi : = 27970.042549625
t1 : = 1.0809086331672E-14
tpunto1 : = 1.0005694255596
tduepunti0 : = -1.4605932490573E+15
v=v_elettrone : = 5143026.4004248
x0= : -1.3541188277098E-12
y0= : -3.7279444202675E-12
*****
i=31068
k(31068)=0.99990802377706
kQ(31068)=0.99981605601375
r1= : 3.9672128762901E-12
rpunto1: = 4065957.5146524
rduepunti0 : = -1.3595604436468E+25
fil : = 488.16942738888
fipunto1 : = 7.9257924725715E+17
fi_gradi : = 27970.047876701
t1 : = 1.0809086449017E-14
tpunto1 : = 1.0005692543715
tduepunti0 : = -1.4596691245623E+15
v=v_elettrone : = 5141533.0696032
x0= : -1.3539350199401E-12
y0= : -3.7285188988446E-12
```

```
*****
i=31069
k(31069)=0.99990809588787
kQ(31069)=0.9998162002221
r1= : 3.9676897264745E-12
rpunto1: = 4064363.3880645
rduepunti0 : = -1.3592635990123E+25
fil : = 488.16952034154
fipunto1 : = 7.9238871472359E+17
fi_gradi : = 27970.053202496
t1 : = 1.0809086566362E-14
tpunto1 : = 1.0005690832917
tduepunti0 : = -1.4587456655294E+15
v=v_elettrone : = 5140040.2493797
x0= : -1.3537511366596E-12
y0= : -3.7290931693637E-12
*****
i=31070
k(31070)=0.99990816795466
kQ(31070)=0.99981634434245
r1= : 3.9681663897019E-12
rpunto1: = 4062769.6093629
rduepunti0 : = -1.3589669669E+25
fil : = 488.16961327185
fipunto1 : = 7.9219832556106E+17
fi_gradi : = 27970.058527011
t1 : = 1.0809086683708E-14
tpunto1 : = 1.0005689123201
tduepunti0 : = -1.4578228712271E+15
v=v_elettrone : = 5138547.9410014
x0= : -1.3535671779059E-12
y0= : -3.7296672318677E-12
*****
i=31071
k(31071)=0.99990823997748
kQ(31071)=0.99981648837486
r1= : 3.968642866013E-12
rpunto1: = 4061176.1782986
rduepunti0 : = -1.3586705471305E+25
fil : = 488.16970617984
fipunto1 : = 7.9200807963952E+17
fi_gradi : = 27970.063850246
t1 : = 1.0809086801053E-14
tpunto1 : = 1.0005687414567
tduepunti0 : = -1.4569007409249E+15
v=v_elettrone : = 5137056.142216
x0= : -1.3533831437163E-12
y0= : -3.7302410863997E-12
*****
i=31072
k(31072)=0.99990831195634
kQ(31072)=0.99981663231938
r1= : 3.9691191554486E-12
rpunto1: = 4059583.0946226
rduepunti0 : = -1.3583743395246E+25
fil : = 488.16979906551
fipunto1 : = 7.9181797682908E+17
fi_gradi : = 27970.069172203
t1 : = 1.0809086918399E-14
tpunto1 : = 1.0005685707014
tduepunti0 : = -1.4559792738934E+15
v=v_elettrone : = 5135564.8542653
x0= : -1.3531990341282E-12
y0= : -3.7308147330028E-12
```

```

*****
i=31073
k(31073)=0.99990838389129
kQ(31073)=0.99981677617608
r1= : 3.9695952580494E-12
rpunto1 : = 4057990.3580865
rduepunti0 : = -1.3580783439031E+25
fil : = 488.16989192889
fipunto1 : = 7.9162801700002E+17
fi_gradi : = 27970.074492883
t1 : = 1.0809087035744E-14
tpunto1 : = 1.000568400054
tduepunti0 : = -1.455058469404E+15
v=v_elettrone : = 5134074.0760467
x0= : -1.3530148491792E-12
y0= : -3.7313881717197E-12
*****
i=31074
k(31074)=0.99990845578234
kQ(31074)=0.99981691994502
r1= : 3.9700711738562E-12
rpunto1 : = 4056397.9684417
rduepunti0 : = -1.3577825600873E+25
fil : = 488.16998476999
fipunto1 : = 7.9143820002279E+17
fi_gradi : = 27970.079812286
t1 : = 1.0809087153089E-14
tpunto1 : = 1.0005682295146
tduepunti0 : = -1.454138326729E+15
v=v_elettrone : = 5132583.8076612
x0= : -1.3528305889065E-12
y0= : -3.7319614025935E-12
*****
i=31075
k(31075)=0.99990852762953
kQ(31075)=0.99981706362625
r1= : 3.9705469029095E-12
rpunto1 : = 4054805.9254402
rduepunti0 : = -1.3574869878985E+25
fil : = 488.17007758882
fipunto1 : = 7.9124852576799E+17
fi_gradi : = 27970.085130414
t1 : = 1.0809087270435E-14
tpunto1 : = 1.000568059083
tduepunti0 : = -1.4532188451419E+15
v=v_elettrone : = 5131094.0491852
x0= : -1.3526462533475E-12
y0= : -3.7325344256669E-12
*****
i=31076
k(31076)=0.99990859943288
kQ(31076)=0.99981720721983
r1= : 3.9710224452502E-12
rpunto1 : = 4053214.2288338
rduepunti0 : = -1.3571916271584E+25
fil : = 488.17017038542
fipunto1 : = 7.910589941064E+17
fi_gradi : = 27970.090447267
t1 : = 1.080908738778E-14
tpunto1 : = 1.0005678887591
tduepunti0 : = -1.4523000239171E+15
v=v_elettrone : = 5129604.7995115
x0= : -1.3524618425395E-12
y0= : -3.7331072409829E-12

```

```

*****
i=31077
k(31077)=0.99990867119244
kQ(31077)=0.99981735072582
r1= : 3.9714978009187E-12
rpunto1: = 4051622.8783749
rduepunti0 : = -1.3568964776887E+25
fil : = 488.17026315978
fipunto1 : = 7.9086960490893E+17
fi_gradi : = 27970.095762846
t1 : = 1.0809087505125E-14
tpunto1 : = 1.000567718543
tduepunti0 : = -1.4513818623299E+15
v=v_elettrone : = 5128116.0587324
x0= : -1.3522773565198E-12
y0= : -3.7336798485843E-12
*****
i=31078
k(31078)=0.99990874290822
kQ(31078)=0.99981749414429
r1= : 3.9719729699558E-12
rpunto1: = 4050031.8738159
rduepunti0 : = -1.3566015393114E+25
fil : = 488.17035591194
fipunto1 : = 7.906803580467E+17
fi_gradi : = 27970.101077153
t1 : = 1.0809087622471E-14
tpunto1 : = 1.0005675484344
tduepunti0 : = -1.4504643596566E+15
v=v_elettrone : = 5126627.8281051
x0= : -1.3520927953258E-12
y0= : -3.7342522485138E-12
*****
i=31079
k(31079)=0.99990881458025
kQ(31079)=0.99981763747529
r1= : 3.9724479524019E-12
rpunto1: = 4048441.2149094
rduepunti0 : = -1.3563068118489E+25
fil : = 488.1704486419
fipunto1 : = 7.9049125339095E+17
fi_gradi : = 27970.106390189
t1 : = 1.0809087739816E-14
tpunto1 : = 1.0005673784333
tduepunti0 : = -1.4495475151745E+15
v=v_elettrone : = 5125140.1053578
x0= : -1.3519081589945E-12
y0= : -3.7348244408142E-12
*****
i=31080
k(31080)=0.99990888620858
kQ(31080)=0.99981778071888
r1= : 3.9729227482976E-12
rpunto1: = 4046850.9014083
rduepunti0 : = -1.3560122951234E+25
fil : = 488.17054134968
fipunto1 : = 7.9030229081311E+17
fi_gradi : = 27970.111701953
t1 : = 1.0809087857161E-14
tpunto1 : = 1.0005672085398
tduepunti0 : = -1.4486313281617E+15
v=v_elettrone : = 5123652.890564
x0= : -1.3517234475633E-12
y0= : -3.7353964255283E-12

```

```
*****
i=31081
k(31081)=0.99990895779322
kQ(31081)=0.99981792387512
r1= : 3.9733973576834E-12
rpunto1 : = 4045260.9330656
rduepunti0 : = -1.3557179889577E+25
fil : = 488.1706340353
fipunto1 : = 7.9011347018477E+17
fi_gradi : = 27970.117012448
t1 : = 1.0809087974506E-14
tpunto1 : = 1.0005670387535
tduepunti0 : = -1.4477157978975E+15
v=v_elettrone : = 5122166.1849884
x0= : -1.3515386610693E-12
y0= : -3.7359682026987E-12
*****
i=31082
k(31082)=0.9999090293342
kQ(31082)=0.99981806694406
r1= : 3.9738717805998E-12
rpunto1 : = 4043671.3096345
rduepunti0 : = -1.3554238931746E+25
fil : = 488.17072669877
fipunto1 : = 7.8992479137765E+17
fi_gradi : = 27970.122321674
t1 : = 1.0809088091852E-14
tpunto1 : = 1.0005668690746
tduepunti0 : = -1.4468009236621E+15
v=v_elettrone : = 5120679.9863553
x0= : -1.3513537995496E-12
y0= : -3.7365397723681E-12
*****
i=31083
k(31083)=0.99990910083156
kQ(31083)=0.99981820992577
r1= : 3.9743460170873E-12
rpunto1 : = 4042082.0308687
rduepunti0 : = -1.3551300075972E+25
fil : = 488.17081934012
fipunto1 : = 7.8973625426367E+17
fi_gradi : = 27970.127629632
t1 : = 1.0809088209197E-14
tpunto1 : = 1.0005666995029
tduepunti0 : = -1.4458867047366E+15
v=v_elettrone : = 5119194.2959192
x0= : -1.3511688630416E-12
y0= : -3.7371111345791E-12
*****
i=31084
k(31084)=0.99990917228532
kQ(31084)=0.99981835282031
r1= : 3.9748200671862E-12
rpunto1 : = 4040493.0965217
rduepunti0 : = -1.3548363320487E+25
fil : = 488.17091195936
fipunto1 : = 7.895478587149E+17
fi_gradi : = 27970.132936324
t1 : = 1.0809088326542E-14
tpunto1 : = 1.0005665300384
tduepunti0 : = -1.4449731404029E+15
v=v_elettrone : = 5117709.1137724
x0= : -1.3509838515821E-12
y0= : -3.7376822893743E-12
```

```
*****
i=31085
k(31085)=0.99990924369551
kQ(31085)=0.99981849562773
r1= : 3.975293930937E-12
rpunto1: = 4038904.5063474
rduepunti0 : = -1.3545428663527E+25
fil : = 488.1710045565
fipunto1 : = 7.8935960460355E+17
fi_gradi : = 27970.138241749
t1 : = 1.0809088443887E-14
tpunto1 : = 1.0005663606809
tduepunti0 : = -1.4440602299443E+15
v=v_elettrone : = 5116224.4376259
x0= : -1.3507987652082E-12
y0= : -3.7382532367963E-12
*****
i=31086
k(31086)=0.99990931506217
kQ(31086)=0.99981863834809
r1= : 3.97576760838E-12
rpunto1: = 4037316.2601
rduepunti0 : = -1.3542496103328E+25
fil : = 488.17109713156
fipunto1 : = 7.8917149180203E+17
fi_gradi : = 27970.143545909
t1 : = 1.0809088561232E-14
tpunto1 : = 1.0005661914303
tduepunti0 : = -1.4431479726445E+15
v=v_elettrone : = 5114740.2687575
x0= : -1.3506136039572E-12
y0= : -3.7388239768877E-12
*****
i=31087
k(31087)=0.99990938638531
kQ(31087)=0.99981878098145
r1= : 3.9762410995555E-12
rpunto1: = 4035728.3575336
rduepunti0 : = -1.353956563813E+25
fil : = 488.17118968456
fipunto1 : = 7.8898352018287E+17
fi_gradi : = 27970.148848806
t1 : = 1.0809088678577E-14
tpunto1 : = 1.0005660222868
tduepunti0 : = -1.4422363677887E+15
v=v_elettrone : = 5113256.6072293
x0= : -1.350428367866E-12
y0= : -3.7393945096909E-12
*****
i=31088
k(31088)=0.99990945766498
kQ(31088)=0.99981892352788
r1= : 3.976714404504E-12
rpunto1: = 4034140.798403
rduepunti0 : = -1.3536637266173E+25
fil : = 488.17128221552
fipunto1 : = 7.887956896188E+17
fi_gradi : = 27970.154150439
t1 : = 1.0809088795922E-14
tpunto1 : = 1.00056585325
tduepunti0 : = -1.4413254146626E+15
v=v_elettrone : = 5111773.4519564
x0= : -1.3502430569715E-12
y0= : -3.7399648352485E-12
```



```
*****
i=31089
k(31089)=0.9999095289012
kQ(31089)=0.99981906598742
r1= : 3.9771875232655E-12
rpunto1: = 4032553.5824626
rduepunti0 : = -1.3533710985701E+25
fil : = 488.17137472445
fipunto1 : = 7.8860799998267E+17
fi_gradi : = 27970.15945081
t1 : = 1.0809088913267E-14
tpunto1 : = 1.00056568432
tduepunti0 : = -1.4404151125531E+15
v=v_elettrone : = 5110290.8030136
x0= : -1.3500576713108E-12
y0= : -3.7405349536028E-12
*****
i=31090
k(31090)=0.999909600094
kQ(31090)=0.99981920836014
r1= : 3.9776604558805E-12
rpunto1: = 4030966.7094676
rduepunti0 : = -1.353078679496E+25
fil : = 488.17146721136
fipunto1 : = 7.8842045114751E+17
fi_gradi : = 27970.16474992
t1 : = 1.0809089030612E-14
tpunto1 : = 1.0005655154967
tduepunti0 : = -1.4395054607479E+15
v=v_elettrone : = 5108808.6604783
x0= : -1.3498722109208E-12
y0= : -3.7411048647963E-12
*****
i=31091
k(31091)=0.9999096712434
kQ(31091)=0.99981935064609
r1= : 3.978133202389E-12
rpunto1: = 4029380.1791729
rduepunti0 : = -1.3527864692195E+25
fil : = 488.17155967628
fipunto1 : = 7.8823304298651E+17
fi_gradi : = 27970.17004777
t1 : = 1.0809089147957E-14
tpunto1 : = 1.00056534678
tduepunti0 : = -1.4385964585359E+15
v=v_elettrone : = 5107327.0244389
x0= : -1.3496866758383E-12
y0= : -3.7416745688715E-12
*****
i=31092
k(31092)=0.99990974234944
kQ(31092)=0.99981949284533
r1= : 3.9786057628314E-12
rpunto1: = 4027793.9913339
rduepunti0 : = -1.3524944675658E+25
fil : = 488.17165211922
fipunto1 : = 7.8804577537303E+17
fi_gradi : = 27970.17534436
t1 : = 1.0809089265302E-14
tpunto1 : = 1.0005651781698
tduepunti0 : = -1.4376881052067E+15
v=v_elettrone : = 5105845.8926113
x0= : -1.3495010661003E-12
y0= : -3.7422440658706E-12
```

```
*****
i=31093
k(31093)=0.99990981341215
kQ(31093)=0.99981963495793
r1= : 3.9790781372477E-12
rpunto1:= 4026208.1457063
rduepunti0 : = -1.3522026743599E+25
fil : = 488.1717445402
fipunto1 : = 7.8785864818056E+17
fi_gradi : = 27970.180639692
t1 : = 1.0809089382647E-14
tpunto1 : = 1.000565009666
tduepunti0 : = -1.4367804000508E+15
v=v_elettrone : = 5104365.2674512
x0= : -1.3493153817437E-12
y0= : -3.742813355836E-12
*****
i=31094
k(31094)=0.99990988443156
kQ(31094)=0.99981977698393
r1= : 3.9795503256781E-12
rpunto1:= 4024622.6420456
rduepunti0 : = -1.3519110894271E+25
fil : = 488.17183693923
fipunto1 : = 7.8767166128277E+17
fi_gradi : = 27970.185933767
t1 : = 1.0809089499992E-14
tpunto1 : = 1.0005648412687
tduepunti0 : = -1.43587334236E+15
v=v_elettrone : = 5102885.1466552
x0= : -1.3491296228053E-12
y0= : -3.7433824388101E-12
*****
i=31095
k(31095)=0.99990995540769
kQ(31095)=0.9998199189234
r1= : 3.9800223281627E-12
rpunto1:= 4023037.4801078
rduepunti0 : = -1.3516197125932E+25
fil : = 488.17192931634
fipunto1 : = 7.8748481455349E+17
fi_gradi : = 27970.191226585
t1 : = 1.0809089617337E-14
tpunto1 : = 1.0005646729777
tduepunti0 : = -1.4349669314266E+15
v=v_elettrone : = 5101405.531508
x0= : -1.348943789322E-12
y0= : -3.7439513148349E-12
*****
i=31096
k(31096)=0.99991002634057
kQ(31096)=0.9998200607764
r1= : 3.9804941447416E-12
rpunto1:= 4021452.6596492
rduepunti0 : = -1.3513285436838E+25
fil : = 488.17202167153
fipunto1 : = 7.8729810786669E+17
fi_gradi : = 27970.196518148
t1 : = 1.0809089734682E-14
tpunto1 : = 1.0005645047928
tduepunti0 : = -1.4340611665441E+15
v=v_elettrone : = 5099926.4208792
x0= : -1.3487578813304E-12
y0= : -3.7445199839529E-12
```

```

*****
i=31097
k(31097)=0.99991009723024
kQ(31097)=0.99982020254298
r1= : 3.9809657754548E-12
rpunto1 : = 4019868.180426
rduepunti0 : = -1.3510375825248E+25
fil : = 488.17211400482
fipunto1 : = 7.8711154109653E+17
fi_gradi : = 27970.201808456
t1 : = 1.0809089852027E-14
tpunto1 : = 1.0005643367142
tduepunti0 : = -1.4331560470069E+15
v=v_elettrone : = 5098447.8148847
x0= : -1.3485718988674E-12
y0= : -3.7450884462062E-12
*****
i=31098
k(31098)=0.99991016807671
kQ(31098)=0.9998203442232
r1= : 3.9814372203424E-12
rpunto1 : = 4018284.0421948
rduepunti0 : = -1.3507468289426E+25
fil : = 488.17220631623
fipunto1 : = 7.8692511411728E+17
fi_gradi : = 27970.20709751
t1 : = 1.0809089969372E-14
tpunto1 : = 1.0005641687416
tduepunti0 : = -1.4322515721103E+15
v=v_elettrone : = 5096969.7123981
x0= : -1.3483858419698E-12
y0= : -3.745656701637E-12
*****
i=31099
k(31099)=0.99991023888003
kQ(31099)=0.99982048581712
r1= : 3.9819084794443E-12
rpunto1 : = 4016700.2447123
rduepunti0 : = -1.3504562827635E+25
fil : = 488.17229860578
fipunto1 : = 7.8673882680342E+17
fi_gradi : = 27970.212385312
t1 : = 1.0809090086717E-14
tpunto1 : = 1.000564000875
tduepunti0 : = -1.4313477411505E+15
v=v_elettrone : = 5095492.114708
x0= : -1.3481997106742E-12
y0= : -3.7462247502873E-12
*****
i=31100
k(31100)=0.99991030964022
kQ(31100)=0.99982062732479
r1= : 3.9823795528005E-12
rpunto1 : = 4015116.7877356
rduepunti0 : = -1.350165943814E+25
fil : = 488.17239087348
fipunto1 : = 7.8655267902955E+17
fi_gradi : = 27970.217671861
t1 : = 1.0809090204062E-14
tpunto1 : = 1.0005638331143
tduepunti0 : = -1.4304445534248E+15
v=v_elettrone : = 5094015.0206863
x0= : -1.3480135050174E-12
y0= : -3.7467925921995E-12

```

```

*****
i=31101
k(31101)=0.9999103803573
kQ(31101)=0.99982076874628
r1= : 3.9828504404509E-12
rpunto1 : = 4013533.6710218
rduepunti0 : = -1.3498758119209E+25
fil : = 488.17248311936
fipunto1 : = 7.8636667067045E+17
fi_gradi : = 27970.222957161
t1 : = 1.0809090321406E-14
tpunto1 : = 1.0005636654595
tduepunti0 : = -1.4295420082312E+15
v=v_elettrone : = 5092538.4304255
x0= : -1.347827225036E-12
y0= : -3.7473602274155E-12
*****
i=31102
k(31102)=0.99991045103131
kQ(31102)=0.99982091008164
r1= : 3.9833211424355E-12
rpunto1 : = 4011950.8943282
rduepunti0 : = -1.3495858869114E+25
fil : = 488.17257534341
fipunto1 : = 7.8618080160103E+17
fi_gradi : = 27970.22824121
t1 : = 1.0809090438751E-14
tpunto1 : = 1.0005634979104
tduepunti0 : = -1.4286401048688E+15
v=v_elettrone : = 5091062.3440121
x0= : -1.3476408707665E-12
y0= : -3.7479276559773E-12
*****
i=31103
k(31103)=0.99991052166228
kQ(31103)=0.99982105133093
r1= : 3.9837916587941E-12
rpunto1 : = 4010368.4574125
rduepunti0 : = -1.3492961686125E+25
fil : = 488.17266754567
fipunto1 : = 7.8599507169639E+17
fi_gradi : = 27970.23352401
t1 : = 1.0809090556096E-14
tpunto1 : = 1.0005633304671
tduepunti0 : = -1.4277388426375E+15
v=v_elettrone : = 5089586.7603323
x0= : -1.3474544422457E-12
y0= : -3.7484948779271E-12
*****
i=31104
k(31104)=0.99991059225023
kQ(31104)=0.99982119249421
r1= : 3.9842619895666E-12
rpunto1 : = 4008786.3600324
rduepunti0 : = -1.3490066568516E+25
fil : = 488.17275972614
fipunto1 : = 7.8580948083176E+17
fi_gradi : = 27970.238805562
t1 : = 1.0809090673441E-14
tpunto1 : = 1.0005631631294
tduepunti0 : = -1.4268382208383E+15
v=v_elettrone : = 5088111.6794782
x0= : -1.34726793951E-12
y0= : -3.7490618933069E-12

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*****
i=31105
k(31105)=0.9999106627952
kQ(31105)=0.99982133357153
r1= : 3.9847321347927E-12
rpunto1 : = 4007204.6019459
rduepunti0 : = -1.3487173514565E+25
fil : = 488.17285188485
fipunto1 : = 7.8562402888255E+17
fi_gradi : = 27970.244085867
t1 : = 1.0809090790786E-14
tpunto1 : = 1.0005629958972
tduepunti0 : = -1.425938238773E+15
v=v_elettrone : = 5086637.1015352
x0= : -1.3470813625961E-12
y0= : -3.7496287021585E-12
*****
i=31106
k(31106)=0.9999107332972
kQ(31106)=0.99982147456295
r1= : 3.9852020945123E-12
rpunto1 : = 4005623.1829111
rduepunti0 : = -1.3484282522549E+25
fil : = 488.17294402181
fipunto1 : = 7.8543871572429E+17
fi_gradi : = 27970.249364926
t1 : = 1.080909090813E-14
tpunto1 : = 1.0005628287705
tduepunti0 : = -1.4250388957443E+15
v=v_elettrone : = 5085163.0265526
x0= : -1.3468947115405E-12
y0= : -3.750195304524E-12
*****
i=31107
k(31107)=0.99991080375628
kQ(31107)=0.99982161546853
r1= : 3.9856718687652E-12
rpunto1 : = 4004042.1026865
rduepunti0 : = -1.3481393590747E+25
fil : = 488.17303613704
fipunto1 : = 7.8525354123271E+17
fi_gradi : = 27970.25464274
t1 : = 1.0809091025475E-14
tpunto1 : = 1.0005626617492
tduepunti0 : = -1.4241401910558E+15
v=v_elettrone : = 5083689.4534668
x0= : -1.3467079863795E-12
y0= : -3.7507617004453E-12
*****
i=31108
k(31108)=0.99991087417246
kQ(31108)=0.99982175628833
r1= : 3.9861414575911E-12
rpunto1 : = 4002461.3610306
rduepunti0 : = -1.3478506717444E+25
fil : = 488.17312823055
fipunto1 : = 7.8506850528366E+17
fi_gradi : = 27970.259919309
t1 : = 1.080909114282E-14
tpunto1 : = 1.0005624948332
tduepunti0 : = -1.4232421240123E+15
v=v_elettrone : = 5082216.3823409
x0= : -1.3465211871499E-12
y0= : -3.7513278899641E-12

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```

*****
i=31109
k(31109)=0.99991094454576
kQ(31109)=0.9998218970224
r1= : 3.9866108610296E-12
rpunto1 : = 4000880.9577022
rduepunti0 : = -1.3475621900922E+25
fil : = 488.17322030236
fipunto1 : = 7.8488360775316E+17
fi_gradi : = 27970.265194635
t1 : = 1.0809091260164E-14
tpunto1 : = 1.0005623280225
tduepunti0 : = -1.4223446939191E+15
v=v_elettrone : = 5080743.8132526
x0= : -1.3463343138879E-12
y0= : -3.7518938731225E-12
*****
i=31110
k(31110)=0.99991101487623
kQ(31110)=0.9998220376708
r1= : 3.9870800791205E-12
rpunto1 : = 3999300.8924604
rduepunti0 : = -1.3472739139468E+25
fil : = 488.17331235248
fipunto1 : = 7.8469884851739E+17
fi_gradi : = 27970.270468719
t1 : = 1.0809091377509E-14
tpunto1 : = 1.0005621613169
tduepunti0 : = -1.4214479000828E+15
v=v_elettrone : = 5079271.746299
x0= : -1.3461473666301E-12
y0= : -3.7524596499621E-12
*****
i=31111
k(31111)=0.99991108516387
kQ(31111)=0.99982217823359
r1= : 3.9875491119034E-12
rpunto1 : = 3997721.1650642
rduepunti0 : = -1.346985843137E+25
fil : = 488.17340438094
fipunto1 : = 7.8451422745267E+17
fi_gradi : = 27970.275741561
t1 : = 1.0809091494854E-14
tpunto1 : = 1.0005619947165
tduepunti0 : = -1.4205517418105E+15
v=v_elettrone : = 5077800.1803517
x0= : -1.3459603454127E-12
y0= : -3.7530252205249E-12
*****
i=31112
k(31112)=0.99991115540873
kQ(31112)=0.99982231871082
r1= : 3.9880179594179E-12
rpunto1 : = 3996141.775273
rduepunti0 : = -1.3466979774918E+25
fil : = 488.17349638774
fipunto1 : = 7.8432974443548E+17
fi_gradi : = 27970.281013162
t1 : = 1.0809091612198E-14
tpunto1 : = 1.0005618282211
tduepunti0 : = -1.4196562184107E+15
v=v_elettrone : = 5076329.1143154
x0= : -1.3457732502721E-12
y0= : -3.7535905848525E-12

```

```
*****
i=31113
k(31113)=0.99991122561083
kQ(31113)=0.99982245910256
r1= : 3.9884866217037E-12
rpunto1 : = 3994562.7228466
rduepunti0 : = -1.3464103168405E+25
fil : = 488.17358837291
fipunto1 : = 7.8414539934247E+17
fi_gradi : = 27970.286283524
t1 : = 1.0809091729543E-14
tpunto1 : = 1.0005616618306
tduepunti0 : = -1.4187613291925E+15
v=v_elettrone : = 5074858.5506571
x0= : -1.345586081245E-12
y0= : -3.7541557429867E-12
*****
i=31114
k(31114)=0.99991129577021
kQ(31114)=0.99982259940885
r1= : 3.9889550988003E-12
rpunto1 : = 3992984.0075445
rduepunti0 : = -1.3461228610126E+25
fil : = 488.17368033645
fipunto1 : = 7.8396119205043E+17
fi_gradi : = 27970.291552647
t1 : = 1.0809091846887E-14
tpunto1 : = 1.000561495545
tduepunti0 : = -1.417867073466E+15
v=v_elettrone : = 5073388.4882704
x0= : -1.3453988383674E-12
y0= : -3.7547206949691E-12
*****
i=31115
k(31115)=0.99991136588688
kQ(31115)=0.99982273962976
r1= : 3.9894233907472E-12
rpunto1 : = 3991405.6291269
rduepunti0 : = -1.3458356098375E+25
fil : = 488.1737722784
fipunto1 : = 7.8377712243629E+17
fi_gradi : = 27970.296820533
t1 : = 1.0809091964232E-14
tpunto1 : = 1.0005613293642
tduepunti0 : = -1.416973450542E+15
v=v_elettrone : = 5071918.924829
x0= : -1.3452115216755E-12
y0= : -3.7552854408415E-12
*****
i=31116
k(31116)=0.99991143596088
kQ(31116)=0.99982287976534
r1= : 3.9898914975839E-12
rpunto1 : = 3989827.5873539
rduepunti0 : = -1.3455485631453E+25
fil : = 488.17386419876
fipunto1 : = 7.8359319037717E+17
fi_gradi : = 27970.302087181
t1 : = 1.0809092081576E-14
tpunto1 : = 1.0005611632881
tduepunti0 : = -1.4160804597327E+15
v=v_elettrone : = 5070449.8628397
x0= : -1.3450241312059E-12
y0= : -3.7558499806455E-12
```

```
*****
i=31117
k(31117)=0.99991150599223
kQ(31117)=0.99982301981565
r1= : 3.99035941935E-12
rpunto1: = 3988249.8819859
rduepunti0 : = -1.3452617207658E+25
fil : = 488.17395609754
fipunto1 : = 7.834093957503E+17
fi_gradi : = 27970.307352594
t1 : = 1.0809092198921E-14
tpunto1 : = 1.0005609973167
tduepunti0 : = -1.4151881003507E+15
v=v_elettrone : = 5068981.2999579
x0= : -1.3448366669946E-12
y0= : -3.7564143144226E-12
*****
i=31118
k(31118)=0.99991157598097
kQ(31118)=0.99982315978075
r1= : 3.9908271560848E-12
rpunto1: = 3986672.5127835
rduepunti0 : = -1.3449750825294E+25
fil : = 488.17404797477
fipunto1 : = 7.832257384331E+17
fi_gradi : = 27970.312616771
t1 : = 1.0809092316265E-14
tpunto1 : = 1.0005608314499
tduepunti0 : = -1.4142963717098E+15
v=v_elettrone : = 5067513.2374936
x0= : -1.344649129078E-12
y0= : -3.7569784422146E-12
*****
i=31119
k(31119)=0.99991164592712
kQ(31119)=0.99982329966068
r1= : 3.9912947078279E-12
rpunto1: = 3985095.4795074
rduepunti0 : = -1.3446886482665E+25
fil : = 488.17413983046
fipunto1 : = 7.8304221830313E+17
fi_gradi : = 27970.317879715
t1 : = 1.080909243361E-14
tpunto1 : = 1.0005606656876
tduepunti0 : = -1.4134052731246E+15
v=v_elettrone : = 5066045.675505
x0= : -1.3444615174921E-12
y0= : -3.7575423640628E-12
*****
i=31120
k(31120)=0.99991171583071
kQ(31120)=0.99982343945552
r1= : 3.9917620746185E-12
rpunto1: = 3983518.7819187
rduepunti0 : = -1.3444024178076E+25
fil : = 488.17423166463
fipunto1 : = 7.8285883523808E+17
fi_gradi : = 27970.323141425
t1 : = 1.0809092550954E-14
tpunto1 : = 1.0005605000297
tduepunti0 : = -1.4125148039106E+15
v=v_elettrone : = 5064578.6117002
x0= : -1.3442738322731E-12
y0= : -3.758106080009E-12
```



```
*****
i=31121
k(31121)=0.99991178569177
kQ(31121)=0.99982357916531
r1= : 3.9922292564961E-12
rpunto1: = 3981942.4197785
rduepunti0 : = -1.3441163909837E+25
fil : = 488.17432347729
fipunto1 : = 7.8267558911584E+17
fi_gradi : = 27970.328401903
t1 : = 1.0809092668299E-14
tpunto1 : = 1.0005603344761
tduepunti0 : = -1.4116249633842E+15
v=v_elettrone : = 5063112.0473611
x0= : -1.3440860734573E-12
y0= : -3.7586695900945E-12
*****
i=31122
k(31122)=0.99991185551033
kQ(31122)=0.99982371879011
r1= : 3.9926962535E-12
rpunto1: = 3980366.3928482
rduepunti0 : = -1.3438305676257E+25
fil : = 488.17441526846
fipunto1 : = 7.8249247981441E+17
fi_gradi : = 27970.33366115
t1 : = 1.0809092785643E-14
tpunto1 : = 1.0005601690269
tduepunti0 : = -1.4107357508629E+15
v=v_elettrone : = 5061645.982557
x0= : -1.3438982410806E-12
y0= : -3.7592328943607E-12
*****
i=31123
k(31123)=0.99991192528642
kQ(31123)=0.99982385832999
r1= : 3.9931630656695E-12
rpunto1: = 3978790.7008894
rduepunti0 : = -1.3435449475649E+25
fil : = 488.17450703816
fipunto1 : = 7.8230950721196E+17
fi_gradi : = 27970.338919166
t1 : = 1.0809092902988E-14
tpunto1 : = 1.0005600036819
tduepunti0 : = -1.4098471656647E+15
v=v_elettrone : = 5060180.4161768
x0= : -1.3437103351793E-12
y0= : -3.7597959928493E-12
*****
i=31124
k(31124)=0.99991199502005
kQ(31124)=0.99982399778498
r1= : 3.993629693044E-12
rpunto1: = 3977215.3436638
rduepunti0 : = -1.3432595306327E+25
fil : = 488.17459878639
fipunto1 : = 7.8212667118681E+17
fi_gradi : = 27970.344175953
t1 : = 1.0809093020332E-14
tpunto1 : = 1.000559838441
tduepunti0 : = -1.4089592071088E+15
v=v_elettrone : = 5058715.3483154
x0= : -1.3435223557893E-12
y0= : -3.7603588856015E-12
```

```

*****
i=31125
k(31125)=0.99991206471127
kQ(31125)=0.99982413715516
r1= : 3.9940961356626E-12
rpunto1 : = 3975640.3209334
rduepunti0 : = -1.3429743166608E+25
fil : = 488.17469051319
fipunto1 : = 7.8194397161743E+17
fi_gradi : = 27970.349431511
t1 : = 1.0809093137676E-14
tpunto1 : = 1.0005596733041
tduepunti0 : = -1.4080718745152E+15
v=v_elettrone : = 5057250.7790403
x0= : -1.3433343029467E-12
y0= : -3.7609215726587E-12
*****
i=31126
k(31126)=0.9999121343601
kQ(31126)=0.99982427644057
r1= : 3.9945623935646E-12
rpunto1 : = 3974065.6324605
rduepunti0 : = -1.3426893054809E+25
fil : = 488.17478221856
fipunto1 : = 7.8176140838245E+17
fi_gradi : = 27970.354685841
t1 : = 1.0809093255021E-14
tpunto1 : = 1.0005595082713
tduepunti0 : = -1.4071851672049E+15
v=v_elettrone : = 5055786.7072465
x0= : -1.3431461766875E-12
y0= : -3.7614840540623E-12
*****
i=31127
k(31127)=0.99991220396657
kQ(31127)=0.99982441564127
r1= : 3.9950284667892E-12
rpunto1 : = 3972491.2780072
rduepunti0 : = -1.342404496925E+25
fil : = 488.17487390251
fipunto1 : = 7.8157898136063E+17
fi_gradi : = 27970.359938945
t1 : = 1.0809093372365E-14
tpunto1 : = 1.0005593433424
tduepunti0 : = -1.4062990844996E+15
v=v_elettrone : = 5054323.1342143
x0= : -1.3429579770478E-12
y0= : -3.7620463298535E-12
*****
i=31128
k(31128)=0.9999122735307
kQ(31128)=0.99982455475733
r1= : 3.9954943553755E-12
rpunto1 : = 3970917.2573363
rduepunti0 : = -1.3421198908255E+25
fil : = 488.17496556507
fipunto1 : = 7.813966904309E+17
fi_gradi : = 27970.365190823
t1 : = 1.0809093489709E-14
tpunto1 : = 1.0005591785173
tduepunti0 : = -1.4054136257221E+15
v=v_elettrone : = 5052860.0576326
x0= : -1.3427697040633E-12
y0= : -3.7626084000737E-12

```

```
*****
i=31129
k(31129)=0.99991234305252
kQ(31129)=0.99982469378879
r1= : 3.9959600593628E-12
rpunto1 : = 3969343.5702105
rduepunti0 : = -1.3418354870146E+25
fil : = 488.17505720626
fipunto1 : = 7.8121453547234E+17
fi_gradi : = 27970.370441476
t1 : = 1.0809093607053E-14
tpunto1 : = 1.000559013796
tduepunti0 : = -1.4045287901959E+15
v=v_elettrone : = 5051397.4799751
x0= : -1.3425813577704E-12
y0= : -3.7631702647642E-12
*****
i=31130
k(31130)=0.99991241253207
kQ(31130)=0.99982483273571
r1= : 3.9964255787901E-12
rpunto1 : = 3967770.2163927
rduepunti0 : = -1.341551285325E+25
fil : = 488.17514882608
fipunto1 : = 7.8103251636416E+17
fi_gradi : = 27970.375690905
t1 : = 1.0809093724398E-14
tpunto1 : = 1.0005588491784
tduepunti0 : = -1.4036445772454E+15
v=v_elettrone : = 5049935.3989298
x0= : -1.3423929382045E-12
y0= : -3.7637319239661E-12
*****
i=31131
k(31131)=0.99991248196937
kQ(31131)=0.99982497159815
r1= : 3.9968909136965E-12
rpunto1 : = 3966197.1956461
rduepunti0 : = -1.3412672855896E+25
fil : = 488.17524042455
fipunto1 : = 7.8085063298575E+17
fi_gradi : = 27970.380939111
t1 : = 1.0809093841742E-14
tpunto1 : = 1.0005586846644
tduepunti0 : = -1.4027609861961E+15
v=v_elettrone : = 5048473.8145898
x0= : -1.3422044454018E-12
y0= : -3.7642933777206E-12
*****
i=31132
k(31132)=0.99991255136445
kQ(31132)=0.99982511037616
r1= : 3.9973560641211E-12
rpunto1 : = 3964624.507734
rduepunti0 : = -1.3409834876412E+25
fil : = 488.17533200169
fipunto1 : = 7.8066888521664E+17
fi_gradi : = 27970.386186095
t1 : = 1.0809093959086E-14
tpunto1 : = 1.000558520254
tduepunti0 : = -1.4018780163742E+15
v=v_elettrone : = 5047012.7270169
x0= : -1.342015879398E-12
y0= : -3.764854626069E-12
```

```
*****
i=31133
k(31133)=0.99991262071733
kQ(31133)=0.99982524906979
r1= : 3.9978210301029E-12
rpunto1 : = 3963052.1524199
rduepunti0 : = -1.3406998913132E+25
fil : = 488.17542355752
fipunto1 : = 7.8048727293649E+17
fi_gradi : = 27970.391431857
t1 : = 1.080909407643E-14
tpunto1 : = 1.0005583559471
tduepunti0 : = -1.4009956671068E+15
v=v_elettrone : = 5045552.1363171
x0= : -1.3418272402292E-12
y0= : -3.7654156690523E-12
*****
i=31134
k(31134)=0.99991269002804
kQ(31134)=0.99982538767912
r1= : 3.998285811681E-12
rpunto1 : = 3961480.1294677
rduepunti0 : = -1.3404164964388E+25
fil : = 488.17551509205
fipunto1 : = 7.8030579602513E+17
fi_gradi : = 27970.396676399
t1 : = 1.0809094193775E-14
tpunto1 : = 1.0005581917435
tduepunti0 : = -1.4001139377219E+15
v=v_elettrone : = 5044092.0425566
x0= : -1.341638527931E-12
y0= : -3.7659765067117E-12
*****
i=31135
k(31135)=0.99991275929662
kQ(31135)=0.99982552620418
r1= : 3.9987504088942E-12
rpunto1 : = 3959908.4386412
rduepunti0 : = -1.3401333028517E+25
fil : = 488.17560660529
fipunto1 : = 7.8012445436253E+17
fi_gradi : = 27970.401919722
t1 : = 1.0809094311119E-14
tpunto1 : = 1.0005580276433
tduepunti0 : = -1.3992328275485E+15
v=v_elettrone : = 5042632.4446352
x0= : -1.3414497425392E-12
y0= : -3.7665371390882E-12
*****
i=31136
k(31136)=0.99991282852309
kQ(31136)=0.99982566464504
r1= : 3.9992148217816E-12
rpunto1 : = 3958337.0797046
rduepunti0 : = -1.3398503103857E+25
fil : = 488.17569809727
fipunto1 : = 7.7994324782882E+17
fi_gradi : = 27970.407161826
t1 : = 1.0809094428463E-14
tpunto1 : = 1.0005578636464
tduepunti0 : = -1.3983523359162E+15
v=v_elettrone : = 5041173.3426189
x0= : -1.3412608840895E-12
y0= : -3.767097566223E-12
```

```
*****
i=31137
k(31137)=0.99991289770747
kQ(31137)=0.99982580300175
r1= : 3.9996790503821E-12
rpunto1: = 3956766.0524222
rduepunti0 : = -1.3395675188747E+25
fil : = 488.17578956799
fipunto1 : = 7.7976217630428E+17
fi_gradi : = 27970.412402713
t1 : = 1.0809094545807E-14
tpunto1 : = 1.0005576997527
tduepunti0 : = -1.3974724621558E+15
v=v_elettrone : = 5039714.7353891
x0= : -1.3410719526177E-12
y0= : -3.767657788157E-12
*****
i=31138
k(31138)=0.9999129668498
kQ(31138)=0.99982594127437
r1= : 4.0001430947345E-12
rpunto1: = 3955195.3565584
rduepunti0 : = -1.3392849281529E+25
fil : = 488.17588101748
fipunto1 : = 7.7958123966931E+17
fi_gradi : = 27970.417642382
t1 : = 1.0809094663151E-14
tpunto1 : = 1.000557535962
tduepunti0 : = -1.3965932055988E+15
v=v_elettrone : = 5038256.6254562
x0= : -1.3408829481597E-12
y0= : -3.7682178049311E-12
*****
i=31139
k(31139)=0.9999130359501
kQ(31139)=0.99982607946295
r1= : 4.0006069548778E-12
rpunto1: = 3953624.9918781
rduepunti0 : = -1.3390025380547E+25
fil : = 488.17597244575
fipunto1 : = 7.7940043780449E+17
fi_gradi : = 27970.422880836
t1 : = 1.0809094780495E-14
tpunto1 : = 1.0005573722745
tduepunti0 : = -1.3957145655775E+15
v=v_elettrone : = 5036799.009274
x0= : -1.3406938707508E-12
y0= : -3.7687776165865E-12
*****
i=31140
k(31140)=0.9999131050084
kQ(31140)=0.99982621756754
r1= : 4.0010706308508E-12
rpunto1: = 3952054.9581461
rduepunti0 : = -1.3387203484146E+25
fil : = 488.17606385281
fipunto1 : = 7.7921977059053E+17
fi_gradi : = 27970.428118075
t1 : = 1.0809094897839E-14
tpunto1 : = 1.0005572086898
tduepunti0 : = -1.3948365414253E+15
v=v_elettrone : = 5035341.88933
x0= : -1.3405047204271E-12
y0= : -3.769337223164E-12
```

```
*****
i=31141
k(31141)=0.99991317402473
kQ(31141)=0.99982635558821
r1= : 4.0015341226923E-12
rpunto1: = 3950485.2551276
rduepunti0 : = -1.3384383590674E+25
fil : = 488.17615523869
fipunto1 : = 7.7903923790831E+17
fi_gradi : = 27970.4333541
t1 : = 1.0809095015183E-14
tpunto1 : = 1.0005570452081
tduepunti0 : = -1.3939591324763E+15
v=v_elettrone : = 5033885.2633256
x0= : -1.3403154972239E-12
y0= : -3.7698966247045E-12
*****
i=31142
k(31142)=0.99991324299912
kQ(31142)=0.99982649352501
r1= : 4.001997430441E-12
rpunto1: = 3948915.8825877
rduepunti0 : = -1.338156569848E+25
fil : = 488.17624660339
fipunto1 : = 7.7885883963883E+17
fi_gradi : = 27970.438588912
t1 : = 1.0809095132527E-14
tpunto1 : = 1.0005568818293
tduepunti0 : = -1.3930823380655E+15
v=v_elettrone : = 5032429.1325283
x0= : -1.340126201177E-12
y0= : -3.7704558212489E-12
*****
i=31143
k(31143)=0.99991331193158
kQ(31143)=0.99982663137799
r1= : 4.0024605541358E-12
rpunto1: = 3947346.8402921
rduepunti0 : = -1.3378749805915E+25
fil : = 488.17633794694
fipunto1 : = 7.7867857566325E+17
fi_gradi : = 27970.443822512
t1 : = 1.0809095249871E-14
tpunto1 : = 1.0005567185531
tduepunti0 : = -1.3922061575289E+15
v=v_elettrone : = 5030973.4970145
x0= : -1.3399368323219E-12
y0= : -3.771014812838E-12
*****
i=31144
k(31144)=0.99991338082216
kQ(31144)=0.99982676914721
r1= : 4.0029234938154E-12
rpunto1: = 3945778.1280063
rduepunti0 : = -1.3375935911334E+25
fil : = 488.17642926935
fipunto1 : = 7.7849844586288E+17
fi_gradi : = 27970.4490549
t1 : = 1.0809095367215E-14
tpunto1 : = 1.0005565553797
tduepunti0 : = -1.3913305902031E+15
v=v_elettrone : = 5029518.3544931
x0= : -1.3397473906941E-12
y0= : -3.7715735995127E-12
```

```
*****
i=31145
k(31145)=0.99991344967088
kQ(31145)=0.99982690683272
r1= : 4.0033862495184E-12
rpunto1: = 3944209.7454963
rduepunti0 : = -1.3373124013091E+25
fil : = 488.17652057063
fipunto1 : = 7.7831845011918E+17
fi_gradi : = 27970.454286078
t1 : = 1.0809095484559E-14
tpunto1 : = 1.0005563923089
tduepunti0 : = -1.3904556354259E+15
v=v_elettrone : = 5028063.707412
x0= : -1.3395578763293E-12
y0= : -3.7721321813138E-12
*****
i=31146
k(31146)=0.99991351847776
kQ(31146)=0.99982704443458
r1= : 4.0038488212836E-12
rpunto1: = 3942641.6925281
rduepunti0 : = -1.3370314109542E+25
fil : = 488.1766118508
fipunto1 : = 7.7813858831375E+17
fi_gradi : = 27970.459516047
t1 : = 1.0809095601903E-14
tpunto1 : = 1.0005562293406
tduepunti0 : = -1.3895812925357E+15
v=v_elettrone : = 5026609.5522776
x0= : -1.3393682892627E-12
y0= : -3.772690558282E-12
*****
i=31147
k(31147)=0.99991358724284
kQ(31147)=0.99982718195285
r1= : 4.0043112091495E-12
rpunto1: = 3941073.968868
rduepunti0 : = -1.3367506199049E+25
fil : = 488.17670310988
fipunto1 : = 7.7795886032833E+17
fi_gradi : = 27970.464744807
t1 : = 1.0809095719247E-14
tpunto1 : = 1.0005560664748
tduepunti0 : = -1.3887075608718E+15
v=v_elettrone : = 5025155.8927691
x0= : -1.3391786295302E-12
y0= : -3.7732487304581E-12
*****
i=31148
k(31148)=0.99991365596614
kQ(31148)=0.99982731938757
r1= : 4.0047734131549E-12
rpunto1: = 3939506.5742824
rduepunti0 : = -1.336470027997E+25
fil : = 488.17679434787
fipunto1 : = 7.777926604482E+17
fi_gradi : = 27970.469972359
t1 : = 1.0809095836591E-14
tpunto1 : = 1.0005559037114
tduepunti0 : = -1.3878344397745E+15
v=v_elettrone : = 5023702.7253499
x0= : -1.338988897167E-12
y0= : -3.7738066978827E-12
```

```
*****
i=31149
k(31149)=0.99991372464769
kQ(31149)=0.99982745673881
r1= : 4.0052354333383E-12
rpunto1: = 3937939.5085379
rduepunti0 : = -1.336189635067E+25
fil : = 488.17688556481
fipunto1 : = 7.7759980534527E+17
fi_gradi : = 27970.475198705
t1 : = 1.0809095953935E-14
tpunto1 : = 1.0005557410503
tduepunti0 : = -1.3869619285849E+15
v=v_elettrone : = 5022250.0513367
x0= : -1.3387990922085E-12
y0= : -3.7743644605965E-12
*****
i=31150
k(31150)=0.99991379328751
kQ(31150)=0.99982759400662
r1= : 4.0056972697383E-12
rpunto1: = 3936372.7714015
rduepunti0 : = -1.3359094409512E+25
fil : = 488.1769767607
fipunto1 : = 7.7742047811185E+17
fi_gradi : = 27970.480423844
t1 : = 1.0809096071279E-14
tpunto1 : = 1.0005555784915
tduepunti0 : = -1.3860900266449E+15
v=v_elettrone : = 5020797.870786
x0= : -1.3386092146904E-12
y0= : -3.7749220186403E-12
*****
i=31151
k(31151)=0.99991386188564
kQ(31151)=0.99982773119105
r1= : 4.0061589223934E-12
rpunto1: = 3934806.3626401
rduepunti0 : = -1.3356294454865E+25
fil : = 488.17706793556
fipunto1 : = 7.772412842269E+17
fi_gradi : = 27970.485647779
t1 : = 1.0809096188623E-14
tpunto1 : = 1.0005554160348
tduepunti0 : = -1.3852187332973E+15
v=v_elettrone : = 5019346.1825817
x0= : -1.3384192646477E-12
y0= : -3.7754793720545E-12
*****
i=31152
k(31152)=0.99991393044209
kQ(31152)=0.99982786829215
r1= : 4.0066203913421E-12
rpunto1: = 3933240.2820209
rduepunti0 : = -1.3353496485095E+25
fil : = 488.1771590894
fipunto1 : = 7.770622235729E+17
fi_gradi : = 27970.490870509
t1 : = 1.0809096305966E-14
tpunto1 : = 1.0005552536803
tduepunti0 : = -1.3843480478857E+15
v=v_elettrone : = 5017894.9868207
x0= : -1.3382292421161E-12
y0= : -3.7760365208798E-12
```



```
*****
i=31153
k(31153)=0.99991399895691
kQ(31153)=0.99982800530999
r1= : 4.007081676623E-12
rpunto1: = 3931674.5293113
rduepunti0 : = -1.3350700498575E+25
fil : = 488.17725022224
fipunto1 : = 7.7688329603247E+17
fi_gradi : = 27970.496092036
t1 : = 1.080909642331E-14
tpunto1 : = 1.0005550914278
tduepunti0 : = -1.3834779697548E+15
v=v_elettrone : = 5016444.2835627
x0= : -1.3380391471308E-12
y0= : -3.7765934651567E-12
*****
i=31154
k(31154)=0.99991406743011
kQ(31154)=0.99982814224462
r1= : 4.0075427782744E-12
rpunto1: = 3930109.1042791
rduepunti0 : = -1.3347906493676E+25
fil : = 488.1773413341
fipunto1 : = 7.7670450148838E+17
fi_gradi : = 27970.501312361
t1 : = 1.0809096540654E-14
tpunto1 : = 1.0005549292773
tduepunti0 : = -1.3826084982498E+15
v=v_elettrone : = 5014994.0729137
x0= : -1.3378489797272E-12
y0= : -3.7771502049257E-12
*****
i=31155
k(31155)=0.99991413586172
kQ(31155)=0.99982827909609
r1= : 4.0080036963348E-12
rpunto1: = 3928544.0066918
rduepunti0 : = -1.3345114468772E+25
fil : = 488.17743242499
fipunto1 : = 7.7652583982355E+17
fi_gradi : = 27970.506531485
t1 : = 1.0809096657998E-14
tpunto1 : = 1.0005547672287
tduepunti0 : = -1.3817396327171E+15
v=v_elettrone : = 5013544.3537415
x0= : -1.3376587399404E-12
y0= : -3.7777067402275E-12
*****
i=31156
k(31156)=0.99991420425177
kQ(31156)=0.99982841586445
r1= : 4.0084644308426E-12
rpunto1: = 3926979.2363175
rduepunti0 : = -1.334232442224E+25
fil : = 488.17752349492
fipunto1 : = 7.7634731092102E+17
fi_gradi : = 27970.511749408
t1 : = 1.0809096775342E-14
tpunto1 : = 1.0005546052819
tduepunti0 : = -1.3808713725035E+15
v=v_elettrone : = 5012095.1261172
x0= : -1.3374684278058E-12
y0= : -3.7782630711024E-12
```

```
*****
i=31157
k(31157)=0.99991427260029
kQ(31157)=0.99982855254977
r1= : 4.0089249818362E-12
rpunto1: = 3925414.7929245
rduepunti0 : = -1.3339536352458E+25
fil : = 488.17761454392
fipunto1 : = 7.7616891466402E+17
fi_gradi : = 27970.516966131
t1 : = 1.0809096892685E-14
tpunto1 : = 1.0005544434369
tduepunti0 : = -1.3800037169572E+15
v=v_elettrone : = 5010646.3901463
x0= : -1.3372780433587E-12
y0= : -3.7788191975908E-12
*****
i=31158
k(31158)=0.9999143409073
kQ(31158)=0.99982868915209
r1= : 4.0093853493539E-12
rpunto1: = 3923850.676281
rduepunti0 : = -1.3336750257806E+25
fil : = 488.177705572
fipunto1 : = 7.7599065093587E+17
fi_gradi : = 27970.522181656
t1 : = 1.0809097010029E-14
tpunto1 : = 1.0005542816935
tduepunti0 : = -1.3791366654268E+15
v=v_elettrone : = 5009198.1459057
x0= : -1.3370875866343E-12
y0= : -3.7793751197332E-12
*****
i=31159
k(31159)=0.99991440917284
kQ(31159)=0.99982882567147
r1= : 4.009845533434E-12
rpunto1: = 3922286.8861555
rduepunti0 : = -1.3333966136665E+25
fil : = 488.17779657917
fipunto1 : = 7.7581251962008E+17
fi_gradi : = 27970.527395982
t1 : = 1.0809097127373E-14
tpunto1 : = 1.0005541200518
tduepunti0 : = -1.3782702172621E+15
v=v_elettrone : = 5007750.3934738
x0= : -1.3368970576677E-12
y0= : -3.77993083757E-12
*****
i=31160
k(31160)=0.99991447739692
kQ(31160)=0.99982896210796
r1= : 4.0103055341149E-12
rpunto1: = 3920723.4223169
rduepunti0 : = -1.333118398742E+25
fil : = 488.17788756545
fipunto1 : = 7.7563452060027E+17
fi_gradi : = 27970.532609112
t1 : = 1.0809097244716E-14
tpunto1 : = 1.0005539585116
tduepunti0 : = -1.3774043718133E+15
v=v_elettrone : = 5006303.1305107
x0= : -1.3367064564939E-12
y0= : -3.7804863511416E-12
```

```
*****
i=31161
k(31161)=0.99991454557958
kQ(31161)=0.99982909846162
r1= : 4.0107653514348E-12
rpunto1: = 3919160.2845341
rduepunti0 : = -1.3328403808457E+25
fil : = 488.17797853085
fipunto1 : = 7.7545665376023E+17
fi_gradi : = 27970.537821046
t1 : = 1.080909736206E-14
tpunto1 : = 1.0005537970729
tduepunti0 : = -1.376539128432E+15
v=v_elettrone : = 5004856.3595386
x0= : -1.3365157831483E-12
y0= : -3.7810416604883E-12
*****
i=31162
k(31162)=0.99991461372084
kQ(31162)=0.99982923473251
r1= : 4.0112249854319E-12
rpunto1: = 3917597.4725761
rduepunti0 : = -1.3325625598162E+25
fil : = 488.17806947539
fipunto1 : = 7.7527891898388E+17
fi_gradi : = 27970.543031784
t1 : = 1.0809097479404E-14
tpunto1 : = 1.0005536357356
tduepunti0 : = -1.3756744864702E+15
v=v_elettrone : = 5003410.0782078
x0= : -1.3363250376659E-12
y0= : -3.7815967656503E-12
*****
i=31163
k(31163)=0.99991468182074
kQ(31163)=0.99982937092066
r1= : 4.0116844361445E-12
rpunto1: = 3916034.9862123
rduepunti0 : = -1.3322849354925E+25
fil : = 488.17816039909
fipunto1 : = 7.7510131615529E+17
fi_gradi : = 27970.548241329
t1 : = 1.0809097596747E-14
tpunto1 : = 1.0005534744996
tduepunti0 : = -1.3748104452809E+15
v=v_elettrone : = 5001964.2866044
x0= : -1.3361342200819E-12
y0= : -3.782151666668E-12
*****
i=31164
k(31164)=0.99991474987928
kQ(31164)=0.99982950702615
r1= : 4.0121437036107E-12
rpunto1: = 3914472.8252121
rduepunti0 : = -1.3320075077137E+25
fil : = 488.17825130196
fipunto1 : = 7.7492384515865E+17
fi_gradi : = 27970.553449679
t1 : = 1.0809097714091E-14
tpunto1 : = 1.0005533133649
tduepunti0 : = -1.373947004218E+15
v=v_elettrone : = 5000518.986013
x0= : -1.3359433304314E-12
y0= : -3.7827063635815E-12
```

```
*****
i=31165
k(31165)=0.99991481789652
kQ(31165)=0.99982964304903
r1= : 4.0126027878687E-12
rpunto1: = 3912910.9893454
rduepunti0 : = -1.3317302763192E+25
fil : = 488.17834218402
fipunto1 : = 7.7474650587832E+17
fi_gradi : = 27970.558656838
t1 : = 1.0809097831435E-14
tpunto1 : = 1.0005531523314
tduepunti0 : = -1.3730841626362E+15
v=v_elettrone : = 4999074.1753352
x0= : -1.3357523687493E-12
y0= : -3.7832608564311E-12
*****
i=31166
k(31166)=0.99991488587246
kQ(31166)=0.99982977898934
r1= : 4.0130616889567E-12
rpunto1: = 3911349.4783818
rduepunti0 : = -1.3314532411484E+25
fil : = 488.17843304528
fipunto1 : = 7.745692981988E+17
fi_gradi : = 27970.563862804
t1 : = 1.0809097948778E-14
tpunto1 : = 1.000552991399
tduepunti0 : = -1.3722219198909E+15
v=v_elettrone : = 4997629.8546203
x0= : -1.3355613350706E-12
y0= : -3.783815145257E-12
*****
i=31167
k(31167)=0.99991495380714
kQ(31167)=0.99982991484714
r1= : 4.0135204069127E-12
rpunto1: = 3909788.2920916
rduepunti0 : = -1.3311764020411E+25
fil : = 488.17852388575
fipunto1 : = 7.7439222200473E+17
fi_gradi : = 27970.56906758
t1 : = 1.0809098066122E-14
tpunto1 : = 1.0005528305677
tduepunti0 : = -1.3713602753386E+15
v=v_elettrone : = 4996186.0227662
x0= : -1.3353702294304E-12
y0= : -3.7843692300994E-12
*****
i=31168
k(31168)=0.99991502170059
kQ(31168)=0.99983005062249
r1= : 4.0139789417748E-12
rpunto1: = 3908227.4302449
rduepunti0 : = -1.3308997588371E+25
fil : = 488.17861470546
fipunto1 : = 7.7421527718087E+17
fi_gradi : = 27970.574271166
t1 : = 1.0809098183465E-14
tpunto1 : = 1.0005526698373
tduepunti0 : = -1.3704992283364E+15
v=v_elettrone : = 4994742.6798445
x0= : -1.3351790518636E-12
y0= : -3.7849231109983E-12
```

```
*****
i=31169
k(31169)=0.99991508955283
kQ(31169)=0.99983018631544
r1= : 4.014437293581E-12
rpunto1: = 3906666.8926121
rduepunti0 : = -1.3306233113764E+25
fil : = 488.17870550441
fipunto1 : = 7.7403846361215E+17
fi_gradi : = 27970.579473563
t1 : = 1.0809098300809E-14
tpunto1 : = 1.0005525092079
tduepunti0 : = -1.3696387782424E+15
v=v_elettrone : = 4993299.8271527
x0= : -1.3349878024052E-12
y0= : -3.7854767879939E-12
*****
i=31170
k(31170)=0.99991515736388
kQ(31170)=0.99983032192604
r1= : 4.0148954623695E-12
rpunto1: = 3905106.678964
rduepunti0 : = -1.3303470594994E+25
fil : = 488.17879628263
fipunto1 : = 7.7386178118363E+17
fi_gradi : = 27970.584674772
t1 : = 1.0809098418152E-14
tpunto1 : = 1.0005523486792
tduepunti0 : = -1.3687789244155E+15
v=v_elettrone : = 4991857.4623608
x0= : -1.3347964810901E-12
y0= : -3.7860302611262E-12
*****
i=31171
k(31171)=0.99991522513378
kQ(31171)=0.99983045745434
r1= : 4.0153534481781E-12
rpunto1: = 3903546.7890712
rduepunti0 : = -1.3300710030464E+25
fil : = 488.17888704013
fipunto1 : = 7.7368522978051E+17
fi_gradi : = 27970.589874793
t1 : = 1.0809098535496E-14
tpunto1 : = 1.0005521882514
tduepunti0 : = -1.3679196662152E+15
v=v_elettrone : = 4990415.5867409
x0= : -1.3346050879532E-12
y0= : -3.7865835304354E-12
*****
i=31172
k(31172)=0.99991529286256
kQ(31172)=0.99983059290041
r1= : 4.0158112510449E-12
rpunto1: = 3901987.2227048
rduepunti0 : = -1.3297951418581E+25
fil : = 488.17897777693
fipunto1 : = 7.7350880928814E+17
fi_gradi : = 27970.595073629
t1 : = 1.0809098652839E-14
tpunto1 : = 1.0005520279243
tduepunti0 : = -1.3670610030022E+15
v=v_elettrone : = 4988974.1991908
x0= : -1.3344136230294E-12
y0= : -3.7871365959613E-12
```

```
*****
i=31173
k(31173)=0.99991536055023
kQ(31173)=0.99983072826429
r1= : 4.0162688710078E-12
rpunto1: = 3900427.9796361
rduepunti0 : = -1.3295194757753E+25
fil : = 488.17906849303
fipunto1 : = 7.7333251959201E+17
fi_gradi : = 27970.600271278
t1 : = 1.0809098770183E-14
tpunto1 : = 1.0005518676978
tduepunti0 : = -1.3662029341378E+15
v=v_elettrone : = 4987533.2997808
x0= : -1.3342220863535E-12
y0= : -3.787689457744E-12
*****
i=31174
k(31174)=0.99991542819683
kQ(31174)=0.99983086354604
r1= : 4.0167263081046E-12
rpunto1: = 3898869.0596362
rduepunti0 : = -1.3292440046389E+25
fil : = 488.17915918846
fipunto1 : = 7.7315636057773E+17
fi_gradi : = 27970.605467744
t1 : = 1.0809098887526E-14
tpunto1 : = 1.0005517075719
tduepunti0 : = -1.3653454589842E+15
v=v_elettrone : = 4986092.8885984
x0= : -1.3340304779604E-12
y0= : -3.7882421158235E-12
*****
i=31175
k(31175)=0.99991549580238
kQ(31175)=0.99983099874571
r1= : 4.0171835623734E-12
rpunto1: = 3897310.4624769
rduepunti0 : = -1.3289687282901E+25
fil : = 488.17924986322
fipunto1 : = 7.7298033213108E+17
fi_gradi : = 27970.610663025
t1 : = 1.0809099004869E-14
tpunto1 : = 1.0005515475464
tduepunti0 : = -1.3644885769043E+15
v=v_elettrone : = 4984652.9657291
x0= : -1.3338387978849E-12
y0= : -3.7887945702396E-12
*****
i=31176
k(31176)=0.99991556336691
kQ(31176)=0.99983113386336
r1= : 4.017640633852E-12
rpunto1: = 3895752.1879298
rduepunti0 : = -1.3286936465704E+25
fil : = 488.17934051735
fipunto1 : = 7.7280443413797E+17
fi_gradi : = 27970.615857124
t1 : = 1.0809099122213E-14
tpunto1 : = 1.0005513876214
tduepunti0 : = -1.3636322872621E+15
v=v_elettrone : = 4983213.530036
x0= : -1.3336470461617E-12
y0= : -3.7893468210323E-12
```

```
*****
i=31177
k(31177)=0.99991563089044
kQ(31177)=0.99983126889903
r1= : 4.0180975225781E-12
rpunto1: = 3894194.2357669
rduepunti0 : = -1.3284187593211E+25
fil : = 488.17943115084
fipunto1 : = 7.7262866648444E+17
fi_gradi : = 27970.621050041
t1 : = 1.0809099239556E-14
tpunto1 : = 1.0005512277968
tduepunti0 : = -1.3627765894221E+15
v=v_elettrone : = 4981774.5816059
x0= : -1.3334552228255E-12
y0= : -3.7898988682414E-12
*****
i=31178
k(31178)=0.99991569837301
kQ(31178)=0.99983140385278
r1= : 4.0185542285897E-12
rpunto1: = 3892636.6057603
rduepunti0 : = -1.3281440663841E+25
fil : = 488.17952176372
fipunto1 : = 7.7245302905668E+17
fi_gradi : = 27970.626241776
t1 : = 1.0809099356899E-14
tpunto1 : = 1.0005510680724
tduepunti0 : = -1.36192148275E+15
v=v_elettrone : = 4980336.1217455
x0= : -1.3332633279113E-12
y0= : -3.7904507119069E-12
*****
i=31179
k(31179)=0.99991576581464
kQ(31179)=0.99983153872467
r1= : 4.0190107519244E-12
rpunto1: = 3891079.2976823
rduepunti0 : = -1.3278695676013E+25
fil : = 488.179612356
fipunto1 : = 7.7227752174102E+17
fi_gradi : = 27970.631432332
t1 : = 1.0809099474243E-14
tpunto1 : = 1.0005509084482
tduepunti0 : = -1.3610669666118E+15
v=v_elettrone : = 4978898.1480875
x0= : -1.3330713614534E-12
y0= : -3.7910023520685E-12
*****
i=31180
k(31180)=0.99991583321535
kQ(31180)=0.99983167351474
r1= : 4.0194670926201E-12
rpunto1: = 3889522.3113053
rduepunti0 : = -1.3275952628147E+25
fil : = 488.1797029277
fipunto1 : = 7.7210214442392E+17
fi_gradi : = 27970.636621708
t1 : = 1.0809099591586E-14
tpunto1 : = 1.0005507489242
tduepunti0 : = -1.3602130403749E+15
v=v_elettrone : = 4977460.6607475
x0= : -1.3328793234866E-12
y0= : -3.791553788766E-12
```

```
*****
i=31181
k(31181)=0.99991590057517
kQ(31181)=0.99983180822306
r1= : 4.0199232507144E-12
rpunto1: = 3887965.6464021
rduepunti0 : = -1.3273211518666E+25
fil : = 488.17979347883
fipunto1 : = 7.7192689699199E+17
fi_gradi : = 27970.641809905
t1 : = 1.0809099708929E-14
tpunto1 : = 1.0005505895003
tduepunti0 : = -1.359359703407E+15
v=v_elettrone : = 4976023.659789
x0= : -1.3326872140458E-12
y0= : -3.7921050220392E-12
*****
i=31182
k(31182)=0.99991596789414
kQ(31182)=0.99983194284967
r1= : 4.0203792262452E-12
rpunto1: = 3886409.3027454
rduepunti0 : = -1.3270472345994E+25
fil : = 488.17988400941
fipunto1 : = 7.7175177933198E+17
fi_gradi : = 27970.646996925
t1 : = 1.0809099826273E-14
tpunto1 : = 1.0005504301764
tduepunti0 : = -1.358506955077E+15
v=v_elettrone : = 4974587.1465182
x0= : -1.3324950331655E-12
y0= : -3.7926560519277E-12
*****
i=31183
k(31183)=0.99991603517226
kQ(31183)=0.99983207739462
r1= : 4.02083501925E-12
rpunto1: = 3884853.2801084
rduepunti0 : = -1.3267735108559E+25
fil : = 488.17997451945
fipunto1 : = 7.7157679133078E+17
fi_gradi : = 27970.652182769
t1 : = 1.0809099943616E-14
tpunto1 : = 1.0005502709524
tduepunti0 : = -1.3576547947545E+15
v=v_elettrone : = 4973151.1185774
x0= : -1.3323027808803E-12
y0= : -3.7932068784714E-12
*****
i=31184
k(31184)=0.99991610240958
kQ(31184)=0.99983221185797
r1= : 4.0212906297664E-12
rpunto1: = 3883297.5782643
rduepunti0 : = -1.3264999804789E+25
fil : = 488.18006500897
fipunto1 : = 7.714019328754E+17
fi_gradi : = 27970.657367436
t1 : = 1.0809100060959E-14
tpunto1 : = 1.0005501118283
tduepunti0 : = -1.3568032218098E+15
v=v_elettrone : = 4971715.5772821
x0= : -1.3321104572247E-12
y0= : -3.7937575017098E-12
```



```
*****
i=31185
k(31185)=0.99991616960612
kQ(31185)=0.99983234623978
r1= : 4.0217460578322E-12
rpunto1: = 3881742.1969864
rduepunti0 : = -1.3262266433112E+25
fil : = 488.18015547798
fipunto1 : = 7.7122720385301E+17
fi_gradi : = 27970.662550929
t1 : = 1.0809100178302E-14
tpunto1 : = 1.000549952804
tduepunti0 : = -1.3559522356141E+15
v=v_elettrone : = 4970280.5214844
x0= : -1.3319180622334E-12
y0= : -3.7943079216827E-12
*****
i=31186
k(31186)=0.99991623676191
kQ(31186)=0.99983248054009
r1= : 4.0222013034849E-12
rpunto1: = 3880187.1360484
rduepunti0 : = -1.3259534991962E+25
fil : = 488.1802459265
fipunto1 : = 7.7105260415091E+17
fi_gradi : = 27970.667733247
t1 : = 1.0809100295645E-14
tpunto1 : = 1.0005497938794
tduepunti0 : = -1.3551018355395E+15
v=v_elettrone : = 4968845.9512802
x0= : -1.3317255959408E-12
y0= : -3.7948581384296E-12
*****
i=31187
k(31187)=0.99991630387696
kQ(31187)=0.99983261475896
r1= : 4.0226563667621E-12
rpunto1: = 3878632.3952239
rduepunti0 : = -1.3256805479771E+25
fil : = 488.18033635454
fipunto1 : = 7.7087813365654E+17
fi_gradi : = 27970.672914392
t1 : = 1.0809100412989E-14
tpunto1 : = 1.0005496350545
tduepunti0 : = -1.3542520209587E+15
v=v_elettrone : = 4967411.8667521
x0= : -1.3315330583816E-12
y0= : -3.7954081519901E-12
*****
i=31188
k(31188)=0.99991637095131
kQ(31188)=0.99983274889644
r1= : 4.0231112477014E-12
rpunto1: = 3877077.9742871
rduepunti0 : = -1.3254077894976E+25
fil : = 488.18042676212
fipunto1 : = 7.7070379225748E+17
fi_gradi : = 27970.678094365
t1 : = 1.0809100530332E-14
tpunto1 : = 1.0005494763292
tduepunti0 : = -1.3534027912455E+15
v=v_elettrone : = 4965978.2667611
x0= : -1.3313404495901E-12
y0= : -3.7959579624039E-12
```

```
*****
i=31189
k(31189)=0.99991643798499
kQ(31189)=0.99983288295258
r1= : 4.0235659463401E-12
rpunto1: = 3875523.873012
rduepunti0 : = -1.3251352236014E+25
fil : = 488.18051714925
fipunto1 : = 7.7052957984143E+17
fi_gradi : = 27970.683273166
t1 : = 1.0809100647675E-14
tpunto1 : = 1.0005493177034
tduepunti0 : = -1.3525541457741E+15
v=v_elettrone : = 4964545.1526125
x0= : -1.3311477696009E-12
y0= : -3.7965075697103E-12
*****
i=31190
k(31190)=0.99991650497801
kQ(31190)=0.99983301692744
r1= : 4.0240204627159E-12
rpunto1: = 3873970.0911729
rduepunti0 : = -1.3248628501323E+25
fil : = 488.18060751596
fipunto1 : = 7.7035549629626E+17
fi_gradi : = 27970.688450797
t1 : = 1.0809100765018E-14
tpunto1 : = 1.0005491591771
tduepunti0 : = -1.35170608392E+15
v=v_elettrone : = 4963112.5231671
x0= : -1.3309550184484E-12
y0= : -3.797056973949E-12
*****
i=31191
k(31191)=0.99991657193041
kQ(31191)=0.99983315082107
r1= : 4.0244747968662E-12
rpunto1: = 3872416.6285444
rduepunti0 : = -1.3245906689345E+25
fil : = 488.18069786224
fipunto1 : = 7.7018154150996E+17
fi_gradi : = 27970.693627258
t1 : = 1.0809100882361E-14
tpunto1 : = 1.0005490007501
tduepunti0 : = -1.3508586050591E+15
v=v_elettrone : = 4961680.3785328
x0= : -1.330762196167E-12
y0= : -3.7976061751595E-12
*****
i=31192
k(31192)=0.99991663884222
kQ(31192)=0.99983328463351
r1= : 4.0249289488285E-12
rpunto1: = 3870863.4849011
rduepunti0 : = -1.3243186798522E+25
fil : = 488.18078818813
fipunto1 : = 7.7000771537065E+17
fi_gradi : = 27970.69880255
t1 : = 1.0809100999704E-14
tpunto1 : = 1.0005488424225
tduepunti0 : = -1.3500117085683E+15
v=v_elettrone : = 4960248.7175335
x0= : -1.330569302791E-12
y0= : -3.7981551733811E-12
```

```
*****
i=31193
k(31193)=0.99991670571345
kQ(31193)=0.99983341836484
r1= : 4.02538291864E-12
rpunto1 : = 3869310.6600179
rduepunti0 : = -1.3240468827298E+25
fil : = 488.18087849363
fipunto1 : = 7.6983401776659E+17
fi_gradi : = 27970.703976674
t1 : = 1.0809101117047E-14
tpunto1 : = 1.0005486841942
tduepunti0 : = -1.3491653938252E+15
v=v_elettrone : = 4958817.5415071
x0= : -1.330376338355E-12
y0= : -3.7987039686533E-12
*****
i=31194
k(31194)=0.99991677254414
kQ(31194)=0.99983355201508
r1= : 4.0258367063383E-12
rpunto1 : = 3867758.1536699
rduepunti0 : = -1.3237752774121E+25
fil : = 488.18096877875
fipunto1 : = 7.6966044858619E+17
fi_gradi : = 27970.70914963
t1 : = 1.080910123439E-14
tpunto1 : = 1.000548526065
tduepunti0 : = -1.3483196602084E+15
v=v_elettrone : = 4957386.8493033
x0= : -1.3301833028932E-12
y0= : -3.7992525610155E-12
*****
i=31195
k(31195)=0.99991683933431
kQ(31195)=0.99983368558431
r1= : 4.0262903119607E-12
rpunto1 : = 3866205.9656324
rduepunti0 : = -1.3235038637438E+25
fil : = 488.18105904352
fipunto1 : = 7.6948700771798E+17
fi_gradi : = 27970.714321421
t1 : = 1.0809101351733E-14
tpunto1 : = 1.000548368035
tduepunti0 : = -1.347474507097E+15
v=v_elettrone : = 4955956.6410104
x0= : -1.3299901964399E-12
y0= : -3.7998009505071E-12
*****
i=31196
k(31196)=0.99991690608398
kQ(31196)=0.99983381907256
r1= : 4.0267437355445E-12
rpunto1 : = 3864654.0956806
rduepunti0 : = -1.3232326415699E+25
fil : = 488.18114928796
fipunto1 : = 7.6931369505064E+17
fi_gradi : = 27970.719492046
t1 : = 1.0809101469076E-14
tpunto1 : = 1.000548210104
tduepunti0 : = -1.3466299338712E+15
v=v_elettrone : = 4954526.9167088
x0= : -1.3297970190295E-12
y0= : -3.8003491371674E-12
```

```
*****
i=31197
k(31197)=0.99991697279319
kQ(31197)=0.9998339524799
r1= : 4.027196977127E-12
rpunto1: = 3863102.5435902
rduepunti0 : = -1.3229616107356E+25
fil : = 488.18123951206
fipunto1 : = 7.6914051047297E+17
fi_gradi : = 27970.724661506
t1 : = 1.0809101586419E-14
tpunto1 : = 1.0005480522719
tduepunti0 : = -1.3457859399118E+15
v=v_elettrone : = 4953097.6752755
x0= : -1.3296037706962E-12
y0= : -3.8008971210357E-12
*****
i=31198
k(31198)=0.99991703946196
kQ(31198)=0.99983408580637
r1= : 4.0276500367456E-12
rpunto1: = 3861551.3091371
rduepunti0 : = -1.3226907710861E+25
fil : = 488.18132971585
fipunto1 : = 7.6896745387393E+17
fi_gradi : = 27970.729829803
t1 : = 1.0809101703762E-14
tpunto1 : = 1.0005478945388
tduepunti0 : = -1.3449425246005E+15
v=v_elettrone : = 4951668.9180002
x0= : -1.3294104514743E-12
y0= : -3.8014449021513E-12
*****
i=31199
k(31199)=0.99991710609032
kQ(31199)=0.99983421905203
r1= : 4.0281029144373E-12
rpunto1: = 3860000.3920971
rduepunti0 : = -1.3224201224672E+25
fil : = 488.18141989935
fipunto1 : = 7.687945251426E+17
fi_gradi : = 27970.734996937
t1 : = 1.0809101821105E-14
tpunto1 : = 1.0005477369046
tduepunti0 : = -1.3440996873196E+15
v=v_elettrone : = 4950240.6437512
x0= : -1.3292170613979E-12
y0= : -3.8019924805535E-12
*****
i=31200
k(31200)=0.99991717267828
kQ(31200)=0.99983435221693
r1= : 4.0285556102396E-12
rpunto1: = 3858449.7922464
rduepunti0 : = -1.3221496647243E+25
fil : = 488.18151006257
fipunto1 : = 7.6862172416819E+17
fi_gradi : = 27970.740162909
t1 : = 1.0809101938448E-14
tpunto1 : = 1.0005475793691
tduepunti0 : = -1.3432574274526E+15
v=v_elettrone : = 4948812.8513912
x0= : -1.3290236005012E-12
y0= : -3.8025398562815E-12
```

```
*****
i=31201
k(31201)=0.99991723922589
kQ(31201)=0.99983448530112
r1= : 4.0290081241895E-12
rpunto1: = 3856899.5093614
rduepunti0 : = -1.3218793977035E+25
fil : = 488.18160020552
fipunto1 : = 7.6844905084006E+17
fi_gradi : = 27970.745327719
t1 : = 1.0809102055791E-14
tpunto1 : = 1.0005474219324
tduepunti0 : = -1.3424157443833E+15
v=v_elettrone : = 4947385.5422262
x0= : -1.3288300688186E-12
y0= : -3.8030870293745E-12
*****
i=31202
k(31202)=0.99991730573316
kQ(31202)=0.99983461830466
r1= : 4.0294604563243E-12
rpunto1: = 3855349.5432185
rduepunti0 : = -1.3216093212508E+25
fil : = 488.18169032822
fipunto1 : = 7.6827650504768E+17
fi_gradi : = 27970.75049137
t1 : = 1.0809102173134E-14
tpunto1 : = 1.0005472645942
tduepunti0 : = -1.3415746374966E+15
v=v_elettrone : = 4945958.7151235
x0= : -1.3286364663841E-12
y0= : -3.8036339998716E-12
*****
i=31203
k(31203)=0.99991737220012
kQ(31203)=0.99983475122759
r1= : 4.029912606681E-12
rpunto1: = 3853799.8935944
rduepunti0 : = -1.3213394352124E+25
fil : = 488.18178043069
fipunto1 : = 7.681040866807E+17
fi_gradi : = 27970.755653861
t1 : = 1.0809102290477E-14
tpunto1 : = 1.0005471073547
tduepunti0 : = -1.3407341061783E+15
v=v_elettrone : = 4944532.3713837
x0= : -1.328442793232E-12
y0= : -3.804180767812E-12
*****
i=31204
k(31204)=0.99991743862679
kQ(31204)=0.99983488406996
r1= : 4.0303645752969E-12
rpunto1: = 3852250.560266
rduepunti0 : = -1.3210697394347E+25
fil : = 488.18187051293
fipunto1 : = 7.6793179562886E+17
fi_gradi : = 27970.760815193
t1 : = 1.080910240782E-14
tpunto1 : = 1.0005469502137
tduepunti0 : = -1.3398941498145E+15
v=v_elettrone : = 4943106.5086374
x0= : -1.3282490493961E-12
y0= : -3.8047273332349E-12
```

```

*****
i=31205
k(31205)=0.99991750501321
kQ(31205)=0.99983501683183
r1= : 4.030816362209E-12
rpunto1: = 3850701.5430103
rduepunti0 : = -1.3208002337643E+25
fil : = 488.18196057497
fipunto1 : = 7.6775963178206E+17
fi_gradi : = 27970.765975368
t1 : = 1.0809102525163E-14
tpunto1 : = 1.0005467931711
tduepunti0 : = -1.3390547677927E+15
v=v_elettrone : = 4941681.1282268
x0= : -1.3280552349108E-12
y0= : -3.8052736961793E-12
*****
i=31206
k(31206)=0.99991757135939
kQ(31206)=0.99983514951326
r1= : 4.0312679674544E-12
rpunto1: = 3849152.8416045
rduepunti0 : = -1.320530918048E+25
fil : = 488.18205061681
fipunto1 : = 7.6758759503033E+17
fi_gradi : = 27970.771134385
t1 : = 1.0809102642505E-14
tpunto1 : = 1.0005466362268
tduepunti0 : = -1.3382159595007E+15
v=v_elettrone : = 4940256.2301988
x0= : -1.3278613498101E-12
y0= : -3.8058198566843E-12
*****
i=31207
k(31207)=0.99991763766537
kQ(31207)=0.99983528211429
r1= : 4.0317193910701E-12
rpunto1: = 3847604.4558262
rduepunti0 : = -1.3202617921328E+25
fil : = 488.18214063848
fipunto1 : = 7.6741568526382E+17
fi_gradi : = 27970.776292247
t1 : = 1.0809102759848E-14
tpunto1 : = 1.0005464793809
tduepunti0 : = -1.3373777243273E+15
v=v_elettrone : = 4938831.8134249
x0= : -1.3276673941278E-12
y0= : -3.8063658147889E-12
*****
i=31208
k(31208)=0.99991770393116
kQ(31208)=0.99983541463497
r1= : 4.0321706330931E-12
rpunto1: = 3846056.3854527
rduepunti0 : = -1.3199928558657E+25
fil : = 488.18223063999
fipunto1 : = 7.6724390237283E+17
fi_gradi : = 27970.781448954
t1 : = 1.0809102877191E-14
tpunto1 : = 1.0005463226333
tduepunti0 : = -1.3365400616621E+15
v=v_elettrone : = 4937407.8767706
x0= : -1.3274733678981E-12
y0= : -3.8069115705322E-12

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```
*****
i=31209
k(31209)=0.9999177701568
kQ(31209)=0.99983554707535
r1= : 4.0326216935605E-12
rpunto1 : = 3844508.630262
rduepunti0 : = -1.319724109094E+25
fil : = 488.18232062136
fipunto1 : = 7.6707224624779E+17
fi_gradi : = 27970.786604506
t1 : = 1.0809102994534E-14
tpunto1 : = 1.0005461659838
tduepunti0 : = -1.3357029708954E+15
v=v_elettrone : = 4935984.4227663
x0= : -1.3272792711551E-12
y0= : -3.807457123953E-12
*****
i=31210
k(31210)=0.99991783634231
kQ(31210)=0.9998356794355
r1= : 4.0330725725091E-12
rpunto1 : = 3842961.1900319
rduepunti0 : = -1.3194555516653E+25
fil : = 488.18241058259
fipunto1 : = 7.6690071677926E+17
fi_gradi : = 27970.791758905
t1 : = 1.0809103111877E-14
tpunto1 : = 1.0005460094324
tduepunti0 : = -1.3348664514183E+15
v=v_elettrone : = 4934561.449051
x0= : -1.3270851039326E-12
y0= : -3.8080024750904E-12
*****
i=31211
k(31211)=0.99991790248772
kQ(31211)=0.99983581171545
r1= : 4.033523269976E-12
rpunto1 : = 3841414.0645406
rduepunti0 : = -1.3191871834272E+25
fil : = 488.1825005237
fipunto1 : = 7.6672931385794E+17
fi_gradi : = 27970.796912151
t1 : = 1.0809103229219E-14
tpunto1 : = 1.000545852979
tduepunti0 : = -1.3340305026228E+15
v=v_elettrone : = 4933138.9557033
x0= : -1.3268908662646E-12
y0= : -3.8085476239833E-12
*****
i=31212
k(31212)=0.99991796859305
kQ(31212)=0.99983594391526
r1= : 4.0339737859981E-12
rpunto1 : = 3839867.2535663
rduepunti0 : = -1.3189190042274E+25
fil : = 488.18259044471
fipunto1 : = 7.6655803737466E+17
fi_gradi : = 27970.802064246
t1 : = 1.0809103346562E-14
tpunto1 : = 1.0005456966236
tduepunti0 : = -1.3331951239015E+15
v=v_elettrone : = 4931716.944045
x0= : -1.3266965581851E-12
y0= : -3.8090925706706E-12
```

```

*****
i=31213
k(31213)=0.99991803465833
kQ(31213)=0.99983607603498
r1= : 4.0344241206121E-12
rpunto1: = 3838320.7568876
rduepunti0 : = -1.318651013914E+25
fil : = 488.18268034564
fipunto1 : = 7.6638688722038E+17
fi_gradi : = 27970.807215189
t1 : = 1.0809103463905E-14
tpunto1 : = 1.0005455403661
tduepunti0 : = -1.3323603146478E+15
v=v_elettrone : = 4930295.4116898
x0= : -1.3265021797279E-12
y0= : -3.8096373151911E-12
*****
i=31214
k(31214)=0.99991810068359
kQ(31214)=0.99983620807467
r1= : 4.0348742738551E-12
rpunto1: = 3836774.5742831
rduepunti0 : = -1.3183832123352E+25
fil : = 488.18277022649
fipunto1 : = 7.6621586328619E+17
fi_gradi : = 27970.812364983
t1 : = 1.0809103581247E-14
tpunto1 : = 1.0005453842065
tduepunti0 : = -1.3315260742561E+15
v=v_elettrone : = 4928874.3599581
x0= : -1.3263077309269E-12
y0= : -3.8101818575838E-12
*****
i=31215
k(31215)=0.99991816666884
kQ(31215)=0.99983634003437
r1= : 4.0353242457638E-12
rpunto1: = 3835228.7055316
rduepunti0 : = -1.3181155993393E+25
fil : = 488.18286008729
fipunto1 : = 7.6604496546333E+17
fi_gradi : = 27970.817513627
t1 : = 1.080910369859E-14
tpunto1 : = 1.0005452281446
tduepunti0 : = -1.3306924021212E+15
v=v_elettrone : = 4927453.7877196
x0= : -1.326113211816E-12
y0= : -3.8107261978873E-12
*****
i=31216
k(31216)=0.99991823261411
kQ(31216)=0.99983647191413
r1= : 4.035774036375E-12
rpunto1: = 3833683.1504121
rduepunti0 : = -1.3178481747748E+25
fil : = 488.18294992804
fipunto1 : = 7.6587419364315E+17
fi_gradi : = 27970.822661123
t1 : = 1.0809103815933E-14
tpunto1 : = 1.0005450721805
tduepunti0 : = -1.3298592976391E+15
v=v_elettrone : = 4926033.6962712
x0= : -1.325918622429E-12
y0= : -3.8112703361405E-12

```



```
*****
i=31217
k(31217)=0.99991829851944
kQ(31217)=0.99983660371402
r1= : 4.0362236457255E-12
rpunto1: = 3832137.9087039
rduepunti0 : = -1.3175809384905E+25
fil : = 488.18303974876
fipunto1 : = 7.6570354771714E+17
fi_gradi : = 27970.827807471
t1 : = 1.0809103933275E-14
tpunto1 : = 1.000544916314
tduepunti0 : = -1.3290267602062E+15
v=v_elettrone : = 4924614.0832482
x0= : -1.3257239627997E-12
y0= : -3.8118142723823E-12
*****
i=31218
k(31218)=0.99991836438485
kQ(31218)=0.99983673543406
r1= : 4.0366730738521E-12
rpunto1: = 3830592.9801862
rduepunti0 : = -1.3173138903351E+25
fil : = 488.18312954947
fipunto1 : = 7.6553302757694E+17
fi_gradi : = 27970.832952673
t1 : = 1.0809104050618E-14
tpunto1 : = 1.000544760545
tduepunti0 : = -1.3281947892199E+15
v=v_elettrone : = 4923194.951187
x0= : -1.325529232962E-12
y0= : -3.8123580066511E-12
*****
i=31219
k(31219)=0.99991843021035
kQ(31219)=0.99983686707433
r1= : 4.0371223207915E-12
rpunto1: = 3829048.3646387
rduepunti0 : = -1.3170470301578E+25
fil : = 488.18321933019
fipunto1 : = 7.6536263311429E+17
fi_gradi : = 27970.838096729
t1 : = 1.080910416796E-14
tpunto1 : = 1.0005446048736
tduepunti0 : = -1.3273633840783E+15
v=v_elettrone : = 4921776.2964912
x0= : -1.3253344329494E-12
y0= : -3.8129015389859E-12
*****
i=31220
k(31220)=0.99991849599598
kQ(31220)=0.99983699863487
r1= : 4.0375713865804E-12
rpunto1: = 3827504.061841
rduepunti0 : = -1.3167803578077E+25
fil : = 488.18330909092
fipunto1 : = 7.6519236422109E+17
fi_gradi : = 27970.84323964
t1 : = 1.0809104285303E-14
tpunto1 : = 1.0005444492996
tduepunti0 : = -1.3265325441803E+15
v=v_elettrone : = 4920358.121702
x0= : -1.325139562796E-12
y0= : -3.8134448694253E-12
```

```
*****
i=31221
k(31221)=0.99991856174177
kQ(31221)=0.99983713011573
r1= : 4.0380202712555E-12
rpunto1: = 3825960.071573
rduepunti0 : = -1.3165138731343E+25
fil : = 488.18339883168
fipunto1 : = 7.6502222078936E+17
fi_gradi : = 27970.848381407
t1 : = 1.0809104402646E-14
tpunto1 : = 1.0005442938229
tduepunti0 : = -1.3257022689254E+15
v=v_elettrone : = 4918940.4269103
x0= : -1.3249446225353E-12
y0= : -3.8139879980078E-12
*****
i=31222
k(31222)=0.99991862744773
kQ(31222)=0.99983726151696
r1= : 4.0384689748535E-12
rpunto1: = 3824416.3936149
rduepunti0 : = -1.3162475759871E+25
fil : = 488.18348855248
fipunto1 : = 7.6485220271123E+17
fi_gradi : = 27970.85352203
t1 : = 1.0809104519988E-14
tpunto1 : = 1.0005441384436
tduepunti0 : = -1.3248725577142E+15
v=v_elettrone : = 4917523.2097377
x0= : -1.3247496122008E-12
y0= : -3.8145309247723E-12
*****
i=31223
k(31223)=0.9999186931139
kQ(31223)=0.99983739283861
r1= : 4.0389174974109E-12
rpunto1: = 3822873.0277468
rduepunti0 : = -1.3159814662159E+25
fil : = 488.18357825335
fipunto1 : = 7.6468230987901E+17
fi_gradi : = 27970.858661512
t1 : = 1.0809104637331E-14
tpunto1 : = 1.0005439831615
tduepunti0 : = -1.3240434099477E+15
v=v_elettrone : = 4916106.4702696
x0= : -1.3245545318264E-12
y0= : -3.8150736497572E-12
*****
i=31224
k(31224)=0.9999187587403
kQ(31224)=0.99983752408074
r1= : 4.0393658389643E-12
rpunto1: = 3821329.9737493
rduepunti0 : = -1.3157155436705E+25
fil : = 488.18366793429
fipunto1 : = 7.645125421851E+17
fi_gradi : = 27970.863799851
t1 : = 1.0809104754673E-14
tpunto1 : = 1.0005438279766
tduepunti0 : = -1.3232148250279E+15
v=v_elettrone : = 4914690.2098154
x0= : -1.3243593814459E-12
y0= : -3.8156161730011E-12
```

```
*****
i=31225
k(31225)=0.99991882432695
kQ(31225)=0.99983765524339
r1= : 4.0398139995504E-12
rpunto1 : = 3819787.2314028
rduepunti0 : = -1.315449808201E+25
fil : = 488.18375759533
fipunto1 : = 7.6434289952204E+17
fi_gradi : = 27970.86893705
t1 : = 1.0809104872016E-14
tpunto1 : = 1.0005436728888
tduepunti0 : = -1.3223868023575E+15
v=v_elettrone : = 4913274.4284628
x0= : -1.3241641610927E-12
y0= : -3.8161584945426E-12
*****
i=31226
k(31226)=0.99991888987388
kQ(31226)=0.99983778632661
r1= : 4.0402619792057E-12
rpunto1 : = 3818244.8004881
rduepunti0 : = -1.3151842596578E+25
fil : = 488.18384723646
fipunto1 : = 7.6417338178251E+17
fi_gradi : = 27970.874073109
t1 : = 1.0809104989358E-14
tpunto1 : = 1.0005435178981
tduepunti0 : = -1.32155934134E+15
v=v_elettrone : = 4911859.123849
x0= : -1.3239688708004E-12
y0= : -3.8167006144202E-12
*****
i=31227
k(31227)=0.99991895538112
kQ(31227)=0.99983791733046
r1= : 4.0407097779668E-12
rpunto1 : = 3816702.6807863
rduepunti0 : = -1.3149188978911E+25
fil : = 488.18393685772
fipunto1 : = 7.6400398885931E+17
fi_gradi : = 27970.879208028
t1 : = 1.08091051067E-14
tpunto1 : = 1.0005433630043
tduepunti0 : = -1.3207324413796E+15
v=v_elettrone : = 4910444.2972731
x0= : -1.3237735106026E-12
y0= : -3.8172425326723E-12
*****
i=31228
k(31228)=0.99991902084868
kQ(31228)=0.99983804825499
r1= : 4.04115739587E-12
rpunto1 : = 3815160.8720784
rduepunti0 : = -1.3146537227517E+25
fil : = 488.18402645911
fipunto1 : = 7.6383472064538E+17
fi_gradi : = 27970.88434181
t1 : = 1.0809105224043E-14
tpunto1 : = 1.0005432082074
tduepunti0 : = -1.3199061018812E+15
v=v_elettrone : = 4909029.9475944
x0= : -1.3235780805328E-12
y0= : -3.8177842493375E-12
```

```

*****
i=31229
k(31229)=0.99991908627661
kQ(31229)=0.99983817910024
r1= : 4.0416048329519E-12
rpunto1 : = 3813619.3741458
rduepunti0 : = -1.3143887340902E+25
fil : = 488.18411604064
fipunto1 : = 7.6366557703379E+17
fi_gradi : = 27970.889474454
t1 : = 1.0809105341385E-14
tpunto1 : = 1.0005430535074
tduepunti0 : = -1.3190803222507E+15
v=v_elettrone : = 4907616.0761282
x0= : -1.3233825806248E-12
y0= : -3.818325764454E-12
*****
i=31230
k(31230)=0.99991915166491
kQ(31230)=0.99983830986627
r1= : 4.042052089249E-12
rpunto1 : = 3812078.1867699
rduepunti0 : = -1.3141239317577E+25
fil : = 488.18420560235
fipunto1 : = 7.6349655791772E+17
fi_gradi : = 27970.894605961
t1 : = 1.0809105458728E-14
tpunto1 : = 1.0005428989042
tduepunti0 : = -1.3182551018944E+15
v=v_elettrone : = 4906202.6817371
x0= : -1.3231870109119E-12
y0= : -3.8188670780605E-12
*****
i=31231
k(31231)=0.99991921701362
kQ(31231)=0.99983844055313
r1= : 4.0424991647976E-12
rpunto1 : = 3810537.3097323
rduepunti0 : = -1.3138593156051E+25
fil : = 488.18429514422
fipunto1 : = 7.6332766319051E+17
fi_gradi : = 27970.899736333
t1 : = 1.080910557607E-14
tpunto1 : = 1.0005427443977
tduepunti0 : = -1.3174304402197E+15
v=v_elettrone : = 4904789.7632621
x0= : -1.3229913714275E-12
y0= : -3.8194081901952E-12
*****
i=31232
k(31232)=0.99991928232276
kQ(31232)=0.99983857116087
r1= : 4.0429460596342E-12
rpunto1 : = 3808996.742815
rduepunti0 : = -1.3135948854839E+25
fil : = 488.1843846663
fipunto1 : = 7.631588927456E+17
fi_gradi : = 27970.90486557
t1 : = 1.0809105693412E-14
tpunto1 : = 1.0005425899878
tduepunti0 : = -1.3166063366346E+15
v=v_elettrone : = 4903377.3232609
x0= : -1.3227956622054E-12
y0= : -3.8199491008965E-12

```

```
*****
i=31233
k(31233)=0.99991934759236
kQ(31233)=0.99983870168953
r1= : 4.0433927737951E-12
rpunto1: = 3807456.4857998
rduepunti0 : = -1.3133306412454E+25
fil : = 488.18447416857
fipunto1 : = 7.6299024647657E+17
fi_gradi : = 27970.909993673
t1 : = 1.0809105810755E-14
tpunto1 : = 1.0005424356745
tduepunti0 : = -1.3157827905477E+15
v=v_elettrone : = 4901965.3593464
x0= : -1.3225998832787E-12
y0= : -3.8204898102027E-12
*****
i=31234
k(31234)=0.99991941282244
kQ(31234)=0.99983883213918
r1= : 4.0438393073167E-12
rpunto1: = 3805916.538469
rduepunti0 : = -1.3130665827414E+25
fil : = 488.18456365107
fipunto1 : = 7.6282172427715E+17
fi_gradi : = 27970.915120642
t1 : = 1.0809105928097E-14
tpunto1 : = 1.0005422814577
tduepunti0 : = -1.3149598013688E+15
v=v_elettrone : = 4900553.8703785
x0= : -1.3224040346808E-12
y0= : -3.8210303181522E-12
*****
i=31235
k(31235)=0.99991947801303
kQ(31235)=0.99983896250985
r1= : 4.0442856602352E-12
rpunto1: = 3804376.9006049
rduepunti0 : = -1.3128027098234E+25
fil : = 488.18465311381
fipunto1 : = 7.6265332604117E+17
fi_gradi : = 27970.920246479
t1 : = 1.0809106045439E-14
tpunto1 : = 1.0005421273374
tduepunti0 : = -1.3141373685079E+15
v=v_elettrone : = 4899142.8589066
x0= : -1.3222081164455E-12
y0= : -3.8215706247831E-12
*****
i=31236
k(31236)=0.99991954316415
kQ(31236)=0.9998390928016
r1= : 4.0447318325871E-12
rpunto1: = 3802837.57199
rduepunti0 : = -1.3125390223437E+25
fil : = 488.18474255679
fipunto1 : = 7.624850516626E+17
fi_gradi : = 27970.925371185
t1 : = 1.0809106162782E-14
tpunto1 : = 1.0005419733135
tduepunti0 : = -1.3133154913762E+15
v=v_elettrone : = 4897732.3237802
x0= : -1.3220121286059E-12
y0= : -3.8221107301337E-12
```

```
*****
i=31237
k(31237)=0.99991960827583
kQ(31237)=0.99983922301448
r1= : 4.0451778244085E-12
rpunto1: = 3801298.552407
rduepunti0 : = -1.3122755201541E+25
fil : = 488.18483198004
fipunto1 : = 7.6231690103553E+17
fi_gradi : = 27970.93049476
t1 : = 1.0809106280124E-14
tpunto1 : = 1.0005418193859
tduepunti0 : = -1.3124941693854E+15
v=v_elettrone : = 4896322.2638535
x0= : -1.3218160711953E-12
y0= : -3.8226506342423E-12
*****
i=31238
k(31238)=0.99991967334809
kQ(31238)=0.99983935314854
r1= : 4.0456236357357E-12
rpunto1: = 3799759.8416389
rduepunti0 : = -1.3120122031072E+25
fil : = 488.18492138357
fipunto1 : = 7.621488740542E+17
fi_gradi : = 27970.935617205
t1 : = 1.0809106397466E-14
tpunto1 : = 1.0005416655546
tduepunti0 : = -1.3116734019479E+15
v=v_elettrone : = 4894912.6804292
x0= : -1.3216199442472E-12
y0= : -3.823190337147E-12
*****
i=31239
k(31239)=0.99991973838095
kQ(31239)=0.99983948320384
r1= : 4.0460692666049E-12
rpunto1: = 3798221.4394686
rduepunti0 : = -1.3117490710552E+25
fil : = 488.1850107674
fipunto1 : = 7.6198097061296E+17
fi_gradi : = 27970.940738521
t1 : = 1.0809106514808E-14
tpunto1 : = 1.0005415118194
tduepunti0 : = -1.3108531884772E+15
v=v_elettrone : = 4893503.5711545
x0= : -1.3214237477946E-12
y0= : -3.823729838886E-12
*****
i=31240
k(31240)=0.99991980337445
kQ(31240)=0.99983961318041
r1= : 4.0465147170523E-12
rpunto1: = 3796683.3456793
rduepunti0 : = -1.3114861238509E+25
fil : = 488.18510013153
fipunto1 : = 7.6181319060629E+17
fi_gradi : = 27970.945858708
t1 : = 1.080910663215E-14
tpunto1 : = 1.0005413581804
tduepunti0 : = -1.3100335283871E+15
v=v_elettrone : = 4892094.9385728
x0= : -1.3212274818712E-12
y0= : -3.8242691394975E-12
```

```
*****
i=31241
k(31241)=0.99991986832861
kQ(31241)=0.99983974307831
r1= : 4.046959987114E-12
rpunto1 : = 3795145.5600544
rduepunti0 : = -1.3112233613471E+25
fil : = 488.18518947599
fipunto1 : = 7.616455339288E+17
fi_gradi : = 27970.950977768
t1 : = 1.0809106749493E-14
tpunto1 : = 1.0005412046374
tduepunti0 : = -1.3092144210924E+15
v=v_elettrone : = 4890686.7802855
x0= : -1.3210311465099E-12
y0= : -3.8248082390195E-12
*****
i=31242
k(31242)=0.99991993324345
kQ(31242)=0.99983987289759
r1= : 4.0474050768263E-12
rpunto1 : = 3793608.0823776
rduepunti0 : = -1.3109607833967E+25
fil : = 488.18527880078
fipunto1 : = 7.6147800047522E+17
fi_gradi : = 27970.956095702
t1 : = 1.0809106866835E-14
tpunto1 : = 1.0005410511905
tduepunti0 : = -1.3083958660087E+15
v=v_elettrone : = 4889279.0976222
x0= : -1.3208347417441E-12
y0= : -3.8253471374901E-12
*****
i=31243
k(31243)=0.999919998119
kQ(31243)=0.99984000263829
r1= : 4.0478499862252E-12
rpunto1 : = 3792070.9124324
rduepunti0 : = -1.3106983898529E+25
fil : = 488.18536810592
fipunto1 : = 7.6131059014043E+17
fi_gradi : = 27970.96121251
t1 : = 1.0809106984177E-14
tpunto1 : = 1.0005408978395
tduepunti0 : = -1.3075778625521E+15
v=v_elettrone : = 4887871.8894371
x0= : -1.320638267607E-12
y0= : -3.8258858349475E-12
*****
i=31244
k(31244)=0.99992006295528
kQ(31244)=0.99984013230048
r1= : 4.0482947153469E-12
rpunto1 : = 3790534.0500029
rduepunti0 : = -1.310436180569E+25
fil : = 488.18545739143
fipunto1 : = 7.6114330281941E+17
fi_gradi : = 27970.966328193
t1 : = 1.0809107101519E-14
tpunto1 : = 1.0005407445843
tduepunti0 : = -1.3067604101397E+15
v=v_elettrone : = 4886465.1558152
x0= : -1.3204417241317E-12
y0= : -3.8264243314295E-12
```

```
*****
i=31245
k(31245)=0.99992012775231
kQ(31245)=0.9998402618842
r1= : 4.0487392642273E-12
rpunto1: = 3788997.4948731
rduepunti0 : = -1.3101741553985E+25
fil : = 488.18554665733
fipunto1 : = 7.6097613840728E+17
fi_gradi : = 27970.971442752
t1 : = 1.0809107218861E-14
tpunto1 : = 1.000540591425
tduepunti0 : = -1.3059435081891E+15
v=v_elettrone : = 4885058.8955927
x0= : -1.3202451113514E-12
y0= : -3.8269626269743E-12
*****
i=31246
k(31246)=0.99992019251013
kQ(31246)=0.99984039138949
r1= : 4.0491836329025E-12
rpunto1: = 3787461.2468272
rduepunti0 : = -1.3099123141949E+25
fil : = 488.18563590361
fipunto1 : = 7.6080909679929E+17
fi_gradi : = 27970.976556187
t1 : = 1.0809107336203E-14
tpunto1 : = 1.0005404383613
tduepunti0 : = -1.3051271561188E+15
v=v_elettrone : = 4883653.1113456
x0= : -1.3200484292995E-12
y0= : -3.8275007216197E-12
*****
i=31247
k(31247)=0.99992025722875
kQ(31247)=0.99984052081642
r1= : 4.0496278214086E-12
rpunto1: = 3785925.3056497
rduepunti0 : = -1.3096506568123E+25
fil : = 488.18572513031
fipunto1 : = 7.6064217789082E+17
fi_gradi : = 27970.981668501
t1 : = 1.0809107453545E-14
tpunto1 : = 1.0005402853934
tduepunti0 : = -1.304311353348E+15
v=v_elettrone : = 4882247.7994369
x0= : -1.3198516780089E-12
y0= : -3.8280386154038E-12
*****
i=31248
k(31248)=0.99992032190821
kQ(31248)=0.99984065016502
r1= : 4.0500718297815E-12
rpunto1: = 3784389.6711251
rduepunti0 : = -1.3093891831044E+25
fil : = 488.18581433743
fipunto1 : = 7.6047538157735E+17
fi_gradi : = 27970.986779692
t1 : = 1.0809107570887E-14
tpunto1 : = 1.0005401325211
tduepunti0 : = -1.3034960992966E+15
v=v_elettrone : = 4880842.9624278
x0= : -1.3196548575127E-12
y0= : -3.8285763083644E-12
```



```
*****
i=31249
k(31249)=0.99992038654852
kQ(31249)=0.99984077943535
r1= : 4.0505156580572E-12
rpunto1: = 3782854.3430383
rduepunti0 : = -1.3091278929254E+25
fil : = 488.18590352499
fipunto1 : = 7.6030870775452E+17
fi_gradi : = 27970.991889763
t1 : = 1.0809107688229E-14
tpunto1 : = 1.0005399797443
tduepunti0 : = -1.3026813933853E+15
v=v_elettrone : = 4879438.5991763
x0= : -1.3194579678441E-12
y0= : -3.8291138005395E-12
*****
i=31250
k(31250)=0.99992045114972
kQ(31250)=0.99984090862746
r1= : 4.0509593062716E-12
rpunto1: = 3781319.321174
rduepunti0 : = -1.3088667861297E+25
fil : = 488.185992693
fipunto1 : = 7.6014215631807E+17
fi_gradi : = 27970.996998713
t1 : = 1.0809107805571E-14
tpunto1 : = 1.000539827063
tduepunti0 : = -1.3018672350355E+15
v=v_elettrone : = 4878034.708518
x0= : -1.319261009036E-12
y0= : -3.829651091967E-12
*****
i=31251
k(31251)=0.99992051571182
kQ(31251)=0.99984103774139
r1= : 4.0514027744606E-12
rpunto1: = 3779784.6053176
rduepunti0 : = -1.3086058625718E+25
fil : = 488.18608184148
fipunto1 : = 7.5997572716389E+17
fi_gradi : = 27971.002106545
t1 : = 1.0809107922913E-14
tpunto1 : = 1.0005396744772
tduepunti0 : = -1.3010536236694E+15
v=v_elettrone : = 4876631.2917817
x0= : -1.3190639811216E-12
y0= : -3.8301881826845E-12
*****
i=31252
k(31252)=0.99992058023485
kQ(31252)=0.9998411667772
r1= : 4.0518460626602E-12
rpunto1: = 3778250.1952541
rduepunti0 : = -1.3083451221062E+25
fil : = 488.18617097044
fipunto1 : = 7.5980942018797E+17
fi_gradi : = 27971.007213258
t1 : = 1.0809108040255E-14
tpunto1 : = 1.0005395219867
tduepunti0 : = -1.3002405587097E+15
v=v_elettrone : = 4875228.3490464
x0= : -1.3188668841338E-12
y0= : -3.83072507273E-12
```

```
*****
i=31253
k(31253)=0.99992064471883
kQ(31253)=0.99984129573493
r1= : 4.0522891709062E-12
rpunto1: = 3776716.0907691
rduepunti0 : = -1.3080845645879E+25
fil : = 488.1862600799
fipunto1 : = 7.5964323528644E+17
fi_gradi : = 27971.012318854
t1 : = 1.0809108157597E-14
tpunto1 : = 1.0005393695914
tduepunti0 : = -1.2994280395801E+15
v=v_elettrone : = 4873825.8779418
x0= : -1.3186697181055E-12
y0= : -3.8312617621414E-12
*****
i=31254
k(31254)=0.9999207091638
kQ(31254)=0.99984142461464
r1= : 4.0527320992344E-12
rpunto1: = 3775182.2916481
rduepunti0 : = -1.3078241898717E+25
fil : = 488.18634916986
fipunto1 : = 7.5947717235557E+17
fi_gradi : = 27971.017423333
t1 : = 1.0809108274939E-14
tpunto1 : = 1.0005392172914
tduepunti0 : = -1.2986160657049E+15
v=v_elettrone : = 4872423.8797698
x0= : -1.3184724830698E-12
y0= : -3.8317982509563E-12
*****
i=31255
k(31255)=0.99992077356977
kQ(31255)=0.99984155341637
r1= : 4.0531748476807E-12
rpunto1: = 3773648.797677
rduepunti0 : = -1.3075639978128E+25
fil : = 488.18643824035
fipunto1 : = 7.5931123129171E+17
fi_gradi : = 27971.022526696
t1 : = 1.0809108392281E-14
tpunto1 : = 1.0005390650866
tduepunti0 : = -1.2978046365091E+15
v=v_elettrone : = 4871022.3546157
x0= : -1.3182751790598E-12
y0= : -3.8323345392124E-12
*****
i=31256
k(31256)=0.99992083793677
kQ(31256)=0.99984168214017
r1= : 4.0536174162808E-12
rpunto1: = 3772115.6086417
rduepunti0 : = -1.3073039882665E+25
fil : = 488.18652729138
fipunto1 : = 7.5914541199139E+17
fi_gradi : = 27971.027628944
t1 : = 1.0809108509623E-14
tpunto1 : = 1.0005389129769
tduepunti0 : = -1.2969937514186E+15
v=v_elettrone : = 4869621.3013444
x0= : -1.3180778061081E-12
y0= : -3.8328706269474E-12
```

```
*****
i=31257
k(31257)=0.99992090226482
kQ(31257)=0.9998418107861
r1= : 4.0540598050704E-12
rpunto1: = 3770582.7243283
rduepunti0 : = -1.3070441610883E+25
fil : = 488.18661632296
fipunto1 : = 7.5897971435123E+17
fi_gradi : = 27971.032730078
t1 : = 1.0809108626965E-14
tpunto1 : = 1.0005387609622
tduepunti0 : = -1.2961834098598E+15
v=v_elettrone : = 4868220.7212643
x0= : -1.3178803642479E-12
y0= : -3.8334065141992E-12
*****
i=31258
k(31258)=0.99992096655396
kQ(31258)=0.9998419393542
r1= : 4.0545020140854E-12
rpunto1: = 3769050.1445231
rduepunti0 : = -1.3067845161339E+25
fil : = 488.18670533511
fipunto1 : = 7.5881413826798E+17
fi_gradi : = 27971.037830099
t1 : = 1.0809108744307E-14
tpunto1 : = 1.0005386090424
tduepunti0 : = -1.2953736112599E+15
v=v_elettrone : = 4866820.6119894
x0= : -1.3176828535118E-12
y0= : -3.8339422010052E-12
*****
i=31259
k(31259)=0.99992103080419
kQ(31259)=0.99984206784452
r1= : 4.0549440433615E-12
rpunto1: = 3767517.8690126
rduepunti0 : = -1.306525053259E+25
fil : = 488.18679432784
fipunto1 : = 7.5864868363852E+17
fi_gradi : = 27971.042929007
t1 : = 1.0809108861649E-14
tpunto1 : = 1.0005384572176
tduepunti0 : = -1.294564355047E+15
v=v_elettrone : = 4865420.9760785
x0= : -1.317485273933E-12
y0= : -3.8344776874032E-12
*****
i=31260
k(31260)=0.99992109501555
kQ(31260)=0.9998421962571
r1= : 4.0553858929343E-12
rpunto1: = 3765985.8975834
rduepunti0 : = -1.3062657723195E+25
fil : = 488.18688330117
fipunto1 : = 7.5848335035985E+17
fi_gradi : = 27971.048026803
t1 : = 1.0809108978991E-14
tpunto1 : = 1.0005383054877
tduepunti0 : = -1.2937556406497E+15
v=v_elettrone : = 4864021.8111461
x0= : -1.3172876255439E-12
y0= : -3.8350129734307E-12
```

```
*****
i=31261
k(31261)=0.99992115918807
kQ(31261)=0.99984232459201
r1= : 4.0558275628395E-12
rpunto1: = 3764454.2300222
rduepunti0 : = -1.3060066731717E+25
fil : = 488.18697225511
fipunto1 : = 7.5831813832909E+17
fi_gradi : = 27971.053123488
t1 : = 1.0809109096333E-14
tpunto1 : = 1.0005381538525
tduepunti0 : = -1.2929474674973E+15
v=v_elettrone : = 4862623.1172761
x0= : -1.3170899083776E-12
y0= : -3.8355480591254E-12
*****
i=31262
k(31262)=0.99992122332176
kQ(31262)=0.99984245284928
r1= : 4.0562690531127E-12
rpunto1: = 3762922.8661162
rduepunti0 : = -1.3057477556718E+25
fil : = 488.18706118967
fipunto1 : = 7.5815304744351E+17
fi_gradi : = 27971.058219063
t1 : = 1.0809109213674E-14
tpunto1 : = 1.000538002312
tduepunti0 : = -1.2921398350201E+15
v=v_elettrone : = 4861224.8945415
x0= : -1.3168921224668E-12
y0= : -3.8360829445247E-12
*****
i=31263
k(31263)=0.99992128741665
kQ(31263)=0.99984258102897
r1= : 4.0567103637895E-12
rpunto1: = 3761391.8056523
rduepunti0 : = -1.3054890196762E+25
fil : = 488.18715010487
fipunto1 : = 7.5798807760046E+17
fi_gradi : = 27971.063313528
t1 : = 1.0809109331016E-14
tpunto1 : = 1.0005378508662
tduepunti0 : = -1.2913327426488E+15
v=v_elettrone : = 4859827.1442812
x0= : -1.3166942678445E-12
y0= : -3.8366176296661E-12
*****
i=31264
k(31264)=0.99992135147277
kQ(31264)=0.99984270913112
r1= : 4.0571514949056E-12
rpunto1: = 3759861.048418
rduepunti0 : = -1.3052304650417E+25
fil : = 488.18723900072
fipunto1 : = 7.5782322869746E+17
fi_gradi : = 27971.068406886
t1 : = 1.0809109448358E-14
tpunto1 : = 1.000537699515
tduepunti0 : = -1.290526189815E+15
v=v_elettrone : = 4858429.8640925
x0= : -1.316496344543E-12
y0= : -3.8371521145873E-12
```

```
*****
i=31265
k(31265)=0.99992141549013
kQ(31265)=0.99984283715579
r1= : 4.0575924464964E-12
rpunto1: = 3758330.5942006
rduepunti0 : = -1.3049720916249E+25
fil : = 488.18732787724
fipunto1 : = 7.5765850063211E+17
fi_gradi : = 27971.073499135
t1 : = 1.08091095657E-14
tpunto1 : = 1.0005375482583
tduepunti0 : = -1.289720175951E+15
v=v_elettrone : = 4857033.0540777
x0= : -1.3162983525954E-12
y0= : -3.8376863993257E-12
*****
i=31266
k(31266)=0.99992147946877
kQ(31266)=0.99984296510302
r1= : 4.0580332185976E-12
rpunto1: = 3756800.4427878
rduepunti0 : = -1.3047138992828E+25
fil : = 488.18741673443
fipunto1 : = 7.5749389330216E+17
fi_gradi : = 27971.078590277
t1 : = 1.0809109683041E-14
tpunto1 : = 1.000537397096
tduepunti0 : = -1.2889147004897E+15
v=v_elettrone : = 4855636.7155329
x0= : -1.3161002920345E-12
y0= : -3.8382204839185E-12
*****
i=31267
k(31267)=0.99992154340871
kQ(31267)=0.99984309297286
r1= : 4.0584738112447E-12
rpunto1: = 3755270.5939674
rduepunti0 : = -1.3044558878726E+25
fil : = 488.18750557233
fipunto1 : = 7.5732940660549E+17
fi_gradi : = 27971.083680314
t1 : = 1.0809109800383E-14
tpunto1 : = 1.0005372460282
tduepunti0 : = -1.2881097628648E+15
v=v_elettrone : = 4854240.8473304
x0= : -1.3159021628926E-12
y0= : -3.8387543684034E-12
*****
i=31268
k(31268)=0.99992160730997
kQ(31268)=0.99984322076536
r1= : 4.058914224473E-12
rpunto1: = 3753741.0475274
rduepunti0 : = -1.3041980572514E+25
fil : = 488.18759439093
fipunto1 : = 7.5716504044007E+17
fi_gradi : = 27971.088769245
t1 : = 1.0809109917725E-14
tpunto1 : = 1.0005370950547
tduepunti0 : = -1.2873053625109E+15
v=v_elettrone : = 4852845.4495433
x0= : -1.3157039652027E-12
y0= : -3.8392880528177E-12
```

```
*****
i=31269
k(31269)=0.99992167117258
kQ(31269)=0.99984334848057
r1= : 4.0593544583182E-12
rpunto1: = 3752211.8032559
rduepunti0 : = -1.3039404072768E+25
fil : = 488.18768319026
fipunto1 : = 7.5700079470402E+17
fi_gradi : = 27971.093857072
t1 : = 1.0809110035066E-14
tpunto1 : = 1.0005369441755
tduepunti0 : = -1.2865014988629E+15
v=v_elettrone : = 4851450.5222599
x0= : -1.3155056989971E-12
y0= : -3.8398215371988E-12
*****
i=31270
k(31270)=0.99992173499656
kQ(31270)=0.99984347611853
r1= : 4.0597945128156E-12
rpunto1: = 3750682.8609412
rduepunti0 : = -1.3036829378063E+25
fil : = 488.18777197032
fipunto1 : = 7.5683666929558E+17
fi_gradi : = 27971.098943795
t1 : = 1.0809110152408E-14
tpunto1 : = 1.0005367933905
tduepunti0 : = -1.2856981713568E+15
v=v_elettrone : = 4850056.0643176
x0= : -1.3153073643086E-12
y0= : -3.840354821584E-12
*****
i=31271
k(31271)=0.99992179878194
kQ(31271)=0.9998436036793
r1= : 4.0602343880006E-12
rpunto1: = 3749154.2203719
rduepunti0 : = -1.3034256486976E+25
fil : = 488.18786073114
fipunto1 : = 7.5667266411311E+17
fi_gradi : = 27971.104029415
t1 : = 1.080911026975E-14
tpunto1 : = 1.0005366426996
tduepunti0 : = -1.2848953794291E+15
v=v_elettrone : = 4848662.0758091
x0= : -1.3151089611698E-12
y0= : -3.8408879060106E-12
*****
i=31272
k(31272)=0.99992186252873
kQ(31272)=0.99984373116293
r1= : 4.0606740839087E-12
rpunto1: = 3747625.8813365
rduepunti0 : = -1.3031685398088E+25
fil : = 488.18794947272
fipunto1 : = 7.5650877905507E+17
fi_gradi : = 27971.109113933
t1 : = 1.0809110387091E-14
tpunto1 : = 1.0005364921029
tduepunti0 : = -1.284093122517E+15
v=v_elettrone : = 4847268.5580641
x0= : -1.3149104896133E-12
y0= : -3.8414207905159E-12
```

```
*****
i=31273
k(31273)=0.99992192623697
kQ(31273)=0.99984385856945
r1= : 4.0611136005752E-12
rpunto1: = 3746097.8436239
rduepunti0 : = -1.3029116109978E+25
fil : = 488.18803819508
fipunto1 : = 7.5634501402008E+17
fi_gradi : = 27971.11419735
t1 : = 1.0809110504433E-14
tpunto1 : = 1.0005363416001
tduepunti0 : = -1.2832914000585E+15
v=v_elettrone : = 4845875.5086708
x0= : -1.3147119496714E-12
y0= : -3.8419534751372E-12
*****
i=31274
k(31274)=0.99992198990668
kQ(31274)=0.99984398589893
r1= : 4.0615529380353E-12
rpunto1: = 3744570.1070229
rduepunti0 : = -1.302654862123E+25
fil : = 488.18812689824
fipunto1 : = 7.5618136890686E+17
fi_gradi : = 27971.119279666
t1 : = 1.0809110621775E-14
tpunto1 : = 1.0005361911914
tduepunti0 : = -1.2824902114923E+15
v=v_elettrone : = 4844482.9289734
x0= : -1.314513341377E-12
y0= : -3.8424859599117E-12
*****
i=31275
k(31275)=0.99992205353788
kQ(31275)=0.9998441131514
r1= : 4.0619920963246E-12
rpunto1: = 3743042.6713229
rduepunti0 : = -1.3023982930426E+25
fil : = 488.1882155822
fipunto1 : = 7.5601784361425E+17
fi_gradi : = 27971.124360883
t1 : = 1.0809110739116E-14
tpunto1 : = 1.0005360408765
tduepunti0 : = -1.2816895562578E+15
v=v_elettrone : = 4843090.8178058
x0= : -1.3143146647623E-12
y0= : -3.8430182448766E-12
*****
i=31276
k(31276)=0.99992211713059
kQ(31276)=0.99984424032692
r1= : 4.0624310754782E-12
rpunto1: = 3741515.536313
rduepunti0 : = -1.3021419036154E+25
fil : = 488.18830424698
fipunto1 : = 7.5585443804121E+17
fi_gradi : = 27971.129441001
t1 : = 1.0809110856458E-14
tpunto1 : = 1.0005358906554
tduepunti0 : = -1.280889433795E+15
v=v_elettrone : = 4841699.1752441
x0= : -1.31411591986E-12
y0= : -3.843550330069E-12
```

```
*****
i=31277
k(31277)=0.99992218068485
kQ(31277)=0.99984436742554
r1= : 4.0628698755313E-12
rpunto1: = 3739988.7017828
rduepunti0 : = -1.3018856937E+25
fil : = 488.1883928926
fipunto1 : = 7.5569115208684E+17
fi_gradi : = 27971.134520021
t1 : = 1.0809110973799E-14
tpunto1 : = 1.0005357405282
tduepunti0 : = -1.2800898435447E+15
v=v_elettrone : = 4840308.0026395
x0= : -1.3139171067026E-12
y0= : -3.8440822155262E-12
*****
i=31278
k(31278)=0.99992224420067
kQ(31278)=0.9998444944473
r1= : 4.0633084965194E-12
rpunto1: = 3738462.1675218
rduepunti0 : = -1.3016296631552E+25
fil : = 488.18848151907
fipunto1 : = 7.5552798565035E+17
fi_gradi : = 27971.139597943
t1 : = 1.0809111091141E-14
tpunto1 : = 1.0005355904946
tduepunti0 : = -1.2792907849485E+15
v=v_elettrone : = 4838917.2975739
x0= : -1.3137182253224E-12
y0= : -3.8446139012853E-12
*****
i=31279
k(31279)=0.99992230767808
kQ(31279)=0.99984462139225
r1= : 4.0637469384774E-12
rpunto1: = 3736935.9333199
rduepunti0 : = -1.3013738118402E+25
fil : = 488.18857012641
fipunto1 : = 7.5536493863106E+17
fi_gradi : = 27971.14467477
t1 : = 1.0809111208482E-14
tpunto1 : = 1.0005354405547
tduepunti0 : = -1.2784922574486E+15
v=v_elettrone : = 4837527.0613753
x0= : -1.3135192757518E-12
y0= : -3.8451453873833E-12
*****
i=31280
k(31280)=0.9999223711171
kQ(31280)=0.99984474826044
r1= : 4.0641852014408E-12
rpunto1: = 3735409.9989671
rduepunti0 : = -1.3011181396141E+25
fil : = 488.18865871462
fipunto1 : = 7.5520201092842E+17
fi_gradi : = 27971.1497505
t1 : = 1.0809111325824E-14
tpunto1 : = 1.0005352907084
tduepunti0 : = -1.2776942604877E+15
v=v_elettrone : = 4836137.292911
x0= : -1.3133202580233E-12
y0= : -3.8456766738573E-12
```



```
*****
i=31281
k(31281)=0.99992243451775
kQ(31281)=0.99984487505191
r1= : 4.0646232854445E-12
rpunto1 : = 3733884.3642534
rduepunti0 : = -1.3008626463364E+25
fil : = 488.18874728373
fipunto1 : = 7.55039202442E+17
fi_gradi : = 27971.154825136
t1 : = 1.0809111443165E-14
tpunto1 : = 1.0005351409556
tduepunti0 : = -1.2768967935095E+15
v=v_elettrone : = 4834747.9934679
x0= : -1.3131211721692E-12
y0= : -3.8462077607445E-12
*****
i=31282
k(31282)=0.99992249788007
kQ(31282)=0.99984500176672
r1= : 4.0650611905238E-12
rpunto1 : = 3732359.0289692
rduepunti0 : = -1.3006073318664E+25
fil : = 488.18883583374
fipunto1 : = 7.548765130715E+17
fi_gradi : = 27971.159898678
t1 : = 1.0809111560507E-14
tpunto1 : = 1.0005349912963
tduepunti0 : = -1.2760998559584E+15
v=v_elettrone : = 4833359.1606795
x0= : -1.3129220182218E-12
y0= : -3.8467386480818E-12
*****
i=31283
k(31283)=0.99992256120408
kQ(31283)=0.99984512840492
r1= : 4.0654989167138E-12
rpunto1 : = 3730833.992905
rduepunti0 : = -1.300352196064E+25
fil : = 488.18892436467
fipunto1 : = 7.5471394271673E+17
fi_gradi : = 27971.164971127
t1 : = 1.0809111677848E-14
tpunto1 : = 1.0005348417304
tduepunti0 : = -1.2753034472792E+15
v=v_elettrone : = 4831970.7958527
x0= : -1.3127227962135E-12
y0= : -3.8472693359062E-12
*****
i=31284
k(31284)=0.99992262448979
kQ(31284)=0.99984525496654
r1= : 4.0659364640495E-12
rpunto1 : = 3729309.2558513
rduepunti0 : = -1.3000972387888E+25
fil : = 488.18901287653
fipunto1 : = 7.5455149127762E+17
fi_gradi : = 27971.170042483
t1 : = 1.080911179519E-14
tpunto1 : = 1.0005346922578
tduepunti0 : = -1.2745075669177E+15
v=v_elettrone : = 4830582.8990966
x0= : -1.3125235061768E-12
y0= : -3.8477998242547E-12
```

```
*****
i=31285
k(31285)=0.99992268773723
kQ(31285)=0.99984538145165
r1= : 4.066373832566E-12
rpunto1: = 3727784.8175989
rduepunti0 : = -1.2998424599011E+25
fil : = 488.18910136935
fipunto1 : = 7.5438915865421E+17
fi_gradi : = 27971.175112748
t1 : = 1.0809111912531E-14
tpunto1 : = 1.0005345428785
tduepunti0 : = -1.2737122143202E+15
v=v_elettrone : = 4829195.4692216
x0= : -1.3123241481436E-12
y0= : -3.8483301131642E-12
*****
i=31286
k(31286)=0.99992275094643
kQ(31286)=0.99984550786028
r1= : 4.0668110222985E-12
rpunto1: = 3726260.6779389
rduepunti0 : = -1.2995878592608E+25
fil : = 488.18918984312
fipunto1 : = 7.5422694474669E+17
fi_gradi : = 27971.180181922
t1 : = 1.0809112029872E-14
tpunto1 : = 1.0005343935924
tduepunti0 : = -1.2729173889339E+15
v=v_elettrone : = 4827808.5063375
x0= : -1.3121247221465E-12
y0= : -3.8488602026717E-12
*****
i=31287
k(31287)=0.99992281411741
kQ(31287)=0.99984563419248
r1= : 4.0672480332818E-12
rpunto1: = 3724736.8366623
rduepunti0 : = -1.2993334367284E+25
fil : = 488.18927829787
fipunto1 : = 7.5406484945533E+17
fi_gradi : = 27971.185250006
t1 : = 1.0809112147214E-14
tpunto1 : = 1.0005342443995
tduepunti0 : = -1.2721230902064E+15
v=v_elettrone : = 4826422.0105218
x0= : -1.3119252282176E-12
y0= : -3.849390092814E-12
*****
i=31288
k(31288)=0.99992287725019
kQ(31288)=0.99984576044831
r1= : 4.067684865551E-12
rpunto1: = 3723213.2935603
rduepunti0 : = -1.2990791921643E+25
fil : = 488.18936673361
fipunto1 : = 7.5390287268056E+17
fi_gradi : = 27971.190317
t1 : = 1.0809112264555E-14
tpunto1 : = 1.0005340952996
tduepunti0 : = -1.2713293175863E+15
v=v_elettrone : = 4825035.9818587
x0= : -1.3117256663892E-12
y0= : -3.849919783628E-12
```

```
*****
i=31289
k(31289)=0.99992294034481
kQ(31289)=0.9998458866278
r1= : 4.0681215191411E-12
rpunto1 : = 3721690.0484246
rduepunti0 : = -1.2988251254291E+25
fil : = 488.18945515036
fipunto1 : = 7.5374101432289E+17
fi_gradi : = 27971.195382907
t1 : = 1.0809112381896E-14
tpunto1 : = 1.0005339462928
tduepunti0 : = -1.2705360705226E+15
v=v_elettrone : = 4823650.419184
x0= : -1.3115260366934E-12
y0= : -3.8504492751506E-12
*****
i=31290
k(31290)=0.99992300340127
kQ(31290)=0.99984601273101
r1= : 4.0685579940869E-12
rpunto1 : = 3720167.1010466
rduepunti0 : = -1.2985712363836E+25
fil : = 488.18954354812
fipunto1 : = 7.5357927428299E+17
fi_gradi : = 27971.200447725
t1 : = 1.0809112499238E-14
tpunto1 : = 1.000533797379
tduepunti0 : = -1.2697433484653E+15
v=v_elettrone : = 4822265.3238425
x0= : -1.3113263391626E-12
y0= : -3.8509785674186E-12
*****
i=31291
k(31291)=0.99992306641961
kQ(31291)=0.99984613875799
r1= : 4.0689942904235E-12
rpunto1 : = 3718644.4512181
rduepunti0 : = -1.2983175248887E+25
fil : = 488.18963192691
fipunto1 : = 7.5341765246161E+17
fi_gradi : = 27971.205511457
t1 : = 1.0809112616579E-14
tpunto1 : = 1.0005336485581
tduepunti0 : = -1.2689511508649E+15
v=v_elettrone : = 4820880.6946707
x0= : -1.3111265738287E-12
y0= : -3.8515076604687E-12
*****
i=31292
k(31292)=0.99992312939984
kQ(31292)=0.99984626470878
r1= : 4.0694304081857E-12
rpunto1 : = 3717122.0987311
rduepunti0 : = -1.2980639908057E+25
fil : = 488.18972028675
fipunto1 : = 7.5325614875964E+17
fi_gradi : = 27971.210574103
t1 : = 1.080911273392E-14
tpunto1 : = 1.00053349983
tduepunti0 : = -1.2681594771725E+15
v=v_elettrone : = 4819496.5317447
x0= : -1.3109267407238E-12
y0= : -3.8520365543378E-12
```

```

*****
i=31293
k(31293)=0.999923192342
kQ(31293)=0.99984639058342
r1= : 4.0698663474084E-12
rpunto1 : = 3715600.0433776
rduepunti0 : = -1.2978106339957E+25
fil : = 488.18980862765
fipunto1 : = 7.5309476307809E+17
fi_gradi : = 27971.215635663
t1 : = 1.0809112851262E-14
tpunto1 : = 1.0005333511947
tduepunti0 : = -1.2673683268401E+15
v=v_elettrone : = 4818112.8338977
x0= : -1.3107268398802E-12
y0= : -3.8525652490625E-12
*****
i=31294
k(31294)=0.99992325524611
kQ(31294)=0.99984651638198
r1= : 4.0703021081264E-12
rpunto1 : = 3714078.2849499
rduepunti0 : = -1.2975574543201E+25
fil : = 488.18989694962
fipunto1 : = 7.5293349531807E+17
fi_gradi : = 27971.22069614
t1 : = 1.0809112968603E-14
tpunto1 : = 1.0005332026521
tduepunti0 : = -1.2665776993202E+15
v=v_elettrone : = 4816729.6024774
x0= : -1.3105268713299E-12
y0= : -3.8530937446797E-12
*****
i=31295
k(31295)=0.99992331811219
kQ(31295)=0.99984664210449
r1= : 4.0707376903746E-12
rpunto1 : = 3712556.8232405
rduepunti0 : = -1.2973044516406E+25
fil : = 488.18998525267
fipunto1 : = 7.5277234538083E+17
fi_gradi : = 27971.225755532
t1 : = 1.0809113085944E-14
tpunto1 : = 1.0005330542022
tduepunti0 : = -1.2657875940661E+15
v=v_elettrone : = 4815346.8363185
x0= : -1.3103268351051E-12
y0= : -3.8536220412259E-12
*****
i=31296
k(31296)=0.99992338094026
kQ(31296)=0.99984676775099
r1= : 4.0711730941878E-12
rpunto1 : = 3711035.6580419
rduepunti0 : = -1.2970516258189E+25
fil : = 488.19007353683
fipunto1 : = 7.5261131316774E+17
fi_gradi : = 27971.230813842
t1 : = 1.0809113203285E-14
tpunto1 : = 1.0005329058449
tduepunti0 : = -1.2649980105319E+15
v=v_elettrone : = 4813964.5355095
x0= : -1.3101267312379E-12
y0= : -3.8541501387378E-12

```

```
*****
i=31297
k(31297)=0.99992344373034
kQ(31297)=0.99984689332155
r1= : 4.0716083196007E-12
rpunto1: = 3709514.7891469
rduepunti0 : = -1.2967989767167E+25
fil : = 488.1901618021
fipunto1 : = 7.5245039858025E+17
fi_gradi : = 27971.235871069
t1 : = 1.0809113320626E-14
tpunto1 : = 1.0005327575801
tduepunti0 : = -1.264208948172E+15
v=v_elettrone : = 4812582.701379
x0= : -1.3099265597601E-12
y0= : -3.8546780372521E-12
*****
i=31298
k(31298)=0.99992350648247
kQ(31298)=0.9998470188162
r1= : 4.072043366648E-12
rpunto1: = 3707994.2163483
rduepunti0 : = -1.2965465041963E+25
fil : = 488.1902500485
fipunto1 : = 7.5228960151998E+17
fi_gradi : = 27971.240927215
t1 : = 1.0809113437968E-14
tpunto1 : = 1.0005326094078
tduepunti0 : = -1.2634204064418E+15
v=v_elettrone : = 4811201.3302576
x0= : -1.3097263207038E-12
y0= : -3.8552057368054E-12
*****
i=31299
k(31299)=0.99992356919667
kQ(31299)=0.999847144235
r1= : 4.0724782353646E-12
rpunto1: = 3706473.9394393
rduepunti0 : = -1.2962942081198E+25
fil : = 488.19033827604
fipunto1 : = 7.5212892188862E+17
fi_gradi : = 27971.245982281
t1 : = 1.0809113555309E-14
tpunto1 : = 1.0005324613279
tduepunti0 : = -1.2626323847974E+15
v=v_elettrone : = 4809820.4260109
x0= : -1.3095260141011E-12
y0= : -3.8557332374342E-12
*****
i=31300
k(31300)=0.99992363187295
kQ(31300)=0.99984726957798
r1= : 4.0729129257851E-12
rpunto1: = 3704953.9582131
rduepunti0 : = -1.2960420883496E+25
fil : = 488.19042648474
fipunto1 : = 7.5196835958802E+17
fi_gradi : = 27971.251036267
t1 : = 1.080911367265E-14
tpunto1 : = 1.0005323133404
tduepunti0 : = -1.2618448826953E+15
v=v_elettrone : = 4808439.9849294
x0= : -1.3093256399838E-12
y0= : -3.8562605391752E-12
```

```
*****
i=31301
k(31301)=0.99992369451134
kQ(31301)=0.99984739484521
r1= : 4.0733474379442E-12
rpunto1: = 3703434.272463
rduepunti0 : = -1.2957901447481E+25
fil : = 488.19051467461
fipunto1 : = 7.5180791452011E+17
fi_gradi : = 27971.256089174
t1 : = 1.0809113789991E-14
tpunto1 : = 1.0005321654452
tduepunti0 : = -1.261057899593E+15
v=v_elettrone : = 4807060.0096384
x0= : -1.309125198384E-12
y0= : -3.8567876420647E-12
*****
i=31302
k(31302)=0.99992375711187
kQ(31302)=0.99984752003671
r1= : 4.0737817718765E-12
rpunto1: = 3701914.8819826
rduepunti0 : = -1.2955383771781E+25
fil : = 488.19060284566
fipunto1 : = 7.5164758658696E+17
fi_gradi : = 27971.261141003
t1 : = 1.0809113907332E-14
tpunto1 : = 1.0005320176422
tduepunti0 : = -1.2602714349485E+15
v=v_elettrone : = 4805680.4989559
x0= : -1.3089246893335E-12
y0= : -3.8573145461395E-12
*****
i=31303
k(31303)=0.99992381967455
kQ(31303)=0.99984764515255
r1= : 4.0742159276167E-12
rpunto1: = 3700395.7865657
rduepunti0 : = -1.2952867855023E+25
fil : = 488.1906909979
fipunto1 : = 7.5148737569076E+17
fi_gradi : = 27971.266191755
t1 : = 1.0809114024673E-14
tpunto1 : = 1.0005318699314
tduepunti0 : = -1.2594854882204E+15
v=v_elettrone : = 4804301.4517215
x0= : -1.3087241128642E-12
y0= : -3.8578412514359E-12
*****
i=31304
k(31304)=0.99992388219942
kQ(31304)=0.99984777019276
r1= : 4.0746499051993E-12
rpunto1: = 3698876.986006
rduepunti0 : = -1.2950353695837E+25
fil : = 488.19077913136
fipunto1 : = 7.5132728173379E+17
fi_gradi : = 27971.27124143
t1 : = 1.0809114142014E-14
tpunto1 : = 1.0005317223127
tduepunti0 : = -1.2587000588683E+15
v=v_elettrone : = 4802922.869272
x0= : -1.3085234690081E-12
y0= : -3.8583677579905E-12
```

```
*****
i=31305
k(31305)=0.99992394468649
kQ(31305)=0.9998478951574
r1= : 4.075083704659E-12
rpunto1 : = 3697358.4800978
rduepunti0 : = -1.2947841292856E+25
fil : = 488.19086724604
fipunto1 : = 7.5116730461847E+17
fi_gradi : = 27971.27629003
t1 : = 1.0809114259355E-14
tpunto1 : = 1.000531574786
tduepunti0 : = -1.257915146352E+15
v=v_elettrone : = 4801544.7504396
x0= : -1.308322757797E-12
y0= : -3.8588940658395E-12
*****
i=31306
k(31306)=0.9999240071358
kQ(31306)=0.99984802004651
r1= : 4.0755173260304E-12
rpunto1 : = 3695840.268635
rduepunti0 : = -1.294533064471E+25
fil : = 488.19095534196
fipunto1 : = 7.5100744424733E+17
fi_gradi : = 27971.281337554
t1 : = 1.0809114376696E-14
tpunto1 : = 1.0005314273514
tduepunti0 : = -1.2571307501324E+15
v=v_elettrone : = 4800167.0953119
x0= : -1.3081219792626E-12
y0= : -3.8594201750195E-12
*****
i=31307
k(31307)=0.99992406954735
kQ(31307)=0.99984814486014
r1= : 4.0759507693478E-12
rpunto1 : = 3694322.3514121
rduepunti0 : = -1.2942821750036E+25
fil : = 488.19104341913
fipunto1 : = 7.5084770052302E+17
fi_gradi : = 27971.286384004
t1 : = 1.0809114494037E-14
tpunto1 : = 1.0005312800087
tduepunti0 : = -1.2563468696708E+15
v=v_elettrone : = 4798789.9039825
x0= : -1.307921133437E-12
y0= : -3.8599460855668E-12
*****
i=31308
k(31308)=0.99992413192118
kQ(31308)=0.99984826959833
r1= : 4.0763840346459E-12
rpunto1 : = 3692804.7282237
rduepunti0 : = -1.2940314607469E+25
fil : = 488.19113147757
fipunto1 : = 7.506880733483E+17
fi_gradi : = 27971.291429381
t1 : = 1.0809114611378E-14
tpunto1 : = 1.0005311327578
tduepunti0 : = -1.2555635044293E+15
v=v_elettrone : = 4797413.1752578
x0= : -1.3077202203518E-12
y0= : -3.8604717975178E-12
```

```
*****
i=31309
k(31309)=0.99992419425731
kQ(31309)=0.99984839426113
r1= : 4.0768171219592E-12
rpunto1 : = 3691287.3988643
rduepunti0 : = -1.2937809215645E+25
fil : = 488.19121951729
fipunto1 : = 7.5052856262604E+17
fi_gradi : = 27971.296473685
t1 : = 1.0809114728719E-14
tpunto1 : = 1.0005309855988
tduepunti0 : = -1.2547806538707E+15
v=v_elettrone : = 4796036.9105151
x0= : -1.3075192400389E-12
y0= : -3.8609973109087E-12
*****
i=31310
k(31310)=0.99992425655576
kQ(31310)=0.99984851884859
r1= : 4.0772500313221E-12
rpunto1 : = 3689770.3631288
rduepunti0 : = -1.2935305573206E+25
fil : = 488.1913075383
fipunto1 : = 7.5036916825925E+17
fi_gradi : = 27971.301516918
t1 : = 1.080911484606E-14
tpunto1 : = 1.0005308385315
tduepunti0 : = -1.2539983174583E+15
v=v_elettrone : = 4794661.1085571
x0= : -1.3073181925301E-12
y0= : -3.8615226257759E-12
*****
i=31311
k(31311)=0.99992431881656
kQ(31311)=0.99984864336076
r1= : 4.0776827627689E-12
rpunto1 : = 3688253.6208122
rduepunti0 : = -1.293280367879E+25
fil : = 488.19139554061
fipunto1 : = 7.5020989015102E+17
fi_gradi : = 27971.306559079
t1 : = 1.0809114963401E-14
tpunto1 : = 1.0005306915559
tduepunti0 : = -1.2532164946562E+15
v=v_elettrone : = 4793285.7707536
x0= : -1.3071170778571E-12
y0= : -3.8620477421557E-12
*****
i=31312
k(31312)=0.99992438103972
kQ(31312)=0.99984876779768
r1= : 4.0781153163343E-12
rpunto1 : = 3686737.1717097
rduepunti0 : = -1.293030353104E+25
fil : = 488.19148352425
fipunto1 : = 7.5005072820459E+17
fi_gradi : = 27971.31160017
t1 : = 1.0809115080742E-14
tpunto1 : = 1.0005305446719
tduepunti0 : = -1.2524351849293E+15
v=v_elettrone : = 4791910.8946527
x0= : -1.3069158960514E-12
y0= : -3.8625726600843E-12
```



```
*****
i=31313
k(31313)=0.99992444322528
kQ(31313)=0.99984889215939
r1= : 4.0785476920524E-12
rpunto1 : = 3685221.0156166
rduepunti0 : = -1.29278051286E+25
fil : = 488.19157148922
fipunto1 : = 7.4989168232329E+17
fi_gradi : = 27971.316640191
t1 : = 1.0809115198083E-14
tpunto1 : = 1.0005303978795
tduepunti0 : = -1.2516543877428E+15
v=v_elettrone : = 4790536.4816151
x0= : -1.3067146471449E-12
y0= : -3.863097379598E-12
*****
i=31314
k(31314)=0.99992450537325
kQ(31314)=0.99984901644595
r1= : 4.0789798899578E-12
rpunto1 : = 3683705.1523283
rduepunti0 : = -1.2925308470115E+25
fil : = 488.19165943553
fipunto1 : = 7.4973275241058E+17
fi_gradi : = 27971.321679144
t1 : = 1.0809115315424E-14
tpunto1 : = 1.0005302511787
tduepunti0 : = -1.2508741025629E+15
v=v_elettrone : = 4789162.5304553
x0= : -1.3065133311692E-12
y0= : -3.8636219007329E-12
*****
i=31315
k(31315)=0.99992456748367
kQ(31315)=0.9998491406574
r1= : 4.0794119100847E-12
rpunto1 : = 3682189.5816405
rduepunti0 : = -1.2922813554231E+25
fil : = 488.19174736321
fipunto1 : = 7.4957393837003E+17
fi_gradi : = 27971.326717029
t1 : = 1.0809115432765E-14
tpunto1 : = 1.0005301045692
tduepunti0 : = -1.2500943288562E+15
v=v_elettrone : = 4787789.0425329
x0= : -1.3063119481561E-12
y0= : -3.8641462235253E-12
*****
i=31316
k(31316)=0.99992462955654
kQ(31316)=0.99984926479378
r1= : 4.0798437524674E-12
rpunto1 : = 3680674.303349
rduepunti0 : = -1.2920320379597E+25
fil : = 488.19183527226
fipunto1 : = 7.4941524010532E+17
fi_gradi : = 27971.331753847
t1 : = 1.0809115550106E-14
tpunto1 : = 1.0005299580512
tduepunti0 : = -1.2493150660902E+15
v=v_elettrone : = 4786416.0166711
x0= : -1.3061104981369E-12
y0= : -3.8646703480112E-12
```

```
*****
i=31317
k(31317)=0.9999246915919
kQ(31317)=0.99984938885515
r1= : 4.0802754171403E-12
rpunto1: = 3679159.3172496
rduepunti0 : = -1.2917828944862E+25
fil : = 488.1919231627
fipunto1 : = 7.4925665752025E+17
fi_gradi : = 27971.336789598
t1 : = 1.0809115667447E-14
tpunto1 : = 1.0005298116245
tduepunti0 : = -1.248536313733E+15
v=v_elettrone : = 4785043.451696
x0= : -1.3059089811434E-12
y0= : -3.8651942742269E-12
*****
i=31318
k(31318)=0.99992475358976
kQ(31318)=0.99984951284155
r1= : 4.0807069041375E-12
rpunto1: = 3677644.6231386
rduepunti0 : = -1.2915339248678E+25
fil : = 488.19201103454
fipunto1 : = 7.4909819051874E+17
fi_gradi : = 27971.341824284
t1 : = 1.0809115784787E-14
tpunto1 : = 1.0005296652891
tduepunti0 : = -1.2477580712532E+15
v=v_elettrone : = 4783671.3489596
x0= : -1.3057073972074E-12
y0= : -3.8657180022083E-12
*****
i=31319
k(31319)=0.99992481555016
kQ(31319)=0.99984963675302
r1= : 4.0811382134935E-12
rpunto1: = 3676130.2208122
rduepunti0 : = -1.2912851289697E+25
fil : = 488.1920988878
fipunto1 : = 7.4893983900481E+17
fi_gradi : = 27971.346857904
t1 : = 1.0809115902128E-14
tpunto1 : = 1.0005295190448
tduepunti0 : = -1.2469803381203E+15
v=v_elettrone : = 4782299.708546
x0= : -1.3055057463603E-12
y0= : -3.8662415319915E-12
*****
i=31320
k(31320)=0.99992487747311
kQ(31320)=0.99984976058961
r1= : 4.0815693452423E-12
rpunto1: = 3674616.1100667
rduepunti0 : = -1.2910365066573E+25
fil : = 488.19218672249
fipunto1 : = 7.487816028826E+17
fi_gradi : = 27971.351890461
t1 : = 1.0809116019469E-14
tpunto1 : = 1.0005293728918
tduepunti0 : = -1.2462031138043E+15
v=v_elettrone : = 4780928.5292793
x0= : -1.3053040286335E-12
y0= : -3.8667648636127E-12
```

```
*****
i=31321
k(31321)=0.99992493935864
kQ(31321)=0.99984988435137
r1= : 4.0820002994182E-12
rpunto1 : = 3673102.2906989
rduepunti0 : = -1.2907880577963E+25
fil : = 488.19227453861
fipunto1 : = 7.4862348205638E+17
fi_gradi : = 27971.356921955
t1 : = 1.080911613681E-14
tpunto1 : = 1.0005292268298
tduepunti0 : = -1.2454263977758E+15
v=v_elettrone : = 4779557.8112467
x0= : -1.3051022440586E-12
y0= : -3.8672879971079E-12
*****
i=31322
k(31322)=0.99992500120677
kQ(31322)=0.99985000803835
r1= : 4.0824310760553E-12
rpunto1 : = 3671588.7625053
rduepunti0 : = -1.2905397822524E+25
fil : = 488.1923623362
fipunto1 : = 7.484654764305E+17
fi_gradi : = 27971.361952386
t1 : = 1.0809116254151E-14
tpunto1 : = 1.0005290808588
tduepunti0 : = -1.2446501895063E+15
v=v_elettrone : = 4778187.5545457
x0= : -1.3049003926673E-12
y0= : -3.867810932513E-12
*****
i=31323
k(31323)=0.99992506301752
kQ(31323)=0.99985013165058
r1= : 4.0828616751878E-12
rpunto1 : = 3670075.525283
rduepunti0 : = -1.2902916798914E+25
fil : = 488.19245011525
fipunto1 : = 7.4830758590945E+17
fi_gradi : = 27971.366981755
t1 : = 1.0809116371491E-14
tpunto1 : = 1.0005289349789
tduepunti0 : = -1.2438744884677E+15
v=v_elettrone : = 4776817.7592627
x0= : -1.3046984744908E-12
y0= : -3.868333669864E-12
*****
i=31324
k(31324)=0.99992512479091
kQ(31324)=0.99985025518813
r1= : 4.0832920968499E-12
rpunto1 : = 3668562.5788289
rduepunti0 : = -1.2900437505794E+25
fil : = 488.19253787579
fipunto1 : = 7.4814981039783E+17
fi_gradi : = 27971.372010063
t1 : = 1.0809116488832E-14
tpunto1 : = 1.0005287891898
tduepunti0 : = -1.2430992941326E+15
v=v_elettrone : = 4775448.4241991
x0= : -1.3044964895607E-12
y0= : -3.8688562091969E-12
```

```
*****
i=31325
k(31325)=0.99992518652698
kQ(31325)=0.99985037865102
r1= : 4.0837223410755E-12
rpunto1 : = 3667049.9229403
rduepunti0 : = -1.2897959941825E+25
fil : = 488.19262561782
fipunto1 : = 7.4799214980034E+17
fi_gradi : = 27971.377037311
t1 : = 1.0809116606173E-14
tpunto1 : = 1.0005286434916
tduepunti0 : = -1.2423246059745E+15
v=v_elettrone : = 4774079.5494699
x0= : -1.3042944379084E-12
y0= : -3.8693785505476E-12
*****
i=31326
k(31326)=0.99992524822574
kQ(31326)=0.99985050203931
r1= : 4.0841524078989E-12
rpunto1 : = 3665537.5574145
rduepunti0 : = -1.2895484105671E+25
fil : = 488.19271334136
fipunto1 : = 7.4783460402182E+17
fi_gradi : = 27971.3820635
t1 : = 1.0809116723513E-14
tpunto1 : = 1.0005284978842
tduepunti0 : = -1.2415504234673E+15
v=v_elettrone : = 4772711.1351562
x0= : -1.3040923195655E-12
y0= : -3.8699006939519E-12
*****
i=31327
k(31327)=0.99992530988721
kQ(31327)=0.99985062535304
r1= : 4.084582297354E-12
rpunto1 : = 3664025.482049
rduepunti0 : = -1.2893009995997E+25
fil : = 488.19280104643
fipunto1 : = 7.4767717296719E+17
fi_gradi : = 27971.38708863
t1 : = 1.0809116840854E-14
tpunto1 : = 1.0005283523675
tduepunti0 : = -1.2407767460855E+15
v=v_elettrone : = 4771343.1826059
x0= : -1.3038901345633E-12
y0= : -3.8704226394458E-12
*****
i=31328
k(31328)=0.99992537151142
kQ(31328)=0.99985074859226
r1= : 4.0850120094748E-12
rpunto1 : = 3662513.6966416
rduepunti0 : = -1.2890537611469E+25
fil : = 488.19288873303
fipunto1 : = 7.475198565415E+17
fi_gradi : = 27971.392112702
t1 : = 1.0809116958195E-14
tpunto1 : = 1.0005282069415
tduepunti0 : = -1.2400035733045E+15
v=v_elettrone : = 4769975.6893859
x0= : -1.3036878829331E-12
y0= : -3.8709443870651E-12
```

```
*****
i=31329
k(31329)=0.9999254330984
kQ(31329)=0.99985087175702
r1= : 4.0854415442955E-12
rpunto1: = 3661002.2009901
rduepunti0 : = -1.2888066950755E+25
fil : = 488.19297640118
fipunto1 : = 7.4736265464992E+17
fi_gradi : = 27971.397135717
t1 : = 1.0809117075535E-14
tpunto1 : = 1.0005280616061
tduepunti0 : = -1.2392309046001E+15
v=v_elettrone : = 4768608.6555595
x0= : -1.3034855647063E-12
y0= : -3.8714659368456E-12
*****
i=31330
k(31330)=0.99992549464815
kQ(31330)=0.99985099484735
r1= : 4.0858709018499E-12
rpunto1: = 3659490.9948923
rduepunti0 : = -1.2885598012524E+25
fil : = 488.1930640509
fipunto1 : = 7.4720556719772E+17
fi_gradi : = 27971.402157676
t1 : = 1.0809117192876E-14
tpunto1 : = 1.0005279163613
tduepunti0 : = -1.238458739449E+15
v=v_elettrone : = 4767242.0825171
x0= : -1.3032831799144E-12
y0= : -3.8719872888231E-12
*****
i=31331
k(31331)=0.99992555616072
kQ(31331)=0.99985111786332
r1= : 4.086300082172E-12
rpunto1: = 3657980.0781466
rduepunti0 : = -1.2883130795447E+25
fil : = 488.19315168219
fipunto1 : = 7.4704859409027E+17
fi_gradi : = 27971.407178579
t1 : = 1.0809117310217E-14
tpunto1 : = 1.000527771207
tduepunti0 : = -1.2376870773284E+15
v=v_elettrone : = 4765875.9690528
x0= : -1.3030807285885E-12
y0= : -3.8725084430334E-12
*****
i=31332
k(31332)=0.99992561763611
kQ(31332)=0.99985124080495
r1= : 4.0867290852958E-12
rpunto1: = 3656469.4505512
rduepunti0 : = -1.2880665298196E+25
fil : = 488.19323929507
fipunto1 : = 7.4689173523309E+17
fi_gradi : = 27971.412198428
t1 : = 1.0809117427557E-14
tpunto1 : = 1.0005276261431
tduepunti0 : = -1.2369159177161E+15
v=v_elettrone : = 4764510.3152625
x0= : -1.30287821076E-12
y0= : -3.8730293995122E-12
```

```
*****
i=31333
k(31333)=0.99992567907435
kQ(31333)=0.9998513636723
r1= : 4.0871579112552E-12
rpunto1 : = 3654959.1119046
rduepunti0 : = -1.2878201519445E+25
fil : = 488.19332688956
fipunto1 : = 7.4673499053178E+17
fi_gradi : = 27971.417217222
t1 : = 1.0809117544898E-14
tpunto1 : = 1.0005274811696
tduepunti0 : = -1.2361452600905E+15
v=v_elettrone : = 4763145.1212436
x0= : -1.3026756264601E-12
y0= : -3.8735501582953E-12
*****
i=31334
k(31334)=0.99992574047547
kQ(31334)=0.99985148646542
r1= : 4.087586560084E-12
rpunto1 : = 3653449.0620053
rduepunti0 : = -1.287573945787E+25
fil : = 488.19341446566
fipunto1 : = 7.4657835989206E+17
fi_gradi : = 27971.422234963
t1 : = 1.0809117662238E-14
tpunto1 : = 1.0005273362864
tduepunti0 : = -1.235375103931E+15
v=v_elettrone : = 4761780.3857994
x0= : -1.30247297572E-12
y0= : -3.8740707194184E-12
*****
i=31335
k(31335)=0.99992580183949
kQ(31335)=0.99985160918434
r1= : 4.0880150318162E-12
rpunto1 : = 3651939.3006521
rduepunti0 : = -1.2873279112146E+25
fil : = 488.1935020234
fipunto1 : = 7.4642184321977E+17
fi_gradi : = 27971.427251652
t1 : = 1.0809117779579E-14
tpunto1 : = 1.0005271914935
tduepunti0 : = -1.2346054487172E+15
v=v_elettrone : = 4760416.1090392
x0= : -1.3022702585711E-12
y0= : -3.8745910829171E-12
*****
i=31336
k(31336)=0.99992586316642
kQ(31336)=0.99985173182912
r1= : 4.0884433264855E-12
rpunto1 : = 3650429.827644
rduepunti0 : = -1.2870820480953E+25
fil : = 488.19358956278
fipunto1 : = 7.4626544042085E+17
fi_gradi : = 27971.432267289
t1 : = 1.0809117896919E-14
tpunto1 : = 1.0005270467908
tduepunti0 : = -1.2338362939295E+15
v=v_elettrone : = 4759052.2923054
x0= : -1.3020674750447E-12
y0= : -3.875111248827E-12
```

```
*****
i=31337
k(31337)=0.9999259244563
kQ(31337)=0.99985185439979
r1= : 4.0888714441258E-12
rpunto1 : = 3648920.64278
rduepunti0 : = -1.286836356297E+25
fil : = 488.19367708381
fipunto1 : = 7.4610915140136E+17
fi_gradi : = 27971.437281875
t1 : = 1.080911801426E-14
tpunto1 : = 1.0005269021782
tduepunti0 : = -1.2330676390492E+15
v=v_elettrone : = 4757688.9331494
x0= : -1.3018646251718E-12
y0= : -3.8756312171838E-12
*****
i=31338
k(31338)=0.99992598570915
kQ(31338)=0.99985197689641
r1= : 4.0892993847708E-12
rpunto1 : = 3647411.7458594
rduepunti0 : = -1.2865908356878E+25
fil : = 488.19376458652
fipunto1 : = 7.4595297606745E+17
fi_gradi : = 27971.442295411
t1 : = 1.08091181316E-14
tpunto1 : = 1.0005267576558
tduepunti0 : = -1.2322994835578E+15
v=v_elettrone : = 4756326.034206
x0= : -1.3016617089837E-12
y0= : -3.8761509880231E-12
*****
i=31339
k(31339)=0.99992604692498
kQ(31339)=0.99985209931902
r1= : 4.0897271484544E-12
rpunto1 : = 3645903.1366815
rduepunti0 : = -1.286345486136E+25
fil : = 488.19385207091
fipunto1 : = 7.4579691432542E+17
fi_gradi : = 27971.447307897
t1 : = 1.0809118248941E-14
tpunto1 : = 1.0005266132233
tduepunti0 : = -1.2315318269378E+15
v=v_elettrone : = 4754963.591739
x0= : -1.3014587265114E-12
y0= : -3.8766705613805E-12
*****
i=31340
k(31340)=0.99992610810383
kQ(31340)=0.99985222166766
r1= : 4.0901547352103E-12
rpunto1 : = 3644394.8150459
rduepunti0 : = -1.28610030751E+25
fil : = 488.193939537
fipunto1 : = 7.4564096608166E+17
fi_gradi : = 27971.452319335
t1 : = 1.0809118366281E-14
tpunto1 : = 1.0005264688808
tduepunti0 : = -1.2307646686721E+15
v=v_elettrone : = 4753601.6096667
x0= : -1.3012556777863E-12
y0= : -3.8771899372914E-12
```

```
*****
i=31341
k(31341)=0.9999261692457
kQ(31341)=0.99985234394239
r1= : 4.0905821450722E-12
rpunto1 : = 3642886.7807523
rduepunti0 : = -1.2858552996783E+25
fil : = 488.19402698479
fipunto1 : = 7.4548513124265E+17
fi_gradi : = 27971.457329725
t1 : = 1.0809118483622E-14
tpunto1 : = 1.0005263246283
tduepunti0 : = -1.2299980082443E+15
v=v_elettrone : = 4752240.0842614
x0= : -1.3010525628391E-12
y0= : -3.8777091157916E-12
*****
i=31342
k(31342)=0.99992623035064
kQ(31342)=0.99985246614324
r1= : 4.0910093780738E-12
rpunto1 : = 3641379.0336006
rduepunti0 : = -1.2856104625098E+25
fil : = 488.19411441432
fipunto1 : = 7.4532940971502E+17
fi_gradi : = 27971.462339067
t1 : = 1.0809118600962E-14
tpunto1 : = 1.0005261804656
tduepunti0 : = -1.2292318451388E+15
v=v_elettrone : = 4750879.0168746
x0= : -1.3008493817013E-12
y0= : -3.8782280969163E-12
*****
i=31343
k(31343)=0.99992629141865
kQ(31343)=0.99985258827026
r1= : 4.0914364342488E-12
rpunto1 : = 3639871.5733906
rduepunti0 : = -1.2853657958731E+25
fil : = 488.19420182558
fipunto1 : = 7.4517380140548E+17
fi_gradi : = 27971.467347363
t1 : = 1.0809118718303E-14
tpunto1 : = 1.0005260363927
tduepunti0 : = -1.2284661788405E+15
v=v_elettrone : = 4749518.4088662
x0= : -1.3006461344038E-12
y0= : -3.878746880701E-12
*****
i=31344
k(31344)=0.99992635244976
kQ(31344)=0.99985271032349
r1= : 4.0918633136308E-12
rpunto1 : = 3638364.3999227
rduepunti0 : = -1.2851212996375E+25
fil : = 488.19428921859
fipunto1 : = 7.4501830622086E+17
fi_gradi : = 27971.472354614
t1 : = 1.0809118835643E-14
tpunto1 : = 1.0005258924095
tduepunti0 : = -1.2277010088348E+15
v=v_elettrone : = 4748158.2565234
x0= : -1.3004428209776E-12
y0= : -3.8792654671814E-12
```



```
*****
i=31345
k(31345)=0.999926413444
kQ(31345)=0.99985283230298
r1= : 4.0922900162535E-12
rpunto1 : = 3636857.512997
rduepunti0 : = -1.2848769736719E+25
fil : = 488.19437659336
fipunto1 : = 7.4486292406811E+17
fi_gradi : = 27971.47736082
t1 : = 1.0809118952983E-14
tpunto1 : = 1.000525748516
tduepunti0 : = -1.2269363346079E+15
v=v_elettrone : = 4746798.562464
x0= : -1.3002394414539E-12
y0= : -3.8797838563927E-12
*****
i=31346
k(31346)=0.99992647440139
kQ(31346)=0.99985295420879
r1= : 4.0927165421504E-12
rpunto1 : = 3635350.9124142
rduepunti0 : = -1.2846328178457E+25
fil : = 488.19446394991
fipunto1 : = 7.4470765485428E+17
fi_gradi : = 27971.482365981
t1 : = 1.0809119070324E-14
tpunto1 : = 1.0005256047121
tduepunti0 : = -1.2261721556467E+15
v=v_elettrone : = 4745439.3267897
x0= : -1.3000359958636E-12
y0= : -3.8803020483703E-12
*****
i=31347
k(31347)=0.99992653532194
kQ(31347)=0.99985307604094
r1= : 4.0931428913553E-12
rpunto1 : = 3633844.5979747
rduepunti0 : = -1.2843888320283E+25
fil : = 488.19455128825
fipunto1 : = 7.4455249848653E+17
fi_gradi : = 27971.4873701
t1 : = 1.0809119187664E-14
tpunto1 : = 1.0005254609978
tduepunti0 : = -1.2254084714386E+15
v=v_elettrone : = 4744080.5470315
x0= : -1.2998324842376E-12
y0= : -3.8808200431497E-12
*****
i=31348
k(31348)=0.99992659620568
kQ(31348)=0.99985319779948
r1= : 4.0935690639015E-12
rpunto1 : = 3632338.5694793
rduepunti0 : = -1.2841450160893E+25
fil : = 488.19463860839
fipunto1 : = 7.4439745487212E+17
fi_gradi : = 27971.492373175
t1 : = 1.0809119305004E-14
tpunto1 : = 1.000525317373
tduepunti0 : = -1.2246452814716E+15
v=v_elettrone : = 4742722.2245552
x0= : -1.2996289066071E-12
y0= : -3.8813378407662E-12
```

```
*****
i=31349
k(31349)=0.99992665705264
kQ(31349)=0.99985331948447
r1= : 4.0939950598226E-12
rpunto1: = 3630832.826729
rduepunti0 : = -1.2839013698985E+25
fil : = 488.19472591035
fipunto1 : = 7.4424252391845E+17
fi_gradi : = 27971.497375209
t1 : = 1.0809119422345E-14
tpunto1 : = 1.0005251738377
tduepunti0 : = -1.2238825852345E+15
v=v_elettrone : = 4741364.3594582
x0= : -1.2994252630029E-12
y0= : -3.881855441255E-12
*****
i=31350
k(31350)=0.99992671786283
kQ(31350)=0.99985344109594
r1= : 4.0944208791523E-12
rpunto1: = 3629327.3695249
rduepunti0 : = -1.2836578933258E+25
fil : = 488.19481319415
fipunto1 : = 7.4408770553299E+17
fi_gradi : = 27971.502376202
t1 : = 1.0809119539685E-14
tpunto1 : = 1.0005250303917
tduepunti0 : = -1.2231203822166E+15
v=v_elettrone : = 4740006.9505518
x0= : -1.2992215534559E-12
y0= : -3.8823728446515E-12
*****
i=31351
k(31351)=0.99992677863628
kQ(31351)=0.99985356263394
r1= : 4.0948465219238E-12
rpunto1: = 3627822.1976681
rduepunti0 : = -1.2834145862411E+25
fil : = 488.19490045978
fipunto1 : = 7.4393299962335E+17
fi_gradi : = 27971.507376155
t1 : = 1.0809119657025E-14
tpunto1 : = 1.0005248870351
tduepunti0 : = -1.2223586719078E+15
v=v_elettrone : = 4738649.9991882
x0= : -1.2990177779972E-12
y0= : -3.882890050991E-12
*****
i=31352
k(31352)=0.99992683937302
kQ(31352)=0.99985368409851
r1= : 4.0952719881708E-12
rpunto1: = 3626317.3109601
rduepunti0 : = -1.2831714485146E+25
fil : = 488.19498770727
fipunto1 : = 7.4377840609724E+17
fi_gradi : = 27971.512375068
t1 : = 1.0809119774366E-14
tpunto1 : = 1.0005247437677
tduepunti0 : = -1.2215974537987E+15
v=v_elettrone : = 4737293.5029152
x0= : -1.2988139366574E-12
y0= : -3.8834070603088E-12
```

```
*****
i=31353
k(31353)=0.99992690007305
kQ(31353)=0.9998538054897
r1= : 4.0956972779267E-12
rpunto1 : = 3624812.7092023
rduepunti0 : = -1.2829284800167E+25
fil : = 488.19507493663
fipunto1 : = 7.4362392486247E+17
fi_gradi : = 27971.517372942
t1 : = 1.0809119891706E-14
tpunto1 : = 1.0005246005896
tduepunti0 : = -1.2208367273805E+15
v=v_elettrone : = 4735937.4643833
x0= : -1.2986100294677E-12
y0= : -3.8839238726399E-12
*****
i=31354
k(31354)=0.99992696073641
kQ(31354)=0.99985392680756
r1= : 4.0961223912248E-12
rpunto1 : = 3623308.3921966
rduepunti0 : = -1.2826856806178E+25
fil : = 488.19516214787
fipunto1 : = 7.4346955582697E+17
fi_gradi : = 27971.522369778
t1 : = 1.0809120009046E-14
tpunto1 : = 1.0005244575006
tduepunti0 : = -1.2200764921451E+15
v=v_elettrone : = 4734581.8811177
x0= : -1.2984060564587E-12
y0= : -3.8844404880198E-12
*****
i=31355
k(31355)=0.99992702136312
kQ(31355)=0.99985404805212
r1= : 4.0965473280985E-12
rpunto1 : = 3621804.3597446
rduepunti0 : = -1.2824430501885E+25
fil : = 488.19524934101
fipunto1 : = 7.4331529889877E+17
fi_gradi : = 27971.527365577
t1 : = 1.0809120126386E-14
tpunto1 : = 1.0005243145008
tduepunti0 : = -1.2193167475848E+15
v=v_elettrone : = 4733226.7532008
x0= : -1.2982020176613E-12
y0= : -3.8849569064834E-12
*****
i=31356
k(31356)=0.9999270819532
kQ(31356)=0.99985416922344
r1= : 4.0969720885814E-12
rpunto1 : = 3620300.6116484
rduepunti0 : = -1.2822005885995E+25
fil : = 488.19533651606
fipunto1 : = 7.4316115398601E+17
fi_gradi : = 27971.532360339
t1 : = 1.0809120243726E-14
tpunto1 : = 1.0005241715899
tduepunti0 : = -1.2185574931929E+15
v=v_elettrone : = 4731872.0820153
x0= : -1.2979979131064E-12
y0= : -3.885473128066E-12
```

```
*****
i=31357
k(31357)=0.99992714250667
kQ(31357)=0.99985429032155
r1= : 4.0973966727066E-12
rpunto1: = 3618797.1477101
rduepunti0 : = -1.2819582957219E+25
fil : = 488.19542367303
fipunto1 : = 7.4300712099696E+17
fi_gradi : = 27971.537354065
t1 : = 1.0809120361067E-14
tpunto1 : = 1.0005240287681
tduepunti0 : = -1.2177987284629E+15
v=v_elettrone : = 4730517.8663675
x0= : -1.2977937428247E-12
y0= : -3.8859891528026E-12
*****
i=31358
k(31358)=0.99992720302355
kQ(31358)=0.99985441134651
r1= : 4.0978210805075E-12
rpunto1: = 3617293.967732
rduepunti0 : = -1.2817161714265E+25
fil : = 488.19551081193
fipunto1 : = 7.4285319983995E+17
fi_gradi : = 27971.542346757
t1 : = 1.0809120478407E-14
tpunto1 : = 1.0005238860352
tduepunti0 : = -1.2170404528892E+15
v=v_elettrone : = 4729164.1063453
x0= : -1.2975895068471E-12
y0= : -3.8865049807285E-12
*****
i=31359
k(31359)=0.99992726350388
kQ(31359)=0.99985453229835
r1= : 4.0982453120174E-12
rpunto1: = 3615791.0715166
rduepunti0 : = -1.2814742155846E+25
fil : = 488.19559793278
fipunto1 : = 7.4269939042346E+17
fi_gradi : = 27971.547338414
t1 : = 1.0809120595747E-14
tpunto1 : = 1.0005237433911
tduepunti0 : = -1.2162826659667E+15
v=v_elettrone : = 4727810.8020336
x0= : -1.2973852052042E-12
y0= : -3.8870206118786E-12
*****
i=31360
k(31360)=0.99992732394766
kQ(31360)=0.99985465317712
r1= : 4.0986693672696E-12
rpunto1: = 3614288.4588664
rduepunti0 : = -1.2812324280676E+25
fil : = 488.1956850356
fipunto1 : = 7.4254569265608E+17
fi_gradi : = 27971.552329038
t1 : = 1.0809120713087E-14
tpunto1 : = 1.0005236008359
tduepunti0 : = -1.2155253671911E+15
v=v_elettrone : = 4726457.9522483
x0= : -1.2971808379266E-12
y0= : -3.887536046288E-12
```

```
*****
i=31361
k(31361)=0.99992738435492
kQ(31361)=0.99985477398287
r1= : 4.0990932462974E-12
rpunto1 : = 3612786.1295842
rduepunti0 : = -1.2809908087468E+25
fil : = 488.19577212038
fipunto1 : = 7.4239210644646E+17
fi_gradi : = 27971.557318629
t1 : = 1.0809120830427E-14
tpunto1 : = 1.0005234583694
tduepunti0 : = -1.2147685560584E+15
v=v_elettrone : = 4725105.5570819
x0= : -1.2969764050453E-12
y0= : -3.8880512839918E-12
*****
i=31362
k(31362)=0.99992744472568
kQ(31362)=0.99985489471563
r1= : 4.099516949134E-12
rpunto1 : = 3611284.0834729
rduepunti0 : = -1.2807493574939E+25
fil : = 488.19585918716
fipunto1 : = 7.4223863170342E+17
fi_gradi : = 27971.562307187
t1 : = 1.0809120947767E-14
tpunto1 : = 1.0005233159917
tduepunti0 : = -1.2140122320656E+15
v=v_elettrone : = 4723753.6179066
x0= : -1.296771906591E-12
y0= : -3.8885663250249E-12
*****
i=31363
k(31363)=0.99992750505997
kQ(31363)=0.99985501537546
r1= : 4.0999404758125E-12
rpunto1 : = 3609782.3203355
rduepunti0 : = -1.2805080741806E+25
fil : = 488.19594623594
fipunto1 : = 7.4208526833584E+17
fi_gradi : = 27971.567294715
t1 : = 1.0809121065107E-14
tpunto1 : = 1.0005231737025
tduepunti0 : = -1.2132563947099E+15
v=v_elettrone : = 4722402.1335207
x0= : -1.2965673425942E-12
y0= : -3.8890811694223E-12
*****
i=31364
k(31364)=0.99992756535781
kQ(31364)=0.99985513596239
r1= : 4.1003638263663E-12
rpunto1 : = 3608280.8399752
rduepunti0 : = -1.2802669586789E+25
fil : = 488.19603326673
fipunto1 : = 7.4193201625273E+17
fi_gradi : = 27971.572281212
t1 : = 1.0809121182447E-14
tpunto1 : = 1.000523031502
tduepunti0 : = -1.2125010434894E+15
v=v_elettrone : = 4721051.1027296
x0= : -1.2963627130855E-12
y0= : -3.889595817219E-12
```

```
*****
i=31365
k(31365)=0.99992762561921
kQ(31365)=0.99985525647648
r1= : 4.1007870008284E-12
rpunto1 : = 3606779.6421954
rduepunti0 : = -1.2800260108608E+25
fil : = 488.19612027955
fipunto1 : = 7.417788753632E+17
fi_gradi : = 27971.577266679
t1 : = 1.0809121299787E-14
tpunto1 : = 1.00052288939
tduepunti0 : = -1.2117461779028E+15
v=v_elettrone : = 4719700.5269306
x0= : -1.2961580180957E-12
y0= : -3.8901102684499E-12
*****
i=31366
k(31366)=0.99992768584421
kQ(31366)=0.99985537691776
r1= : 4.1012099992319E-12
rpunto1 : = 3605278.7267995
rduepunti0 : = -1.2797852305985E+25
fil : = 488.1962072744
fipunto1 : = 7.4162584557647E+17
fi_gradi : = 27971.582251117
t1 : = 1.0809121417127E-14
tpunto1 : = 1.0005227473665
tduepunti0 : = -1.2109917974493E+15
v=v_elettrone : = 4718350.4061929
x0= : -1.2959532576554E-12
y0= : -3.8906245231499E-12
*****
i=31367
k(31367)=0.99992774603282
kQ(31367)=0.99985549728628
r1= : 4.1016328216101E-12
rpunto1 : = 3603778.0935911
rduepunti0 : = -1.2795446177643E+25
fil : = 488.19629425131
fipunto1 : = 7.4147292680186E+17
fi_gradi : = 27971.587234527
t1 : = 1.0809121534467E-14
tpunto1 : = 1.0005226054313
tduepunti0 : = -1.2102379016287E+15
v=v_elettrone : = 4717000.7380435
x0= : -1.295748431795E-12
y0= : -3.8911385813539E-12
*****
i=31368
k(31368)=0.99992780618507
kQ(31368)=0.99985561758208
r1= : 4.102055467996E-12
rpunto1 : = 3602277.7423742
rduepunti0 : = -1.2793041722307E+25
fil : = 488.19638121029
fipunto1 : = 7.4132011894881E+17
fi_gradi : = 27971.592216909
t1 : = 1.0809121651807E-14
tpunto1 : = 1.0005224635846
tduepunti0 : = -1.2094844899417E+15
v=v_elettrone : = 4715651.5251383
x0= : -1.2955435405454E-12
y0= : -3.8916524430967E-12
```

```
*****
i=31369
k(31369)=0.99992786630097
kQ(31369)=0.99985573780522
r1= : 4.1024779384226E-12
rpunto1: = 3600777.6729526
rduepunti0 : = -1.2790638938702E+25
fil : = 488.19646815134
fipunto1 : = 7.4116742192686E+17
fi_gradi : = 27971.597198265
t1 : = 1.0809121769147E-14
tpunto1 : = 1.0005223218261
tduepunti0 : = -1.2087315618892E+15
v=v_elettrone : = 4714302.7662891
x0= : -1.2953385839368E-12
y0= : -3.8921661084132E-12
*****
i=31370
k(31370)=0.99992792638056
kQ(31370)=0.99985585795572
r1= : 4.1029002329231E-12
rpunto1: = 3599277.8851304
rduepunti0 : = -1.2788237825557E+25
fil : = 488.19655507449
fipunto1 : = 7.4101483564564E+17
fi_gradi : = 27971.602178594
t1 : = 1.0809121886487E-14
tpunto1 : = 1.0005221801559
tduepunti0 : = -1.2079791169729E+15
v=v_elettrone : = 4712954.4603121
x0= : -1.2951335619999E-12
y0= : -3.8926795773382E-12
*****
i=31371
k(31371)=0.99992798642384
kQ(31371)=0.99985597803364
r1= : 4.1033223515304E-12
rpunto1: = 3597778.3787119
rduepunti0 : = -1.27858383816E+25
fil : = 488.19664197974
fipunto1 : = 7.4086236001491E+17
fi_gradi : = 27971.607157899
t1 : = 1.0809122003827E-14
tpunto1 : = 1.0005220385739
tduepunti0 : = -1.2072271546953E+15
v=v_elettrone : = 4711606.6085547
x0= : -1.2949284747652E-12
y0= : -3.8931928499064E-12
*****
i=31372
k(31372)=0.99992804643085
kQ(31372)=0.99985609803901
r1= : 4.1037442942775E-12
rpunto1: = 3596279.1535014
rduepunti0 : = -1.2783440605562E+25
fil : = 488.19672886711
fipunto1 : = 7.4070999494453E+17
fi_gradi : = 27971.612136178
t1 : = 1.0809122121167E-14
tpunto1 : = 1.00052189708
tduepunti0 : = -1.2064756745591E+15
v=v_elettrone : = 4710259.209843
x0= : -1.2947233222632E-12
y0= : -3.8937059261527E-12
```

```
*****
i=31373
k(31373)=0.9999281064016
kQ(31373)=0.99985621797189
r1= : 4.1041660611975E-12
rpunto1: = 3594780.2093034
rduepunti0 : = -1.2781044496175E+25
fil : = 488.19681573661
fipunto1 : = 7.4055774034445E+17
fi_gradi : = 27971.617113434
t1 : = 1.0809122238507E-14
tpunto1 : = 1.0005217556742
tduepunti0 : = -1.2057246760679E+15
v=v_elettrone : = 4708912.2642708
x0= : -1.2945181045244E-12
y0= : -3.8942188061117E-12
*****
i=31374
k(31374)=0.99992816633612
kQ(31374)=0.99985633783232
r1= : 4.1045876523233E-12
rpunto1: = 3593281.5459228
rduepunti0 : = -1.2778650052171E+25
fil : = 488.19690258826
fipunto1 : = 7.4040559612476E+17
fi_gradi : = 27971.622089667
t1 : = 1.0809122355847E-14
tpunto1 : = 1.0005216143564
tduepunti0 : = -1.2049741587259E+15
v=v_elettrone : = 4707565.7719073
x0= : -1.2943128215791E-12
y0= : -3.8947314898182E-12
*****
i=31375
k(31375)=0.99992822623443
kQ(31375)=0.99985645762033
r1= : 4.1050090676878E-12
rpunto1: = 3591783.1631642
rduepunti0 : = -1.2776257272285E+25
fil : = 488.19698942206
fipunto1 : = 7.4025356219561E+17
fi_gradi : = 27971.627064877
t1 : = 1.0809122473187E-14
tpunto1 : = 1.0005214731265
tduepunti0 : = -1.2042241220377E+15
v=v_elettrone : = 4706219.731581
x0= : -1.294107473458E-12
y0= : -3.8952439773068E-12
*****
i=31376
k(31376)=0.99992828609655
kQ(31376)=0.99985657733598
r1= : 4.1054303073239E-12
rpunto1: = 3590285.0608327
rduepunti0 : = -1.2773866155254E+25
fil : = 488.19707623803
fipunto1 : = 7.401016384673E+17
fi_gradi : = 27971.632039066
t1 : = 1.0809122590527E-14
tpunto1 : = 1.0005213319846
tduepunti0 : = -1.2034745655088E+15
v=v_elettrone : = 4704874.1459318
x0= : -1.2939020601915E-12
y0= : -3.8957562686122E-12
```



```
*****
i=31377
k(31377)=0.9999283459225
kQ(31377)=0.99985669697931
r1= : 4.1058513712645E-12
rpunto1: = 3588787.2387335
rduepunti0 : = -1.2771476699815E+25
fil : = 488.19716303618
fipunto1 : = 7.399498248502E+17
fi_gradi : = 27971.637012233
t1 : = 1.0809122707866E-14
tpunto1 : = 1.0005211909305
tduepunti0 : = -1.202725488645E+15
v=v_elettrone : = 4703529.012502
x0= : -1.2936965818097E-12
y0= : -3.896268363769E-12
*****
i=31378
k(31378)=0.99992840571231
kQ(31378)=0.99985681655036
r1= : 4.1062722595425E-12
rpunto1: = 3587289.6966717
rduepunti0 : = -1.2769088904706E+25
fil : = 488.19724981653
fipunto1 : = 7.397981212548E+17
fi_gradi : = 27971.641984381
t1 : = 1.0809122825206E-14
tpunto1 : = 1.0005210499643
tduepunti0 : = -1.201976890953E+15
v=v_elettrone : = 4702184.3300776
x0= : -1.2934910383431E-12
y0= : -3.8967802628119E-12
*****
i=31379
k(31379)=0.99992846546599
kQ(31379)=0.99985693604917
r1= : 4.1066929721907E-12
rpunto1: = 3585792.4344528
rduepunti0 : = -1.2766702768668E+25
fil : = 488.19733657909
fipunto1 : = 7.396465275917E+17
fi_gradi : = 27971.646955509
t1 : = 1.0809122942546E-14
tpunto1 : = 1.0005209090857
tduepunti0 : = -1.2012287719398E+15
v=v_elettrone : = 4700840.1013265
x0= : -1.2932854298222E-12
y0= : -3.8972919657754E-12
*****
i=31380
k(31380)=0.99992852518357
kQ(31380)=0.99985705547579
r1= : 4.107113509242E-12
rpunto1: = 3584295.4518824
rduepunti0 : = -1.2764318290442E+25
fil : = 488.19742332386
fipunto1 : = 7.3949504377161E+17
fi_gradi : = 27971.651925619
t1 : = 1.0809123059886E-14
tpunto1 : = 1.0005207682949
tduepunti0 : = -1.2004811311132E+15
v=v_elettrone : = 4699496.3250629
x0= : -1.2930797562773E-12
y0= : -3.8978034726941E-12
```

```
*****
i=31381
k(31381)=0.99992858486507
kQ(31381)=0.99985717483026
r1= : 4.1075338707291E-12
rpunto1: = 3582798.7487663
rduepunti0 : = -1.2761935468772E+25
fil : = 488.19751005088
fipunto1 : = 7.3934366970531E+17
fi_gradi : = 27971.656894711
t1 : = 1.0809123177226E-14
tpunto1 : = 1.0005206275916
tduepunti0 : = -1.1997339679816E+15
v=v_elettrone : = 4698153.0000793
x0= : -1.2928740177385E-12
y0= : -3.8983147836026E-12
*****
i=31382
k(31382)=0.99992864451051
kQ(31382)=0.99985729411263
r1= : 4.1079540566848E-12
rpunto1: = 3581302.3249102
rduepunti0 : = -1.2759554302401E+25
fil : = 488.19759676014
fipunto1 : = 7.3919240530373E+17
fi_gradi : = 27971.661862786
t1 : = 1.0809123294565E-14
tpunto1 : = 1.000520486976
tduepunti0 : = -1.1989872820539E+15
v=v_elettrone : = 4696810.1277453
x0= : -1.2926682142363E-12
y0= : -3.8988258985353E-12
*****
i=31383
k(31383)=0.99992870411992
kQ(31383)=0.99985741332294
r1= : 4.1083740671419E-12
rpunto1: = 3579806.1801202
rduepunti0 : = -1.2757174790077E+25
fil : = 488.19768345166
fipunto1 : = 7.3904125047788E+17
fi_gradi : = 27971.666829844
t1 : = 1.0809123411905E-14
tpunto1 : = 1.0005203464478
tduepunti0 : = -1.1982410728397E+15
v=v_elettrone : = 4695467.7068861
x0= : -1.2924623458009E-12
y0= : -3.8993368175268E-12
*****
i=31384
k(31384)=0.99992876369331
kQ(31384)=0.99985753246122
r1= : 4.1087939021331E-12
rpunto1: = 3578310.3142025
rduepunti0 : = -1.2754796930545E+25
fil : = 488.19777012545
fipunto1 : = 7.3889020513886E+17
fi_gradi : = 27971.671795886
t1 : = 1.0809123529245E-14
tpunto1 : = 1.0005202060071
tduepunti0 : = -1.197495339849E+15
v=v_elettrone : = 4694125.737581
x0= : -1.2922564124626E-12
y0= : -3.8998475406115E-12
```

```
*****
i=31385
k(31385)=0.9999288232307
kQ(31385)=0.99985765152754
r1= : 4.1092135616911E-12
rpunto1: = 3576814.7269633
rduepunti0 : = -1.2752420722554E+25
fil : = 488.19785678153
fipunto1 : = 7.3873926919792E+17
fi_gradi : = 27971.676760914
t1 : = 1.0809123646584E-14
tpunto1 : = 1.0005200656539
tduepunti0 : = -1.1967500825927E+15
v=v_elettrone : = 4692784.2199191
x0= : -1.2920504142515E-12
y0= : -3.9003580678239E-12
*****
i=31386
k(31386)=0.99992888273212
kQ(31386)=0.99985777052191
r1= : 4.1096330458486E-12
rpunto1: = 3575319.4182092
rduepunti0 : = -1.2750046164855E+25
fil : = 488.1979434199
fipunto1 : = 7.3858844256636E+17
fi_gradi : = 27971.681724927
t1 : = 1.0809123763924E-14
tpunto1 : = 1.0005199253879
tduepunti0 : = -1.1960053005821E+15
v=v_elettrone : = 4691443.1539894
x0= : -1.291844351198E-12
y0= : -3.9008683991983E-12
*****
i=31387
k(31387)=0.9999289421976
kQ(31387)=0.99985788944441
r1= : 4.1100523546382E-12
rpunto1: = 3573824.3877467
rduepunti0 : = -1.2747673256199E+25
fil : = 488.19803004059
fipunto1 : = 7.3843772515562E+17
fi_gradi : = 27971.686687927
t1 : = 1.0809123881264E-14
tpunto1 : = 1.0005197852093
tduepunti0 : = -1.1952609933291E+15
v=v_elettrone : = 4690102.5386043
x0= : -1.2916382233322E-12
y0= : -3.9013785347692E-12
*****
i=31388
k(31388)=0.99992900162714
kQ(31388)=0.99985800829505
r1= : 4.1104714880926E-12
rpunto1: = 3572329.6353826
rduepunti0 : = -1.2745301995338E+25
fil : = 488.1981166436
fipunto1 : = 7.3828711687724E+17
fi_gradi : = 27971.691649914
t1 : = 1.0809123998603E-14
tpunto1 : = 1.0005196451179
tduepunti0 : = -1.1945171603462E+15
v=v_elettrone : = 4688762.3751282
x0= : -1.2914320306842E-12
y0= : -3.9018884745709E-12
```

```
*****
i=31389
k(31389)=0.99992906102078
kQ(31389)=0.99985812707389
r1= : 4.1108904462444E-12
rpunto1: = 3570835.1609237
rduepunti0 : = -1.2742932381027E+25
fil : = 488.19820322895
fipunto1 : = 7.3813661764285E+17
fi_gradi : = 27971.696610889
t1 : = 1.0809124115943E-14
tpunto1 : = 1.0005195051136
tduepunti0 : = -1.1937738011465E+15
v=v_elettrone : = 4687422.6610899
x0= : -1.2912257732843E-12
y0= : -3.9023982186379E-12
*****
i=31390
k(31390)=0.99992912037853
kQ(31390)=0.99985824578098
r1= : 4.1113092291261E-12
rpunto1: = 3569340.9641772
rduepunti0 : = -1.2740564412021E+25
fil : = 488.19828979665
fipunto1 : = 7.3798622736419E+17
fi_gradi : = 27971.701570853
t1 : = 1.0809124233283E-14
tpunto1 : = 1.0005193651965
tduepunti0 : = -1.1930309152438E+15
v=v_elettrone : = 4686083.3991503
x0= : -1.2910194511627E-12
y0= : -3.9029077670043E-12
*****
i=31391
k(31391)=0.99992917970041
kQ(31391)=0.99985836441634
r1= : 4.1117278367705E-12
rpunto1: = 3567847.0449501
rduepunti0 : = -1.2738198087077E+25
fil : = 488.19837634671
fipunto1 : = 7.378359459531E+17
fi_gradi : = 27971.706529806
t1 : = 1.0809124350622E-14
tpunto1 : = 1.0005192253665
tduepunti0 : = -1.1922885021523E+15
v=v_elettrone : = 4684744.5868192
x0= : -1.2908130643493E-12
y0= : -3.9034171197046E-12
*****
i=31392
k(31392)=0.99992923898646
kQ(31392)=0.99985848298003
r1= : 4.1121462692099E-12
rpunto1: = 3566353.4030499
rduepunti0 : = -1.2735833404954E+25
fil : = 488.19846287914
fipunto1 : = 7.3768577332153E+17
fi_gradi : = 27971.711487749
t1 : = 1.0809124467962E-14
tpunto1 : = 1.0005190856235
tduepunti0 : = -1.191546561387E+15
v=v_elettrone : = 4683406.226767
x0= : -1.2906066128744E-12
y0= : -3.9039262767729E-12
```

```
*****
i=31393
k(31393)=0.99992929823668
kQ(31393)=0.9998586014721
r1= : 4.112564526477E-12
rpunto1: = 3564860.038284
rduepunti0 : = -1.2733470364411E+25
fil : = 488.19854939397
fipunto1 : = 7.3753570938153E+17
fi_gradi : = 27971.716444683
t1 : = 1.0809124585301E-14
tpunto1 : = 1.0005189459674
tduepunti0 : = -1.1908050924633E+15
v=v_elettrone : = 4682068.3152209
x0= : -1.2904000967679E-12
y0= : -3.9044352382436E-12
*****
i=31394
k(31394)=0.9999293574511
kQ(31394)=0.99985871989257
r1= : 4.1129826086042E-12
rpunto1: = 3563366.95046
rduepunti0 : = -1.2731108964209E+25
fil : = 488.19863589119
fipunto1 : = 7.3738575404525E+17
fi_gradi : = 27971.721400609
t1 : = 1.0809124702641E-14
tpunto1 : = 1.0005188063982
tduepunti0 : = -1.1900640948972E+15
v=v_elettrone : = 4680730.8548455
x0= : -1.29019351606E-12
y0= : -3.9049440041508E-12
*****
i=31395
k(31395)=0.99992941662974
kQ(31395)=0.9998588382415
r1= : 4.113400515624E-12
rpunto1: = 3561874.1393857
rduepunti0 : = -1.272874920311E+25
fil : = 488.19872237083
fipunto1 : = 7.3723590722495E+17
fi_gradi : = 27971.726355528
t1 : = 1.0809124819981E-14
tpunto1 : = 1.0005186669159
tduepunti0 : = -1.1893235682055E+15
v=v_elettrone : = 4679393.8444583
x0= : -1.2899868707807E-12
y0= : -3.9054525745288E-12
*****
i=31396
k(31396)=0.99992947577263
kQ(31396)=0.99985895651893
r1= : 4.1138182475689E-12
rpunto1: = 3560381.604869
rduepunti0 : = -1.2726391079878E+25
fil : = 488.19880883289
fipunto1 : = 7.3708616883299E+17
fi_gradi : = 27971.731309439
t1 : = 1.080912493732E-14
tpunto1 : = 1.0005185275204
tduepunti0 : = -1.1885835119053E+15
v=v_elettrone : = 4678057.2841166
x0= : -1.28978016096E-12
y0= : -3.9059609494118E-12
```

```
*****
i=31397
k(31397)=0.99992953487978
kQ(31397)=0.99985907472489
r1= : 4.1142358044712E-12
rpunto1: = 3558889.346718
rduepunti0 : = -1.2724034593279E+25
fil : = 488.1988952774
fipunto1 : = 7.3693653878182E+17
fi_gradi : = 27971.736262344
t1 : = 1.080912505466E-14
tpunto1 : = 1.0005183882116
tduepunti0 : = -1.1878439255145E+15
v=v_elettrone : = 4676721.1726447
x0= : -1.2895733866278E-12
y0= : -3.9064691288338E-12
*****
i=31398
k(31398)=0.99992959395122
kQ(31398)=0.99985919285945
r1= : 4.1146531863635E-12
rpunto1: = 3557397.3647409
rduepunti0 : = -1.2721679742079E+25
fil : = 488.19898170435
fipunto1 : = 7.36787016984E+17
fi_gradi : = 27971.741214244
t1 : = 1.0809125171999E-14
tpunto1 : = 1.0005182489895
tduepunti0 : = -1.1871048085515E+15
v=v_elettrone : = 4675385.5114267
x0= : -1.2893665478144E-12
y0= : -3.9069771128291E-12
*****
i=31399
k(31399)=0.99992965298696
kQ(31399)=0.99985931092262
r1= : 4.1150703932781E-12
rpunto1: = 3555905.6587459
rduepunti0 : = -1.2719326525046E+25
fil : = 488.19906811377
fipunto1 : = 7.3663760335221E+17
fi_gradi : = 27971.746165139
t1 : = 1.0809125289339E-14
tpunto1 : = 1.000518109854
tduepunti0 : = -1.1863661605353E+15
v=v_elettrone : = 4674050.2992545
x0= : -1.2891596445495E-12
y0= : -3.9074849014317E-12
*****
i=31400
k(31400)=0.99992971198703
kQ(31400)=0.99985942891447
r1= : 4.1154874252474E-12
rpunto1: = 3554414.2285417
rduepunti0 : = -1.2716974940949E+25
fil : = 488.19915450566
fipunto1 : = 7.364882977992E+17
fi_gradi : = 27971.75111503
t1 : = 1.0809125406678E-14
tpunto1 : = 1.0005179708051
tduepunti0 : = -1.1856279809855E+15
v=v_elettrone : = 4672715.5375132
x0= : -1.2889526768632E-12
y0= : -3.9079924946757E-12
```

```
*****
i=31401
k(31401)=0.99992977095145
kQ(31401)=0.99985954683503
r1= : 4.1159042823037E-12
rpunto1: = 3552923.0739369
rduepunti0 : = -1.2714624988558E+25
fil : = 488.19924088005
fipunto1 : = 7.3633910023785E+17
fi_gradi : = 27971.756063918
t1 : = 1.0809125524017E-14
tpunto1 : = 1.0005178318428
tduepunti0 : = -1.1848902694222E+15
v=v_elettrone : = 4671381.2236985
x0= : -1.2887456447852E-12
y0= : -3.9084998925952E-12
*****
i=31402
k(31402)=0.99992982988025
kQ(31402)=0.99985966468434
r1= : 4.1163209644793E-12
rpunto1: = 3551432.1947401
rduepunti0 : = -1.2712276666646E+25
fil : = 488.19932723694
fipunto1 : = 7.3619001058113E+17
fi_gradi : = 27971.761011803
t1 : = 1.0809125641357E-14
tpunto1 : = 1.0005176929668
tduepunti0 : = -1.1841530253661E+15
v=v_elettrone : = 4670047.3605016
x0= : -1.2885385483458E-12
y0= : -3.9090070952242E-12
*****
i=31403
k(31403)=0.99992988877343
kQ(31403)=0.99985978246244
r1= : 4.1167374718066E-12
rpunto1: = 3549941.5907605
rduepunti0 : = -1.2709929973986E+25
fil : = 488.19941357634
fipunto1 : = 7.360410287421E+17
fi_gradi : = 27971.765958686
t1 : = 1.0809125758696E-14
tpunto1 : = 1.0005175541773
tduepunti0 : = -1.1834162483386E+15
v=v_elettrone : = 4668713.944132
x0= : -1.2883313875744E-12
y0= : -3.9095141025967E-12
*****
i=31404
k(31404)=0.99992994763103
kQ(31404)=0.99985990016939
r1= : 4.1171538043177E-12
rpunto1: = 3548451.2618069
rduepunti0 : = -1.2707584909353E+25
fil : = 488.19949989827
fipunto1 : = 7.3589215463394E+17
fi_gradi : = 27971.770904568
t1 : = 1.0809125876036E-14
tpunto1 : = 1.0005174154742
tduepunti0 : = -1.1826799378616E+15
v=v_elettrone : = 4667380.9785542
x0= : -1.2881241625013E-12
y0= : -3.9100209147467E-12
```

```

*****
i=31405
k(31405)=0.99993000645306
kQ(31405)=0.99986001780522
r1= : 4.1175699620451E-12
rpunto1: = 3546961.2076886
rduepunti0 : = -1.2705241471522E+25
fil : = 488.19958620274
fipunto1 : = 7.3574338816993E+17
fi_gradi : = 27971.77584945
t1 : = 1.0809125993375E-14
tpunto1 : = 1.0005172768573
tduepunti0 : = -1.1819440934575E+15
v=v_elettrone : = 4666048.4599844
x0= : -1.287916873156E-12
y0= : -3.9105275317082E-12
*****
i=31406
k(31406)=0.99993006523955
kQ(31406)=0.99986013536997
r1= : 4.1179859450208E-12
rpunto1: = 3545471.4282151
rduepunti0 : = -1.2702899659271E+25
fil : = 488.19967248976
fipunto1 : = 7.3559472926343E+17
fi_gradi : = 27971.780793333
t1 : = 1.0809126110714E-14
tpunto1 : = 1.0005171383267
tduepunti0 : = -1.1812087146494E+15
v=v_elettrone : = 4664716.3911016
x0= : -1.2877095195687E-12
y0= : -3.9110339535151E-12
*****
i=31407
k(31407)=0.99993012399051
kQ(31407)=0.99986025286368
r1= : 4.1184017532771E-12
rpunto1: = 3543981.9231957
rduepunti0 : = -1.2700559471379E+25
fil : = 488.19975875935
fipunto1 : = 7.3544617782793E+17
fi_gradi : = 27971.785736216
t1 : = 1.0809126228054E-14
tpunto1 : = 1.0005169998823
tduepunti0 : = -1.1804738009609E+15
v=v_elettrone : = 4663384.7706946
x0= : -1.2875021017689E-12
y0= : -3.9115401802013E-12
*****
i=31408
k(31408)=0.99993018270598
kQ(31408)=0.99986037028641
r1= : 4.1188173868463E-12
rpunto1: = 3542492.6924401
rduepunti0 : = -1.2698220906626E+25
fil : = 488.19984501152
fipunto1 : = 7.35297733777E+17
fi_gradi : = 27971.790678101
t1 : = 1.0809126345393E-14
tpunto1 : = 1.000516861524
tduepunti0 : = -1.1797393519163E+15
v=v_elettrone : = 4662053.59758
x0= : -1.2872946197864E-12
y0= : -3.9120462118008E-12

```



```
*****
i=31409
k(31409)=0.99993024138596
kQ(31409)=0.99986048763818
r1= : 4.1192328457604E-12
rpunto1 : = 3541003.7357582
rduepunti0 : = -1.2695883963794E+25
fil : = 488.19993124628
fipunto1 : = 7.3514939702432E+17
fi_gradi : = 27971.795618989
t1 : = 1.0809126462732E-14
tpunto1 : = 1.0005167232518
tduepunti0 : = -1.1790053670402E+15
v=v_elettrone : = 4660722.8731126
x0= : -1.2870870736512E-12
y0= : -3.9125520483474E-12
*****
i=31410
k(31410)=0.99993030003048
kQ(31410)=0.99986060491905
r1= : 4.1196481300516E-12
rpunto1 : = 3539515.0529597
rduepunti0 : = -1.2693548641664E+25
fil : = 488.20001746364
fipunto1 : = 7.3500116748367E+17
fi_gradi : = 27971.80055888
t1 : = 1.0809126580072E-14
tpunto1 : = 1.0005165850656
tduepunti0 : = -1.1782718458582E+15
v=v_elettrone : = 4659392.5961162
x0= : -1.2868794633929E-12
y0= : -3.9130576898749E-12
*****
i=31411
k(31411)=0.99993035863957
kQ(31411)=0.99986072212905
r1= : 4.1200632397521E-12
rpunto1 : = 3538026.6438549
rduepunti0 : = -1.2691214939022E+25
fil : = 488.20010366361
fipunto1 : = 7.3485304506893E+17
fi_gradi : = 27971.805497774
t1 : = 1.0809126697411E-14
tpunto1 : = 1.0005164469654
tduepunti0 : = -1.177538787896E+15
v=v_elettrone : = 4658062.7679738
x0= : -1.2866717890413E-12
y0= : -3.9135631364171E-12
*****
i=31412
k(31412)=0.99993041721323
kQ(31412)=0.99986083926823
r1= : 4.1204781748938E-12
rpunto1 : = 3536538.5082539
rduepunti0 : = -1.2688882854652E+25
fil : = 488.20018984622
fipunto1 : = 7.3470502969407E+17
fi_gradi : = 27971.810435674
t1 : = 1.080912681475E-14
tpunto1 : = 1.0005163089511
tduepunti0 : = -1.1768061926802E+15
v=v_elettrone : = 4656733.3861607
x0= : -1.286464050626E-12
y0= : -3.9140683880079E-12
```

```
*****
i=31413
k(31413)=0.99993047575151
kQ(31413)=0.99986095633663
r1= : 4.120892935509E-12
rpunto1: = 3535050.645967
rduepunti0 : = -1.2686552387342E+25
fil : = 488.20027601146
fipunto1 : = 7.3455712127318E+17
fi_gradi : = 27971.815372579
t1 : = 1.0809126932089E-14
tpunto1 : = 1.0005161710227
tduepunti0 : = -1.1760740597379E+15
v=v_elettrone : = 4655404.4534075
x0= : -1.2862562481769E-12
y0= : -3.9145734446811E-12
*****
i=31414
k(31414)=0.9999305342544
kQ(31414)=0.99986107333429
r1= : 4.1213075216296E-12
rpunto1: = 3533563.0568048
rduepunti0 : = -1.268422353588E+25
fil : = 488.20036215936
fipunto1 : = 7.3440931972044E+17
fi_gradi : = 27971.82030849
t1 : = 1.0809127049429E-14
tpunto1 : = 1.00051603318
tduepunti0 : = -1.1753423885967E+15
v=v_elettrone : = 4654075.9671628
x0= : -1.2860483817233E-12
y0= : -3.9150783064703E-12
*****
i=31415
k(31415)=0.99993059272194
kQ(31415)=0.99986119026125
r1= : 4.1217219332877E-12
rpunto1: = 3532075.7405778
rduepunti0 : = -1.2681896299054E+25
fil : = 488.20044828993
fipunto1 : = 7.3426162495012E+17
fi_gradi : = 27971.825243408
t1 : = 1.0809127166768E-14
tpunto1 : = 1.0005158954232
tduepunti0 : = -1.1746111787848E+15
v=v_elettrone : = 4652747.927552
x0= : -1.2858404512952E-12
y0= : -3.9155829734094E-12
*****
i=31416
k(31416)=0.99993065115415
kQ(31416)=0.99986130711756
r1= : 4.1221361705153E-12
rpunto1: = 3530588.697097
rduepunti0 : = -1.2679570675657E+25
fil : = 488.20053440317
fipunto1 : = 7.341140368766E+17
fi_gradi : = 27971.830177333
t1 : = 1.0809127284107E-14
tpunto1 : = 1.000515757752
tduepunti0 : = -1.173880429831E+15
v=v_elettrone : = 4651420.3359401
x0= : -1.2856324569223E-12
y0= : -3.9160874455319E-12
```

```
*****
i=31417
k(31417)=0.99993070955105
kQ(31417)=0.99986142390326
r1= : 4.1225502333444E-12
rpunto1 : = 3529101.9261731
rduepunti0 : = -1.267724666448E+25
fil : = 488.20062049911
fipunto1 : = 7.3396655541436E+17
fi_gradi : = 27971.835110267
t1 : = 1.0809127401446E-14
tpunto1 : = 1.0005156201665
tduepunti0 : = -1.1731501412647E+15
v=v_elettrone : = 4650093.1911476
x0= : -1.285424398634E-12
y0= : -3.9165917228717E-12
*****
i=31418
k(31418)=0.99993076791265
kQ(31418)=0.99986154061838
r1= : 4.1229641218069E-12
rpunto1 : = 3527615.4276173
rduepunti0 : = -1.2674924264317E+25
fil : = 488.20070657775
fipunto1 : = 7.3381918047799E+17
fi_gradi : = 27971.84004221
t1 : = 1.0809127518785E-14
tpunto1 : = 1.0005154826666
tduepunti0 : = -1.1724203126157E+15
v=v_elettrone : = 4648766.4932371
x0= : -1.28521627646E-12
y0= : -3.9170958054623E-12
*****
i=31419
k(31419)=0.99993082623898
kQ(31419)=0.99986165726298
r1= : 4.1233778359349E-12
rpunto1 : = 3526129.2012408
rduepunti0 : = -1.2672603473962E+25
fil : = 488.2007926391
fipunto1 : = 7.3367191198215E+17
fi_gradi : = 27971.844973162
t1 : = 1.0809127636125E-14
tpunto1 : = 1.0005153452522
tduepunti0 : = -1.1716909434145E+15
v=v_elettrone : = 4647440.2423261
x0= : -1.2850080904298E-12
y0= : -3.9175996933374E-12
*****
i=31420
k(31420)=0.99993088453007
kQ(31420)=0.99986177383708
r1= : 4.1237913757601E-12
rpunto1 : = 3524643.2468549
rduepunti0 : = -1.2670284292212E+25
fil : = 488.20087868318
fipunto1 : = 7.3352474984162E+17
fi_gradi : = 27971.849903125
t1 : = 1.0809127753464E-14
tpunto1 : = 1.0005152079233
tduepunti0 : = -1.1709620331923E+15
v=v_elettrone : = 4646114.4371855
x0= : -1.284799840573E-12
y0= : -3.9181033865306E-12
```

```
*****
i=31421
k(31421)=0.99993094278592
kQ(31421)=0.99986189034074
r1= : 4.1242047413146E-12
rpunto1 : = 3523157.564271
rduepunti0 : = -1.2667966717864E+25
fil : = 488.20096471001
fipunto1 : = 7.3337769397129E+17
fi_gradi : = 27971.854832099
t1 : = 1.0809127870803E-14
tpunto1 : = 1.0005150706798
tduepunti0 : = -1.1702335814806E+15
v=v_elettrone : = 4644789.0792299
x0= : -1.2845915269192E-12
y0= : -3.9186068850755E-12
*****
i=31422
k(31422)=0.99993100100657
kQ(31422)=0.999862006774
r1= : 4.1246179326301E-12
rpunto1 : = 3521672.1533009
rduepunti0 : = -1.2665650749716E+25
fil : = 488.20105071959
fipunto1 : = 7.3323074428612E+17
fi_gradi : = 27971.859760085
t1 : = 1.0809127988142E-14
tpunto1 : = 1.0005149335217
tduepunti0 : = -1.1695055878115E+15
v=v_elettrone : = 4643464.1672252
x0= : -1.2843831494979E-12
y0= : -3.9191101890056E-12
*****
i=31423
k(31423)=0.99993105919203
kQ(31423)=0.9998621231369
r1= : 4.1250309497386E-12
rpunto1 : = 3520187.0137563
rduepunti0 : = -1.266333638657E+25
fil : = 488.20113671193
fipunto1 : = 7.3308390070118E+17
fi_gradi : = 27971.864687083
t1 : = 1.0809128105481E-14
tpunto1 : = 1.000514796449
tduepunti0 : = -1.1687780517179E+15
v=v_elettrone : = 4642139.7012883
x0= : -1.2841747083385E-12
y0= : -3.9196132983545E-12
*****
i=31424
k(31424)=0.99993111734233
kQ(31424)=0.99986223942947
r1= : 4.1254437926718E-12
rpunto1 : = 3518702.145449
rduepunti0 : = -1.2661023627227E+25
fil : = 488.20122268705
fipunto1 : = 7.3293716313166E+17
fi_gradi : = 27971.869613095
t1 : = 1.080912822282E-14
tpunto1 : = 1.0005146594615
tduepunti0 : = -1.1680509727329E+15
v=v_elettrone : = 4640815.681494
x0= : -1.2839662034707E-12
y0= : -3.9201162131557E-12
```

```

*****
i=31425
k(31425)=0.99993117545748
kQ(31425)=0.99986235565177
r1= : 4.1258564614617E-12
rpunto1 : = 3517217.5481912
rduepunti0 : = -1.2658712470488E+25
fil : = 488.20130864496
fipunto1 : = 7.3279053149281E+17
fi_gradi : = 27971.87453812
t1 : = 1.0809128340159E-14
tpunto1 : = 1.0005145225592
tduepunti0 : = -1.1673243503906E+15
v=v_elettrone : = 4639492.1079528
x0= : -1.2837576349238E-12
y0= : -3.9206189334427E-12
*****
i=31426
k(31426)=0.9999312335375
kQ(31426)=0.99986247180383
r1= : 4.1262689561399E-12
rpunto1 : = 3515733.2217951
rduepunti0 : = -1.265640291516E+25
fil : = 488.20139458568
fipunto1 : = 7.3264400570002E+17
fi_gradi : = 27971.87946216
t1 : = 1.0809128457498E-14
tpunto1 : = 1.0005143857421
tduepunti0 : = -1.1665981842253E+15
v=v_elettrone : = 4638168.9794286
x0= : -1.2835490027273E-12
y0= : -3.921121459249E-12
*****
i=31427
k(31427)=0.99993129158242
kQ(31427)=0.99986258788569
r1= : 4.1266812767382E-12
rpunto1 : = 3514249.1660729
rduepunti0 : = -1.2654094960045E+25
fil : = 488.20148050921
fipunto1 : = 7.3249758566874E+17
fi_gradi : = 27971.884385216
t1 : = 1.0809128574837E-14
tpunto1 : = 1.0005142490101
tduepunti0 : = -1.1658724737719E+15
v=v_elettrone : = 4636846.2973404
x0= : -1.2833403069107E-12
y0= : -3.9216237906079E-12
*****
i=31428
k(31428)=0.99993134959226
kQ(31428)=0.9998627038974
r1= : 4.1270934232885E-12
rpunto1 : = 3512765.3808371
rduepunti0 : = -1.2651788603953E+25
fil : = 488.20156641557
fipunto1 : = 7.3235127131454E+17
fi_gradi : = 27971.889307288
t1 : = 1.0809128692176E-14
tpunto1 : = 1.0005141123632
tduepunti0 : = -1.1651472185661E+15
v=v_elettrone : = 4635524.0604537
x0= : -1.2831315475033E-12
y0= : -3.922125927553E-12

```

```
*****
i=31429
k(31429)=0.99993140756703
kQ(31429)=0.99986281983899
r1= : 4.1275053958223E-12
rpunto1: = 3511281.8659003
rduepunti0 : = -1.264948384569E+25
fil : = 488.20165230477
fipunto1 : = 7.3220506255309E+17
fi_gradi : = 27971.894228377
t1 : = 1.0809128809515E-14
tpunto1 : = 1.0005139758012
tduepunti0 : = -1.1644224181439E+15
v=v_elettrone : = 4634202.2675808
x0= : -1.2829227245345E-12
y0= : -3.9226278701177E-12
*****
i=31430
k(31430)=0.99993146550677
kQ(31430)=0.99986293571051
r1= : 4.1279171943715E-12
rpunto1: = 3509798.6210754
rduepunti0 : = -1.2647180684066E+25
fil : = 488.20173817683
fipunto1 : = 7.3205895930014E+17
fi_gradi : = 27971.899148483
t1 : = 1.0809128926854E-14
tpunto1 : = 1.0005138393242
tduepunti0 : = -1.1636980720421E+15
v=v_elettrone : = 4632880.921411
x0= : -1.282713838034E-12
y0= : -3.9231296183352E-12
*****
i=31431
k(31431)=0.99993152341148
kQ(31431)=0.999863051512
r1= : 4.1283288189676E-12
rpunto1: = 3508315.6461751
rduepunti0 : = -1.2644879117891E+25
fil : = 488.20182403174
fipunto1 : = 7.3191296147156E+17
fi_gradi : = 27971.904067607
t1 : = 1.0809129044193E-14
tpunto1 : = 1.0005137029321
tduepunti0 : = -1.1629741797977E+15
v=v_elettrone : = 4631560.0207316
x0= : -1.2825048880308E-12
y0= : -3.9236311722389E-12
*****
i=31432
k(31432)=0.99993158128119
kQ(31432)=0.99986316724351
r1= : 4.1287402696424E-12
rpunto1: = 3506832.9410125
rduepunti0 : = -1.2642579145979E+25
fil : = 488.20190986954
fipunto1 : = 7.317670689833E+17
fi_gradi : = 27971.908985751
t1 : = 1.0809129161532E-14
tpunto1 : = 1.0005135666249
tduepunti0 : = -1.1622507409485E+15
v=v_elettrone : = 4630239.5643334
x0= : -1.2822958745542E-12
y0= : -3.9241325318623E-12
```

```
*****
i=31433
k(31433)=0.99993163911593
kQ(31433)=0.99986328290506
r1= : 4.1291515464275E-12
rpunto1: = 3505350.5054008
rduepunti0 : = -1.264028076714E+25
fil : = 488.20199569022
fipunto1 : = 7.3162128175142E+17
fi_gradi : = 27971.913902914
t1 : = 1.0809129278871E-14
tpunto1 : = 1.0005134304024
tduepunti0 : = -1.161527755033E+15
v=v_elettrone : = 4628919.5523187
x0= : -1.2820867976336E-12
y0= : -3.9246336972385E-12
*****
i=31434
k(31434)=0.9999316969157
kQ(31434)=0.99986339849671
r1= : 4.1295626493544E-12
rpunto1: = 3503868.3391533
rduepunti0 : = -1.2637983980192E+25
fil : = 488.20208149381
fipunto1 : = 7.3147559969206E+17
fi_gradi : = 27971.918819097
t1 : = 1.080912939621E-14
tpunto1 : = 1.0005132942647
tduepunti0 : = -1.1608052215899E+15
v=v_elettrone : = 4627599.9847537
x0= : -1.2818776572985E-12
y0= : -3.925134668401E-12
*****
i=31435
k(31435)=0.99993175468054
kQ(31435)=0.9998635140185
r1= : 4.1299735784548E-12
rpunto1: = 3502386.4420833
rduepunti0 : = -1.2635688783948E+25
fil : = 488.20216728032
fipunto1 : = 7.3133002272148E+17
fi_gradi : = 27971.923734302
t1 : = 1.0809129513549E-14
tpunto1 : = 1.0005131582117
tduepunti0 : = -1.1600831401588E+15
v=v_elettrone : = 4626280.8630668
x0= : -1.2816684535781E-12
y0= : -3.9256354453828E-12
*****
i=31436
k(31436)=0.99993181241045
kQ(31436)=0.99986362947046
r1= : 4.1303843337603E-12
rpunto1: = 3500904.8140046
rduepunti0 : = -1.2633395177228E+25
fil : = 488.20225304974
fipunto1 : = 7.3118455075602E+17
fi_gradi : = 27971.928648528
t1 : = 1.0809129630888E-14
tpunto1 : = 1.0005130222433
tduepunti0 : = -1.1593615102795E+15
v=v_elettrone : = 4624962.1847162
x0= : -1.2814591865015E-12
y0= : -3.9261360282173E-12
```

```
*****
i=31437
k(31437)=0.99993187010548
kQ(31437)=0.99986374485263
r1= : 4.1307949153024E-12
rpunto1: = 3499423.4547308
rduepunti0 : = -1.2631103158848E+25
fil : = 488.20233880211
fipunto1 : = 7.3103918371212E+17
fi_gradi : = 27971.933561777
t1 : = 1.0809129748227E-14
tpunto1 : = 1.0005128863594
tduepunti0 : = -1.1586403314926E+15
v=v_elettrone : = 4623643.9511132
x0= : -1.2812498560981E-12
y0= : -3.9266364169377E-12
*****
i=31438
k(31438)=0.99993192776562
kQ(31438)=0.99986386016507
r1= : 4.1312053231125E-12
rpunto1: = 3497942.3640758
rduepunti0 : = -1.2628812727629E+25
fil : = 488.20242453743
fipunto1 : = 7.3089392150632E+17
fi_gradi : = 27971.938474049
t1 : = 1.0809129865565E-14
tpunto1 : = 1.0005127505601
tduepunti0 : = -1.1579196033392E+15
v=v_elettrone : = 4622326.1610351
x0= : -1.281040462397E-12
y0= : -3.9271366115771E-12
*****
i=31439
k(31439)=0.99993198539091
kQ(31439)=0.9998639754078
r1= : 4.1316155572223E-12
rpunto1: = 3496461.5418535
rduepunti0 : = -1.2626523882391E+25
fil : = 488.20251025572
fipunto1 : = 7.3074876405526E+17
fi_gradi : = 27971.943385345
t1 : = 1.0809129982904E-14
tpunto1 : = 1.0005126148453
tduepunti0 : = -1.1571993253609E+15
v=v_elettrone : = 4621008.815893
x0= : -1.2808310054277E-12
y0= : -3.9276366121688E-12
*****
i=31440
k(31440)=0.99993204298136
kQ(31440)=0.99986409058088
r1= : 4.1320256176633E-12
rpunto1: = 3494980.9878782
rduepunti0 : = -1.2624236621958E+25
fil : = 488.20259595698
fipunto1 : = 7.3060371127567E+17
fi_gradi : = 27971.948295665
t1 : = 1.0809130100243E-14
tpunto1 : = 1.0005124792149
tduepunti0 : = -1.1564794970999E+15
v=v_elettrone : = 4619691.9144699
x0= : -1.280621485219E-12
y0= : -3.9281364187458E-12
```



```
*****
i=31441
k(31441)=0.999932100537
kQ(31441)=0.99986420568433
r1= : 4.1324355044667E-12
rpunto1: = 3493500.701964
rduepunti0 : = -1.2621950945153E+25
fil : = 488.20268164123
fipunto1 : = 7.3045876308438E+17
fi_gradi : = 27971.953205011
t1 : = 1.0809130217582E-14
tpunto1 : = 1.0005123436689
tduepunti0 : = -1.155760118099E+15
v=v_elettrone : = 4618375.4555367
x0= : -1.2804119018003E-12
y0= : -3.9286360313414E-12
*****
i=31442
k(31442)=0.99993215805784
kQ(31442)=0.99986432071821
r1= : 4.1328452176642E-12
rpunto1: = 3492020.6839255
rduepunti0 : = -1.2619666850801E+25
fil : = 488.20276730848
fipunto1 : = 7.3031391939831E+17
fi_gradi : = 27971.958113383
t1 : = 1.0809130334921E-14
tpunto1 : = 1.0005122082072
tduepunti0 : = -1.1550411879014E+15
v=v_elettrone : = 4617059.441824
x0= : -1.2802022552008E-12
y0= : -3.9291354499885E-12
*****
i=31443
k(31443)=0.99993221554391
kQ(31443)=0.99986443568255
r1= : 4.1332547572871E-12
rpunto1: = 3490540.9335771
rduepunti0 : = -1.2617384337728E+25
fil : = 488.20285295874
fipunto1 : = 7.3016918013449E+17
fi_gradi : = 27971.963020782
t1 : = 1.0809130452259E-14
tpunto1 : = 1.0005120728297
tduepunti0 : = -1.1543227060509E+15
v=v_elettrone : = 4615743.8707977
x0= : -1.2799925454495E-12
y0= : -3.9296346747203E-12
*****
i=31444
k(31444)=0.99993227299522
kQ(31444)=0.99986455057739
r1= : 4.1336641233668E-12
rpunto1: = 3489061.4507335
rduepunti0 : = -1.2615103404762E+25
fil : = 488.20293859203
fipunto1 : = 7.3002454521003E+17
fi_gradi : = 27971.967927208
t1 : = 1.0809130569598E-14
tpunto1 : = 1.0005119375365
tduepunti0 : = -1.1536046720919E+15
v=v_elettrone : = 4614428.7438463
x0= : -1.2797827725755E-12
y0= : -3.9301337055698E-12
```

```
*****
i=31445
k(31445)=0.9999323304118
kQ(31445)=0.99986466540278
r1= : 4.1340733159347E-12
rpunto1 : = 3487582.2352097
rduepunti0 : = -1.2612824050731E+25
fil : = 488.20302420835
fipunto1 : = 7.2988001454215E+17
fi_gradi : = 27971.972832662
t1 : = 1.0809130686937E-14
tpunto1 : = 1.0005118023274
tduepunti0 : = -1.1528870855693E+15
v=v_elettrone : = 4613114.0597806
x0= : -1.279572936608E-12
y0= : -3.93063254257E-12
*****
i=31446
k(31446)=0.99993238779367
kQ(31446)=0.99986478015875
r1= : 4.1344823350222E-12
rpunto1 : = 3486103.2868204
rduepunti0 : = -1.2610546274465E+25
fil : = 488.20310980772
fipunto1 : = 7.2973558804814E+17
fi_gradi : = 27971.977737145
t1 : = 1.0809130804276E-14
tpunto1 : = 1.0005116672024
tduepunti0 : = -1.1521699460286E+15
v=v_elettrone : = 4611799.8186717
x0= : -1.2793630375759E-12
y0= : -3.931131185754E-12
*****
i=31447
k(31447)=0.99993244514085
kQ(31447)=0.99986489484535
r1= : 4.1348911806604E-12
rpunto1 : = 3484624.6053808
rduepunti0 : = -1.2608270074797E+25
fil : = 488.20319539016
fipunto1 : = 7.2959126564543E+17
fi_gradi : = 27971.982640657
t1 : = 1.0809130921614E-14
tpunto1 : = 1.0005115321614
tduepunti0 : = -1.1514532530158E+15
v=v_elettrone : = 4610486.0206345
x0= : -1.2791530755085E-12
y0= : -3.9316296351548E-12
*****
i=31448
k(31448)=0.99993250245335
kQ(31448)=0.99986500946261
r1= : 4.1352998528809E-12
rpunto1 : = 3483146.1907062
rduepunti0 : = -1.2605995450558E+25
fil : = 488.20328095567
fipunto1 : = 7.294470472515E+17
fi_gradi : = 27971.9875432
t1 : = 1.0809131038953E-14
tpunto1 : = 1.0005113972045
tduepunti0 : = -1.1507370060774E+15
v=v_elettrone : = 4609172.6644191
x0= : -1.2789430504346E-12
y0= : -3.9321278908052E-12
```

```
*****
i=31449
k(31449)=0.9999325597312
kQ(31449)=0.99986512401059
r1= : 4.1357083517148E-12
rpunto1 : = 3481668.042612
rduepunti0 : = -1.2603722400584E+25
fil : = 488.20336650427
fipunto1 : = 7.2930293278396E+17
fi_gradi : = 27971.992444773
t1 : = 1.0809131156292E-14
tpunto1 : = 1.0005112623315
tduepunti0 : = -1.1500212047605E+15
v=v_elettrone : = 4607859.7514705
x0= : -1.2787329623836E-12
y0= : -3.9326259527383E-12
*****
i=31450
k(31450)=0.99993261697442
kQ(31450)=0.99986523848931
r1= : 4.1361166771935E-12
rpunto1 : = 3480190.1609136
rduepunti0 : = -1.2601450923708E+25
fil : = 488.20345203596
fipunto1 : = 7.2915892216049E+17
fi_gradi : = 27971.997345378
t1 : = 1.080913127363E-14
tpunto1 : = 1.0005111275424
tduepunti0 : = -1.1493058486127E+15
v=v_elettrone : = 4606547.2818379
x0= : -1.2785228113844E-12
y0= : -3.9331238209868E-12
*****
i=31451
k(31451)=0.99993267418303
kQ(31451)=0.99986535289882
r1= : 4.1365248293481E-12
rpunto1 : = 3478712.5454266
rduepunti0 : = -1.2599181018767E+25
fil : = 488.20353755077
fipunto1 : = 7.2901501529888E+17
fi_gradi : = 27972.002245016
t1 : = 1.0809131390969E-14
tpunto1 : = 1.0005109928372
tduepunti0 : = -1.1485909371823E+15
v=v_elettrone : = 4605235.2543384
x0= : -1.2783125974657E-12
y0= : -3.9336214955838E-12
*****
i=31452
k(31452)=0.99993273135704
kQ(31452)=0.99986546723915
r1= : 4.1369328082099E-12
rpunto1 : = 3477235.195967
rduepunti0 : = -1.25969126846E+25
fil : = 488.2036230487
fipunto1 : = 7.28871212117E+17
fi_gradi : = 27972.007143686
t1 : = 1.0809131508308E-14
tpunto1 : = 1.0005108582157
tduepunti0 : = -1.1478764700178E+15
v=v_elettrone : = 4603923.6690548
x0= : -1.2781023206566E-12
y0= : -3.9341189765621E-12
```

```
*****
i=31453
k(31453)=0.99993278849649
kQ(31453)=0.99986558151036
r1= : 4.1373406138101E-12
rpunto1: = 3475758.1123505
rduepunti0 : = -1.2594645920044E+25
fil : = 488.20370852976
fipunto1 : = 7.2872751253284E+17
fi_gradi : = 27972.01204139
t1 : = 1.0809131625646E-14
tpunto1 : = 1.000510723678
tduepunti0 : = -1.1471624466685E+15
v=v_elettrone : = 4602612.5260713
x0= : -1.2778919809861E-12
y0= : -3.9346162639545E-12
*****
i=31454
k(31454)=0.99993284560138
kQ(31454)=0.99986569571248
r1= : 4.1377482461799E-12
rpunto1: = 3474281.2943933
rduepunti0 : = -1.2592380723942E+25
fil : = 488.20379399397
fipunto1 : = 7.2858391646447E+17
fi_gradi : = 27972.016938129
t1 : = 1.0809131742985E-14
tpunto1 : = 1.000510589224
tduepunti0 : = -1.1464488666843E+15
v=v_elettrone : = 4601301.8254963
x0= : -1.2776815784832E-12
y0= : -3.9351133577938E-12
*****
i=31455
k(31455)=0.99993290267175
kQ(31455)=0.99986580984554
r1= : 4.1381557053503E-12
rpunto1: = 3472804.7419115
rduepunti0 : = -1.2590117095134E+25
fil : = 488.20387944134
fipunto1 : = 7.2844042383004E+17
fi_gradi : = 27972.021833902
t1 : = 1.0809131860323E-14
tpunto1 : = 1.0005104548536
tduepunti0 : = -1.1457357296154E+15
v=v_elettrone : = 4599991.5660966
x0= : -1.2774711131766E-12
y0= : -3.935610258113E-12
*****
i=31456
k(31456)=0.9999329597076
kQ(31456)=0.9998659239096
r1= : 4.1385629913527E-12
rpunto1: = 3471328.4547214
rduepunti0 : = -1.2587855032462E+25
fil : = 488.20396487188
fipunto1 : = 7.2829703454782E+17
fi_gradi : = 27972.026728712
t1 : = 1.0809131977662E-14
tpunto1 : = 1.0005103205668
tduepunti0 : = -1.1450230350126E+15
v=v_elettrone : = 4598681.7479754
x0= : -1.2772605850953E-12
y0= : -3.9361069649446E-12
```

```
*****
i=31457
k(31457)=0.99993301670896
kQ(31457)=0.99986603790469
r1= : 4.138970104218E-12
rpunto1: = 3469852.4326396
rduepunti0 : = -1.2585594534773E+25
fil : = 488.20405028561
fipunto1 : = 7.2815374853616E+17
fi_gradi : = 27972.031622558
t1 : = 1.0809132095E-14
tpunto1 : = 1.0005101863635
tduepunti0 : = -1.1443107824275E+15
v=v_elettrone : = 4597372.3725392
x0= : -1.2770499942685E-12
y0= : -3.9366034783215E-12
*****
i=31458
k(31458)=0.99993307367586
kQ(31458)=0.99986615183085
r1= : 4.1393770439773E-12
rpunto1: = 3468376.6754825
rduepunti0 : = -1.2583335600909E+25
fil : = 488.20413568253
fipunto1 : = 7.280105657135E+17
fi_gradi : = 27972.036515441
t1 : = 1.0809132212339E-14
tpunto1 : = 1.0005100522437
tduepunti0 : = -1.1435989714118E+15
v=v_elettrone : = 4596063.438559
x0= : -1.2768393407247E-12
y0= : -3.9370997982764E-12
*****
i=31459
k(31459)=0.9999331306083
kQ(31459)=0.99986626568812
r1= : 4.1397838106618E-12
rpunto1: = 3466901.183067
rduepunti0 : = -1.2581078229719E+25
fil : = 488.20422106265
fipunto1 : = 7.278674859984E+17
fi_gradi : = 27972.041407362
t1 : = 1.0809132329677E-14
tpunto1 : = 1.0005099182074
tduepunti0 : = -1.1428876015181E+15
v=v_elettrone : = 4594754.9461375
x0= : -1.2766286244927E-12
y0= : -3.937595924842E-12
*****
i=31460
k(31460)=0.99993318750632
kQ(31460)=0.99986637947654
r1= : 4.1401904043025E-12
rpunto1: = 3465425.95521
rduepunti0 : = -1.2578822420051E+25
fil : = 488.204306426
fipunto1 : = 7.2772450930947E+17
fi_gradi : = 27972.046298321
t1 : = 1.0809132447016E-14
tpunto1 : = 1.0005097842544
tduepunti0 : = -1.1421766722993E+15
v=v_elettrone : = 4593446.8953696
x0= : -1.2764178456015E-12
y0= : -3.938091858051E-12
```

```
*****
i=31461
k(31461)=0.99993324436992
kQ(31461)=0.99986649319615
r1= : 4.1405968249303E-12
rpunto1 : = 3463950.9917283
rduepunti0 : = -1.2576568170753E+25
fil : = 488.20439177258
fipunto1 : = 7.2758163556547E+17
fi_gradi : = 27972.05118832
t1 : = 1.0809132564354E-14
tpunto1 : = 1.0005096503847
tduepunti0 : = -1.141466183309E+15
v=v_elettrone : = 4592139.2850199
x0= : -1.2762070040798E-12
y0= : -3.9385875979361E-12
*****
i=31462
k(31462)=0.99993330119913
kQ(31462)=0.999866606847
r1= : 4.1410030725764E-12
rpunto1 : = 3462476.2924392
rduepunti0 : = -1.2574315480675E+25
fil : = 488.2044771024
fipunto1 : = 7.2743886468519E+17
fi_gradi : = 27972.056077359
t1 : = 1.0809132681693E-14
tpunto1 : = 1.0005095165983
tduepunti0 : = -1.1407561341011E+15
v=v_elettrone : = 4590832.1152088
x0= : -1.2759960999564E-12
y0= : -3.9390831445299E-12
*****
i=31463
k(31463)=0.99993335799398
kQ(31463)=0.99986672042912
r1= : 4.1414091472717E-12
rpunto1 : = 3461001.8571599
rduepunti0 : = -1.2572064348671E+25
fil : = 488.20456241548
fipunto1 : = 7.2729619658757E+17
fi_gradi : = 27972.060965438
t1 : = 1.0809132799031E-14
tpunto1 : = 1.0005093828952
tduepunti0 : = -1.1400465242304E+15
v=v_elettrone : = 4589525.3873167
x0= : -1.2757851332602E-12
y0= : -3.9395784978649E-12
*****
i=31464
k(31464)=0.99993341475448
kQ(31464)=0.99986683394255
r1= : 4.1418150490471E-12
rpunto1 : = 3459527.6857078
rduepunti0 : = -1.2569814773592E+25
fil : = 488.20464771183
fipunto1 : = 7.2715363119161E+17
fi_gradi : = 27972.065852559
t1 : = 1.080913291637E-14
tpunto1 : = 1.0005092492752
tduepunti0 : = -1.1393373532518E+15
v=v_elettrone : = 4588219.1001422
x0= : -1.2755741040198E-12
y0= : -3.9400736579739E-12
```

```
*****
i=31465
k(31465)=0.99993347148064
kQ(31465)=0.99986694738733
r1= : 4.1422207779336E-12
rpunto1 : = 3458053.7779005
rduepunti0 : = -1.2567566754293E+25
fil : = 488.20473299146
fipunto1 : = 7.2701116841642E+17
fi_gradi : = 27972.070738722
t1 : = 1.0809133033708E-14
tpunto1 : = 1.0005091157383
tduepunti0 : = -1.1386286207211E+15
v=v_elettrone : = 4586913.2537701
x0= : -1.275363012264E-12
y0= : -3.9405686248893E-12
*****
i=31466
k(31466)=0.9999335281725
kQ(31466)=0.9998670607635
r1= : 4.1426263339622E-12
rpunto1 : = 3456580.1335557
rduepunti0 : = -1.2565320289629E+25
fil : = 488.20481825438
fipunto1 : = 7.2686880818118E+17
fi_gradi : = 27972.075623927
t1 : = 1.0809133151047E-14
tpunto1 : = 1.0005089822845
tduepunti0 : = -1.1379203261943E+15
v=v_elettrone : = 4585607.8469868
x0= : -1.2751518580214E-12
y0= : -3.9410633986438E-12
*****
i=31467
k(31467)=0.99993358483007
kQ(31467)=0.99986717407111
r1= : 4.1430317171636E-12
rpunto1 : = 3455106.7524911
rduepunti0 : = -1.2563075378457E+25
fil : = 488.2049035006
fipunto1 : = 7.267265504052E+17
fi_gradi : = 27972.080508176
t1 : = 1.0809133268385E-14
tpunto1 : = 1.0005088489137
tduepunti0 : = -1.1372124692283E+15
v=v_elettrone : = 4584302.8811783
x0= : -1.274940641321E-12
y0= : -3.9415579792697E-12
*****
i=31468
k(31468)=0.99993364145336
kQ(31468)=0.99986728731018
r1= : 4.1434369275689E-12
rpunto1 : = 3453633.6345246
rduepunti0 : = -1.2560832019635E+25
fil : = 488.20498873014
fipunto1 : = 7.2658439500785E+17
fi_gradi : = 27972.085391469
t1 : = 1.0809133385723E-14
tpunto1 : = 1.0005087156259
tduepunti0 : = -1.1365050493802E+15
v=v_elettrone : = 4582998.3551473
x0= : -1.2747293621912E-12
y0= : -3.9420523667997E-12
```

```
*****
i=31469
k(31469)=0.99993369804241
kQ(31469)=0.99986740048077
r1= : 4.1438419652088E-12
rpunto1: = 3452160.7794745
rduepunti0 : = -1.2558590212023E+25
fil : = 488.20507394301
fipunto1 : = 7.264423419086E+17
fi_gradi : = 27972.090273807
t1 : = 1.0809133503062E-14
tpunto1 : = 1.000508582421
tduepunti0 : = -1.1357980662077E+15
v=v_elettrone : = 4581694.2703032
x0= : -1.2745180206608E-12
y0= : -3.9425465612662E-12
*****
i=31470
k(31470)=0.99993375459723
kQ(31470)=0.99986751358291
r1= : 4.1442468301142E-12
rpunto1: = 3450688.1871588
rduepunti0 : = -1.255634995448E+25
fil : = 488.20515913922
fipunto1 : = 7.2630039102703E+17
fi_gradi : = 27972.09515519
t1 : = 1.08091336204E-14
tpunto1 : = 1.0005084492989
tduepunti0 : = -1.1350915192692E+15
v=v_elettrone : = 4580390.6254122
x0= : -1.2743066167583E-12
y0= : -3.9430405627017E-12
*****
i=31471
k(31471)=0.99993381111784
kQ(31471)=0.99986762661664
r1= : 4.1446515223159E-12
rpunto1: = 3449215.8573959
rduepunti0 : = -1.2554111245869E+25
fil : = 488.20524431878
fipunto1 : = 7.2615854228279E+17
fi_gradi : = 27972.100035619
t1 : = 1.0809133737738E-14
tpunto1 : = 1.0005083162597
tduepunti0 : = -1.1343854081234E+15
v=v_elettrone : = 4579087.4192563
x0= : -1.2740951505124E-12
y0= : -3.9435343711387E-12
*****
i=31472
k(31472)=0.99993386760426
kQ(31472)=0.999867739582
r1= : 4.1450560418446E-12
rpunto1: = 3447743.7900044
rduepunti0 : = -1.2551874085052E+25
fil : = 488.20532948171
fipunto1 : = 7.2601679559564E+17
fi_gradi : = 27972.104915096
t1 : = 1.0809133855077E-14
tpunto1 : = 1.0005081833032
tduepunti0 : = -1.1336797323296E+15
v=v_elettrone : = 4577784.6545627
x0= : -1.2738836219519E-12
y0= : -3.9440279866094E-12
```



```

*****
i=31473
k(31473)=0.9999339240565
kQ(31473)=0.99986785247904
r1= : 4.1454603887313E-12
rpunto1 : = 3446271.9848027
rduepunti0 : = -1.2549638470894E+25
fil : = 488.20541462801
fipunto1 : = 7.2587515088542E+17
fi_gradi : = 27972.109793619
t1 : = 1.0809133972415E-14
tpunto1 : = 1.0005080504294
tduepunti0 : = -1.1329744914477E+15
v=v_elettrone : = 4576482.3274695
x0= : -1.273672031105E-12
y0= : -3.9445214091463E-12
*****
i=31474
k(31474)=0.9999339804746
kQ(31474)=0.99986796530778
r1= : 4.1458645630065E-12
rpunto1 : = 3444800.4416097
rduepunti0 : = -1.2547404402259E+25
fil : = 488.2054997577
fipunto1 : = 7.2573360807207E+17
fi_gradi : = 27972.114671191
t1 : = 1.0809134089753E-14
tpunto1 : = 1.0005079176383
tduepunti0 : = -1.1322696850381E+15
v=v_elettrone : = 4575180.4420374
x0= : -1.2734603780006E-12
y0= : -3.9450146387818E-12
*****
i=31475
k(31475)=0.99993403685857
kQ(31475)=0.99986807806827
r1= : 4.1462685647011E-12
rpunto1 : = 3443329.1602443
rduepunti0 : = -1.2545171878016E+25
fil : = 488.20558487079
fipunto1 : = 7.2559216707562E+17
fi_gradi : = 27972.119547812
t1 : = 1.0809134207091E-14
tpunto1 : = 1.0005077849298
tduepunti0 : = -1.1315653126615E+15
v=v_elettrone : = 4573878.9943846
x0= : -1.2732486626671E-12
y0= : -3.9455076755482E-12
*****
i=31476
k(31476)=0.99993409320843
kQ(31476)=0.99986819076056
r1= : 4.1466723938457E-12
rpunto1 : = 3441858.1405253
rduepunti0 : = -1.2542940897031E+25
fil : = 488.20566996729
fipunto1 : = 7.2545082781619E+17
fi_gradi : = 27972.124423482
t1 : = 1.080913432443E-14
tpunto1 : = 1.0005076523039
tduepunti0 : = -1.1308613738796E+15
v=v_elettrone : = 4572577.9872659
x0= : -1.2730368851331E-12
y0= : -3.9460005194778E-12

```

```
*****
i=31477
k(31477)=0.99993414952419
kQ(31477)=0.99986830338467
r1= : 4.1470760504711E-12
rpunto1: = 3440387.382272
rduepunti0 : = -1.2540711458174E+25
fil : = 488.20575504721
fipunto1 : = 7.2530959021398E+17
fi_gradi : = 27972.129298203
t1 : = 1.0809134441768E-14
tpunto1 : = 1.0005075197604
tduepunti0 : = -1.130157868254E+15
v=v_elettrone : = 4571277.4181246
x0= : -1.272825045427E-12
y0= : -3.946493170603E-12
*****
i=31478
k(31478)=0.99993420580589
kQ(31478)=0.99986841594065
r1= : 4.1474795346078E-12
rpunto1: = 3438916.8853037
rduepunti0 : = -1.2538483560315E+25
fil : = 488.20584011057
fipunto1 : = 7.2516845418931E+17
fi_gradi : = 27972.134171975
t1 : = 1.0809134559106E-14
tpunto1 : = 1.0005073872995
tduepunti0 : = -1.1294547953474E+15
v=v_elettrone : = 4569977.2883767
x0= : -1.2726131435776E-12
y0= : -3.9469856289559E-12
*****
i=31479
k(31479)=0.99993426205353
kQ(31479)=0.99986852842853
r1= : 4.1478828462866E-12
rpunto1: = 3437446.6494398
rduepunti0 : = -1.2536257202326E+25
fil : = 488.20592515738
fipunto1 : = 7.2502741966257E+17
fi_gradi : = 27972.139044798
t1 : = 1.0809134676444E-14
tpunto1 : = 1.0005072549209
tduepunti0 : = -1.1287521547226E+15
v=v_elettrone : = 4568677.5981036
x0= : -1.2724011796131E-12
y0= : -3.9474778945689E-12
*****
i=31480
k(31480)=0.99993431826714
kQ(31480)=0.99986864084837
r1= : 4.148285985538E-12
rpunto1: = 3435976.6744997
rduepunti0 : = -1.253403238308E+25
fil : = 488.20601018765
fipunto1 : = 7.2488648655425E+17
fi_gradi : = 27972.143916673
t1 : = 1.0809134793783E-14
tpunto1 : = 1.0005071226246
tduepunti0 : = -1.1280499459432E+15
v=v_elettrone : = 4567378.3461104
x0= : -1.2721891535621E-12
y0= : -3.9479699674741E-12
```

```
*****
i=31481
k(31481)=0.99993437444674
kQ(31481)=0.99986875320019
r1= : 4.1486889523927E-12
rpunto1 : = 3434506.9603032
rduepunti0 : = -1.253180910145E+25
fil : = 488.20609520139
fipunto1 : = 7.2474565478493E+17
fi_gradi : = 27972.148787602
t1 : = 1.0809134911121E-14
tpunto1 : = 1.0005069904107
tduepunti0 : = -1.127348168573E+15
v=v_elettrone : = 4566079.5337909
x0= : -1.271977065453E-12
y0= : -3.9484618477039E-12
*****
i=31482
k(31482)=0.99993443059235
kQ(31482)=0.99986886548404
r1= : 4.1490917468813E-12
rpunto1 : = 3433037.5066701
rduepunti0 : = -1.2529587356312E+25
fil : = 488.20618019861
fipunto1 : = 7.2460492427527E+17
fi_gradi : = 27972.153657584
t1 : = 1.0809135028459E-14
tpunto1 : = 1.0005068582791
tduepunti0 : = -1.1266468221767E+15
v=v_elettrone : = 4564781.1585897
x0= : -1.271764915314E-12
y0= : -3.9489535352903E-12
*****
i=31483
k(31483)=0.99993448670398
kQ(31483)=0.99986897769995
r1= : 4.1494943690342E-12
rpunto1 : = 3431568.3134202
rduepunti0 : = -1.2527367146543E+25
fil : = 488.20626517933
fipunto1 : = 7.2446429494604E+17
fi_gradi : = 27972.15852662
t1 : = 1.0809135145797E-14
tpunto1 : = 1.0005067262296
tduepunti0 : = -1.1259459063193E+15
v=v_elettrone : = 4563483.2232659
x0= : -1.2715527031739E-12
y0= : -3.9494450302656E-12
*****
i=31484
k(31484)=0.99993454278166
kQ(31484)=0.99986908984797
r1= : 4.1498968188821E-12
rpunto1 : = 3430099.3803738
rduepunti0 : = -1.2525148471021E+25
fil : = 488.20635014356
fipunto1 : = 7.2432376671808E+17
fi_gradi : = 27972.163394712
t1 : = 1.0809135263135E-14
tpunto1 : = 1.0005065942623
tduepunti0 : = -1.1252454205663E+15
v=v_elettrone : = 4562185.725254
x0= : -1.2713404290609E-12
y0= : -3.9499363326618E-12
```

```
*****
i=31485
k(31485)=0.99993459882541
kQ(31485)=0.99986920192813
r1= : 4.1502990964554E-12
rpunto1: = 3428630.7073509
rduepunti0 : = -1.2522931328623E+25
fil : = 488.2064350913
fipunto1 : = 7.2418333951235E+17
fi_gradi : = 27972.168261859
t1 : = 1.0809135380473E-14
tpunto1 : = 1.0005064623771
tduepunti0 : = -1.1245453644837E+15
v=v_elettrone : = 4560888.6659789
x0= : -1.2711280930033E-12
y0= : -3.9504274425112E-12
*****
i=31486
k(31486)=0.99993465483524
kQ(31486)=0.99986931394048
r1= : 4.1507012017847E-12
rpunto1: = 3427162.2941719
rduepunti0 : = -1.2520715718231E+25
fil : = 488.20652002258
fipunto1 : = 7.2404301324987E+17
fi_gradi : = 27972.173128063
t1 : = 1.0809135497811E-14
tpunto1 : = 1.0005063305739
tduepunti0 : = -1.1238457376381E+15
v=v_elettrone : = 4559592.0442101
x0= : -1.2709156950296E-12
y0= : -3.9509183598458E-12
*****
i=31487
k(31487)=0.99993471081118
kQ(31487)=0.99986942588505
r1= : 4.1511031349004E-12
rpunto1: = 3425694.1406572
rduepunti0 : = -1.2518501638726E+25
fil : = 488.2066049374
fipunto1 : = 7.2390278785177E+17
fi_gradi : = 27972.177993324
t1 : = 1.0809135615149E-14
tpunto1 : = 1.0005061988528
tduepunti0 : = -1.1231465395965E+15
v=v_elettrone : = 4558295.8600482
x0= : -1.2707032351681E-12
y0= : -3.9514090846976E-12
*****
i=31488
k(31488)=0.99993476675325
kQ(31488)=0.99986953776188
r1= : 4.151504895833E-12
rpunto1: = 3424226.2466275
rduepunti0 : = -1.2516289088991E+25
fil : = 488.20668983577
fipunto1 : = 7.2376266323926E+17
fi_gradi : = 27972.182857642
t1 : = 1.0809135732487E-14
tpunto1 : = 1.0005060672135
tduepunti0 : = -1.1224477699267E+15
v=v_elettrone : = 4557000.1148914
x0= : -1.2704907134472E-12
y0= : -3.9518996170986E-12
```

```
*****
i=31489
k(31489)=0.99993482266146
kQ(31489)=0.99986964957101
r1= : 4.1519064846129E-12
rpunto1 : = 3422758.6119034
rduepunti0 : = -1.2514078067909E+25
fil : = 488.20677471771
fipunto1 : = 7.2362263933364E+17
fi_gradi : = 27972.187721019
t1 : = 1.0809135849826E-14
tpunto1 : = 1.0005059356562
tduepunti0 : = -1.1217494281966E+15
v=v_elettrone : = 4555704.8062141
x0= : -1.2702781298951E-12
y0= : -3.9523899570811E-12
*****
i=31490
k(31490)=0.99993487853584
kQ(31490)=0.99986976131248
r1= : 4.1523079012704E-12
rpunto1 : = 3421291.2363059
rduepunti0 : = -1.2511868574365E+25
fil : = 488.20685958323
fipunto1 : = 7.2348271605631E+17
fi_gradi : = 27972.192583455
t1 : = 1.0809135967164E-14
tpunto1 : = 1.0005058041808
tduepunti0 : = -1.1210515139749E+15
v=v_elettrone : = 4554409.9354175
x0= : -1.2700654845402E-12
y0= : -3.9528801046768E-12
*****
i=31491
k(31491)=0.99993493437639
kQ(31491)=0.99986987298632
r1= : 4.1527091458361E-12
rpunto1 : = 3419824.1196558
rduepunti0 : = -1.2509660607246E+25
fil : = 488.20694443234
fipunto1 : = 7.2334289332876E+17
fi_gradi : = 27972.197444951
t1 : = 1.0809136084502E-14
tpunto1 : = 1.0005056727871
tduepunti0 : = -1.1203540268306E+15
v=v_elettrone : = 4553115.5026049
x0= : -1.2698527774108E-12
y0= : -3.9533700599179E-12
*****
i=31492
k(31492)=0.99993499018316
kQ(31492)=0.99986998459259
r1= : 4.1531102183403E-12
rpunto1 : = 3418357.2617744
rduepunti0 : = -1.250745416544E+25
fil : = 488.20702926504
fipunto1 : = 7.2320317107256E+17
fi_gradi : = 27972.202305507
t1 : = 1.080913620184E-14
tpunto1 : = 1.0005055414752
tduepunti0 : = -1.1196569663335E+15
v=v_elettrone : = 4551821.5078738
x0= : -1.269640008535E-12
y0= : -3.9538598228362E-12
```

```
*****
i=31493
k(31493)=0.99993504595614
kQ(31493)=0.99987009613131
r1= : 4.1535111188133E-12
rpunto1: = 3416890.6624828
rduepunti0 : = -1.2505249247834E+25
fil : = 488.20711408137
fipunto1 : = 7.2306354920937E+17
fi_gradi : = 27972.207165124
t1 : = 1.0809136319178E-14
tpunto1 : = 1.000505410245
tduepunti0 : = -1.1189603320536E+15
v=v_elettrone : = 4550527.9486476
x0= : -1.2694271779409E-12
y0= : -3.9543493934638E-12
*****
i=31494
k(31494)=0.99993510169537
kQ(31494)=0.99987020760253
r1= : 4.1539118472855E-12
rpunto1: = 3415424.3216025
rduepunti0 : = -1.2503045853319E+25
fil : = 488.20719888132
fipunto1 : = 7.2292402766094E+17
fi_gradi : = 27972.212023803
t1 : = 1.0809136436516E-14
tpunto1 : = 1.0005052790965
tduepunti0 : = -1.1182641235616E+15
v=v_elettrone : = 4549234.827703
x0= : -1.269214285657E-12
y0= : -3.9548387718326E-12
*****
i=31495
k(31495)=0.99993515740086
kQ(31495)=0.99987031900628
r1= : 4.1543124037871E-12
rpunto1: = 3413958.2389549
rduepunti0 : = -1.2500843980787E+25
fil : = 488.2072836649
fipunto1 : = 7.2278460634913E+17
fi_gradi : = 27972.216881545
t1 : = 1.0809136553853E-14
tpunto1 : = 1.0005051480295
tduepunti0 : = -1.1175683404286E+15
v=v_elettrone : = 4547942.1437895
x0= : -1.2690013317114E-12
y0= : -3.9553279579743E-12
*****
i=31496
k(31496)=0.99993521307263
kQ(31496)=0.9998704303426
r1= : 4.1547127883484E-12
rpunto1: = 3412492.4143616
rduepunti0 : = -1.2498643629128E+25
fil : = 488.20736843214
fipunto1 : = 7.2264528519586E+17
fi_gradi : = 27972.22173835
t1 : = 1.0809136671191E-14
tpunto1 : = 1.0005050170441
tduepunti0 : = -1.1168729822262E+15
v=v_elettrone : = 4546649.8956766
x0= : -1.2687883161322E-12
y0= : -3.955816951921E-12
```

```
*****
i=31497
k(31497)=0.9999352687107
kQ(31497)=0.99987054161154
r1= : 4.1551130009998E-12
rpunto1: = 3411026.8476445
rduepunti0 : = -1.2496444797238E+25
fil : = 488.20745318303
fipunto1 : = 7.2250606412316E+17
fi_gradi : = 27972.226594218
t1 : = 1.0809136788529E-14
tpunto1 : = 1.0005048861402
tduepunti0 : = -1.1161780485266E+15
v=v_elettrone : = 4545358.0861352
x0= : -1.2685752389478E-12
y0= : -3.9563057537044E-12
*****
i=31498
k(31498)=0.99993532431509
kQ(31498)=0.99987065281313
r1= : 4.1555130417714E-12
rpunto1: = 3409561.5386254
rduepunti0 : = -1.249424748401E+25
fil : = 488.2075379176
fipunto1 : = 7.2236694305314E+17
fi_gradi : = 27972.231449151
t1 : = 1.0809136905867E-14
tpunto1 : = 1.0005047553177
tduepunti0 : = -1.1154835389025E+15
v=v_elettrone : = 4544066.7112398
x0= : -1.268362100186E-12
y0= : -3.9567943633564E-12
*****
i=31499
k(31499)=0.99993537988582
kQ(31499)=0.9998707639474
r1= : 4.1559129106935E-12
rpunto1: = 3408096.4871264
rduepunti0 : = -1.249205168834E+25
fil : = 488.20762263585
fipunto1 : = 7.2222792190799E+17
fi_gradi : = 27972.23630315
t1 : = 1.0809137023205E-14
tpunto1 : = 1.0005046245767
tduepunti0 : = -1.1147894529271E+15
v=v_elettrone : = 4542775.7737815
x0= : -1.2681488998753E-12
y0= : -3.9572827809088E-12
*****
i=31500
k(31500)=0.99993543542291
kQ(31500)=0.99987087501441
r1= : 4.1563126077963E-12
rpunto1: = 3406631.6929696
rduepunti0 : = -1.2489857409127E+25
fil : = 488.2077073378
fipunto1 : = 7.2208900061001E+17
fi_gradi : = 27972.241156214
t1 : = 1.0809137140543E-14
tpunto1 : = 1.000504493917
tduepunti0 : = -1.1140957901739E+15
v=v_elettrone : = 4541485.2724914
x0= : -1.2679356380435E-12
y0= : -3.9577710063934E-12
```

```
*****
i=31501
k(31501)=0.99993549092638
kQ(31501)=0.99987098601418
r1= : 4.1567121331099E-12
rpunto1 : = 3405167.1559772
rduepunto10 : = -1.2487664645267E+25
fil : = 488.20779202345
fipunto1 : = 7.2195017908158E+17
fi_gradi : = 27972.246008344
t1 : = 1.0809137257881E-14
tpunto1 : = 1.0005043633386
tduepunto10 : = -1.1134025502171E+15
v=v_elettrone : = 4540195.2088197
x0= : -1.267722314719E-12
y0= : -3.9582590398418E-12
*****
i=31502
k(31502)=0.99993554639624
kQ(31502)=0.99987109694675
r1= : 4.1571114866645E-12
rpunto1 : = 3403702.8759717
rduepunto10 : = -1.2485473395661E+25
fil : = 488.20787669282
fipunto1 : = 7.2181145724516E+17
fi_gradi : = 27972.250859542
t1 : = 1.0809137375219E-14
tpunto1 : = 1.0005042328415
tduepunto10 : = -1.1127097326315E+15
v=v_elettrone : = 4538905.5801998
x0= : -1.2675089299295E-12
y0= : -3.958746881286E-12
*****
i=31503
k(31503)=0.99993560183253
kQ(31503)=0.99987120781217
r1= : 4.1575106684903E-12
rpunto1 : = 3402238.8527757
rduepunto10 : = -1.2483283659209E+25
fil : = 488.20796134593
fipunto1 : = 7.2167283502332E+17
fi_gradi : = 27972.255709808
t1 : = 1.0809137492557E-14
tpunto1 : = 1.0005041024255
tduepunto10 : = -1.1120173369921E+15
v=v_elettrone : = 4537616.386719
x0= : -1.2672954837032E-12
y0= : -3.9592345307576E-12
*****
i=31504
k(31504)=0.99993565723524
kQ(31504)=0.99987131861048
r1= : 4.1579096786173E-12
rpunto1 : = 3400775.0862117
rduepunto10 : = -1.2481095434813E+25
fil : = 488.20804598278
fipunto1 : = 7.2153431233868E+17
fi_gradi : = 27972.260559142
t1 : = 1.0809137609894E-14
tpunto1 : = 1.0005039720907
tduepunto10 : = -1.1113253628746E+15
v=v_elettrone : = 4536327.6298106
x0= : -1.2670819760684E-12
y0= : -3.9597219882882E-12
```



```
*****
i=31505
k(31505)=0.99993571260441
kQ(31505)=0.9998714293417
r1= : 4.1583085170758E-12
rpunto1 : = 3399311.5761027
rduepunti0 : = -1.2478908721376E+25
fil : = 488.20813060338
fipunto1 : = 7.21395889114E+17
fi_gradi : = 27972.265407545
t1 : = 1.0809137727232E-14
tpunto1 : = 1.000503841837
tduepunti0 : = -1.1106338098552E+15
v=v_elettrone : = 4535039.3095556
x0= : -1.266868407053E-12
y0= : -3.9602092539096E-12
*****
i=31506
k(31506)=0.99993576794006
kQ(31506)=0.99987154000588
r1= : 4.1587071838956E-12
rpunto1 : = 3397848.3222715
rduepunti0 : = -1.2476723517803E+25
fil : = 488.20821520774
fipunto1 : = 7.2125756527208E+17
fi_gradi : = 27972.270255018
t1 : = 1.080913784457E-14
tpunto1 : = 1.0005037116644
tduepunti0 : = -1.1099426775105E+15
v=v_elettrone : = 4533751.4247379
x0= : -1.2666547766848E-12
y0= : -3.9606963276533E-12
*****
i=31507
k(31507)=0.9999358232422
kQ(31507)=0.99987165060306
r1= : 4.159105679107E-12
rpunto1 : = 3396385.3245411
rduepunti0 : = -1.2474539822999E+25
fil : = 488.20829979589
fipunto1 : = 7.2111934073584E+17
fi_gradi : = 27972.275101562
t1 : = 1.0809137961908E-14
tpunto1 : = 1.0005035815728
tduepunti0 : = -1.1092519654178E+15
v=v_elettrone : = 4532463.9754536
x0= : -1.2664410849919E-12
y0= : -3.9611832095511E-12
*****
i=31508
k(31508)=0.99993587851086
kQ(31508)=0.99987176113328
r1= : 4.1595040027399E-12
rpunto1 : = 3394922.5827348
rduepunti0 : = -1.2472357635871E+25
fil : = 488.20838436782
fipunto1 : = 7.2098121542827E+17
fi_gradi : = 27972.279947177
t1 : = 1.0809138079245E-14
tpunto1 : = 1.0005034515621
tduepunti0 : = -1.1085616731546E+15
v=v_elettrone : = 4531176.9604465
x0= : -1.2662273320023E-12
y0= : -3.9616698996346E-12
```

```
*****
i=31509
k(31509)=0.99993593374604
kQ(31509)=0.99987187159657
r1= : 4.1599021548244E-12
rpunto1 : = 3393460.0966759
rduepunti0 : = -1.2470176955327E+25
fil : = 488.20846892356
fipunto1 : = 7.2084318927246E+17
fi_gradi : = 27972.284791864
t1 : = 1.0809138196583E-14
tpunto1 : = 1.0005033216324
tduepunti0 : = -1.107871800299E+15
v=v_elettrone : = 4529890.3824966
x0= : -1.2660135177441E-12
y0= : -3.9621563979352E-12
*****
i=31510
k(31510)=0.99993598894778
kQ(31510)=0.99987198199297
r1= : 4.1603001353904E-12
rpunto1 : = 3391997.8661877
rduepunti0 : = -1.2467997780275E+25
fil : = 488.20855346311
fipunto1 : = 7.2070526219159E+17
fi_gradi : = 27972.289635623
t1 : = 1.0809138313921E-14
tpunto1 : = 1.0005031917835
tduepunti0 : = -1.1071823464298E+15
v=v_elettrone : = 4528604.2390186
x0= : -1.2657996422449E-12
y0= : -3.9626427044846E-12
*****
i=31511
k(31511)=0.99993604411608
kQ(31511)=0.99987209232252
r1= : 4.1606979444679E-12
rpunto1 : = 3390535.891094
rduepunti0 : = -1.2465820109626E+25
fil : = 488.20863798648
fipunto1 : = 7.205674341089E+17
fi_gradi : = 27972.294478455
t1 : = 1.0809138431259E-14
tpunto1 : = 1.0005030620154
tduepunti0 : = -1.106493311126E+15
v=v_elettrone : = 4527318.5301272
x0= : -1.2655857055329E-12
y0= : -3.9631288193144E-12
*****
i=31512
k(31512)=0.99993609925098
kQ(31512)=0.99987220258526
r1= : 4.1610955820869E-12
rpunto1 : = 3389074.1712183
rduepunti0 : = -1.2463643942291E+25
fil : = 488.20872249368
fipunto1 : = 7.2042970494776E+17
fi_gradi : = 27972.299320362
t1 : = 1.0809138548596E-14
tpunto1 : = 1.0005029323281
tduepunti0 : = -1.1058046939674E+15
v=v_elettrone : = 4526033.25724
x0= : -1.265371707636E-12
y0= : -3.9636147424559E-12
```

```
*****
i=31513
k(31513)=0.99993615435248
kQ(31513)=0.99987231278123
r1= : 4.1614930482773E-12
rpunto1: = 3387612.7063845
rduepunti0 : = -1.2461469277183E+25
fil : = 488.20880698474
fipunto1 : = 7.2029207463159E+17
fi_gradi : = 27972.304161343
t1 : = 1.0809138665934E-14
tpunto1 : = 1.0005028027214
tduepunti0 : = -1.1051164945339E+15
v=v_elettrone : = 4524748.4191204
x0= : -1.265157648582E-12
y0= : -3.9641004739408E-12
*****
i=31514
k(31514)=0.99993620942061
kQ(31514)=0.99987242291047
r1= : 4.1618903430691E-12
rpunto1: = 3386151.4964165
rduepunti0 : = -1.2459296113216E+25
fil : = 488.20889145965
fipunto1 : = 7.2015454308393E+17
fi_gradi : = 27972.309001399
t1 : = 1.0809138783272E-14
tpunto1 : = 1.0005026731955
tduepunti0 : = -1.1044287124062E+15
v=v_elettrone : = 4523464.0145407
x0= : -1.2649435283987E-12
y0= : -3.9645860138006E-12
*****
i=31515
k(31515)=0.99993626445539
kQ(31515)=0.99987253297301
r1= : 4.162287466492E-12
rpunto1: = 3384690.5411384
rduepunti0 : = -1.2457124449304E+25
fil : = 488.20897591844
fipunto1 : = 7.2001711022837E+17
fi_gradi : = 27972.31384053
t1 : = 1.0809138900609E-14
tpunto1 : = 1.0005025437501
tduepunti0 : = -1.1037413471655E+15
v=v_elettrone : = 4522180.0462412
x0= : -1.2647293471141E-12
y0= : -3.9650713620665E-12
*****
i=31516
k(31516)=0.99993631945684
kQ(31516)=0.99987264296889
r1= : 4.162684418576E-12
rpunto1: = 3383229.8403744
rduepunti0 : = -1.2454954284364E+25
fil : = 488.2090603611
fipunto1 : = 7.1987977598862E+17
fi_gradi : = 27972.318678739
t1 : = 1.0809139017947E-14
tpunto1 : = 1.0005024143854
tduepunti0 : = -1.1030543983932E+15
v=v_elettrone : = 4520896.5116805
x0= : -1.264515104756E-12
y0= : -3.9655565187701E-12
```

```
*****
i=31517
k(31517)=0.99993637442497
kQ(31517)=0.99987275289815
r1= : 4.1630811993509E-12
rpunto1: = 3381769.3939489
rduepunti0 : = -1.2452785617313E+25
fil : = 488.20914478766
fipunto1 : = 7.1974254028846E+17
fi_gradi : = 27972.323516024
t1 : = 1.0809139135285E-14
tpunto1 : = 1.0005022851011
tduepunti0 : = -1.1023678656716E+15
v=v_elettrone : = 4519613.4122681
x0= : -1.2643008013521E-12
y0= : -3.9660414839429E-12
*****
i=31518
k(31518)=0.9999364293598
kQ(31518)=0.99987286276082
r1= : 4.1634778088466E-12
rpunto1: = 3380309.2016862
rduepunti0 : = -1.245061844707E+25
fil : = 488.20922919813
fipunto1 : = 7.1960540305176E+17
fi_gradi : = 27972.328352388
t1 : = 1.0809139252622E-14
tpunto1 : = 1.0005021558973
tduepunti0 : = -1.1016817485831E+15
v=v_elettrone : = 4518330.7454327
x0= : -1.2640864369302E-12
y0= : -3.9665262576161E-12
*****
i=31519
k(31519)=0.99993648426135
kQ(31519)=0.99987297255696
r1= : 4.1638742470928E-12
rpunto1: = 3378849.2634111
rduepunti0 : = -1.2448452772554E+25
fil : = 488.20931359251
fipunto1 : = 7.1946836420248E+17
fi_gradi : = 27972.33318783
t1 : = 1.080913936996E-14
tpunto1 : = 1.0005020267739
tduepunti0 : = -1.1009960467108E+15
v=v_elettrone : = 4517048.5139449
x0= : -1.2638720115184E-12
y0= : -3.9670108398211E-12
*****
i=31520
k(31520)=0.99993653912965
kQ(31520)=0.99987308228658
r1= : 4.1642705141194E-12
rpunto1: = 3377389.5789481
rduepunti0 : = -1.2446288592686E+25
fil : = 488.20939797082
fipunto1 : = 7.1933142366466E+17
fi_gradi : = 27972.338022351
t1 : = 1.0809139487297E-14
tpunto1 : = 1.0005018977309
tduepunti0 : = -1.1003107596383E+15
v=v_elettrone : = 4515766.7165797
x0= : -1.2636575251443E-12
y0= : -3.9674952305893E-12
```

```
*****
i=31521
k(31521)=0.99993659396471
kQ(31521)=0.99987319194974
r1= : 4.1646666099561E-12
rpunto1: = 3375930.1481221
rduepunti0 : = -1.2444125906387E+25
fil : = 488.20948233307
fipunto1 : = 7.1919458136244E+17
fi_gradi : = 27972.342855951
t1 : = 1.0809139604635E-14
tpunto1 : = 1.0005017687682
tduepunti0 : = -1.0996258869495E+15
v=v_elettrone : = 4514485.3534086
x0= : -1.2634429778355E-12
y0= : -3.967979429952E-12
*****
i=31522
k(31522)=0.99993664876654
kQ(31522)=0.99987330154647
r1= : 4.1650625346326E-12
rpunto1: = 3374470.9707581
rduepunti0 : = -1.2441964712582E+25
fil : = 488.20956667927
fipunto1 : = 7.1905783722003E+17
fi_gradi : = 27972.347688633
t1 : = 1.0809139721972E-14
tpunto1 : = 1.0005016398858
tduepunti0 : = -1.0989414282291E+15
v=v_elettrone : = 4513204.4245372
x0= : -1.2632283696198E-12
y0= : -3.9684634379405E-12
*****
i=31523
k(31523)=0.99993670353518
kQ(31523)=0.9998734110768
r1= : 4.1654582881788E-12
rpunto1: = 3373012.0466813
rduepunti0 : = -1.2439805010194E+25
fil : = 488.20965100943
fipunto1 : = 7.1892119116173E+17
fi_gradi : = 27972.352520395
t1 : = 1.080913983931E-14
tpunto1 : = 1.0005015110836
tduepunti0 : = -1.098257383062E+15
v=v_elettrone : = 4511923.9287403
x0= : -1.2630137005248E-12
y0= : -3.9689472545861E-12
*****
i=31524
k(31524)=0.99993675827063
kQ(31524)=0.99987352054078
r1= : 4.1658538706242E-12
rpunto1: = 3371553.3757166
rduepunti0 : = -1.2437646798149E+25
fil : = 488.20973532357
fipunto1 : = 7.1878464311194E+17
fi_gradi : = 27972.357351239
t1 : = 1.0809139956647E-14
tpunto1 : = 1.0005013823616
tduepunti0 : = -1.0975737510338E+15
v=v_elettrone : = 4510643.8660908
x0= : -1.2627989705784E-12
y0= : -3.9694308799201E-12
```

```
*****
i=31525
k(31525)=0.99993681297292
kQ(31525)=0.99987362993844
r1= : 4.1662492819986E-12
rpunto1 : = 3370094.9576897
rduepunti0 : = -1.2435490075374E+25
fil : = 488.20981962169
fipunto1 : = 7.1864819299513E+17
fi_gradi : = 27972.362181166
t1 : = 1.0809140073985E-14
tpunto1 : = 1.0005012537197
tduepunti0 : = -1.0968905317303E+15
v=v_elettrone : = 4509364.23804
x0= : -1.2625841798083E-12
y0= : -3.9699143139736E-12
*****
i=31526
k(31526)=0.99993686764206
kQ(31526)=0.99987373926982
r1= : 4.1666445223316E-12
rpunto1 : = 3368636.7924258
rduepunti0 : = -1.2433334840796E+25
fil : = 488.20990390381
fipunto1 : = 7.1851184073586E+17
fi_gradi : = 27972.367010176
t1 : = 1.0809140191322E-14
tpunto1 : = 1.0005011251579
tduepunti0 : = -1.096207724738E+15
v=v_elettrone : = 4508085.0433447
x0= : -1.262369328242E-12
y0= : -3.9703975567779E-12
*****
i=31527
k(31527)=0.99993692227808
kQ(31527)=0.99987384853496
r1= : 4.167039591653E-12
rpunto1 : = 3367178.8797506
rduepunti0 : = -1.2431181093344E+25
fil : = 488.20998816994
fipunto1 : = 7.1837558625878E+17
fi_gradi : = 27972.37183827
t1 : = 1.080914030866E-14
tpunto1 : = 1.0005009966761
tduepunti0 : = -1.095525329644E+15
v=v_elettrone : = 4506806.2807508
x0= : -1.2621544159071E-12
y0= : -3.9708806083641E-12
*****
i=31528
k(31528)=0.99993697688099
kQ(31528)=0.9998739577339
r1= : 4.1674344899922E-12
rpunto1 : = 3365721.2194898
rduepunti0 : = -1.2429028831949E+25
fil : = 488.21007242009
fipunto1 : = 7.1823942948862E+17
fi_gradi : = 27972.376665448
t1 : = 1.0809140425997E-14
tpunto1 : = 1.0005008682743
tduepunti0 : = -1.0948433460355E+15
v=v_elettrone : = 4505527.9517057
x0= : -1.2619394428316E-12
y0= : -3.9713634687635E-12
```

```
*****
i=31529
k(31529)=0.99993703145082
kQ(31529)=0.99987406686667
r1= : 4.1678292173789E-12
rpunto1 : = 3364263.8114692
rduepunti0 : = -1.2426878055541E+25
fil : = 488.21015665427
fipunto1 : = 7.1810337035021E+17
fi_gradi : = 27972.381491711
t1 : = 1.0809140543335E-14
tpunto1 : = 1.0005007399525
tduepunti0 : = -1.0941617735005E+15
v=v_elettrone : = 4504250.0563056
x0= : -1.2617244090428E-12
y0= : -3.9718461380071E-12
*****
i=31530
k(31530)=0.99993708598757
kQ(31530)=0.99987417593331
r1= : 4.1682237738428E-12
rpunto1 : = 3362806.6555149
rduepunti0 : = -1.2424728763053E+25
fil : = 488.2102408725
fipunto1 : = 7.1796740876844E+17
fi_gradi : = 27972.38631706
t1 : = 1.0809140660672E-14
tpunto1 : = 1.0005006117105
tduepunti0 : = -1.0934806116274E+15
v=v_elettrone : = 4502972.5946418
x0= : -1.2615093145684E-12
y0= : -3.9723286161261E-12
*****
i=31531
k(31531)=0.99993714049127
kQ(31531)=0.99987428493386
r1= : 4.1686181594132E-12
rpunto1 : = 3361349.7514529
rduepunti0 : = -1.2422580953419E+25
fil : = 488.21032507478
fipunto1 : = 7.178315446683E+17
fi_gradi : = 27972.391141495
t1 : = 1.080914077801E-14
tpunto1 : = 1.0005004835484
tduepunti0 : = -1.0927998600051E+15
v=v_elettrone : = 4501695.5641375
x0= : -1.2612941594358E-12
y0= : -3.9728109031517E-12
*****
i=31532
k(31532)=0.99993719496194
kQ(31532)=0.99987439386835
r1= : 4.1690123741199E-12
rpunto1 : = 3359893.0991094
rduepunti0 : = -1.2420434625574E+25
fil : = 488.21040926112
fipunto1 : = 7.1769577797488E+17
fi_gradi : = 27972.395965017
t1 : = 1.0809140895347E-14
tpunto1 : = 1.000500355466
tduepunti0 : = -1.0921195182229E+15
v=v_elettrone : = 4500418.9675654
x0= : -1.2610789436729E-12
y0= : -3.9732929991148E-12
```

```
*****
i=31533
k(31533)=0.9999372493996
kQ(31533)=0.99987450273683
r1= : 4.1694064179923E-12
rpunto1 : = 3358436.6983108
rduepunti0 : = -1.2418289778452E+25
fil : = 488.21049343155
fipunto1 : = 7.1756010861332E+17
fi_gradi : = 27972.400787627
t1 : = 1.0809141012684E-14
tpunto1 : = 1.0005002274634
tduepunti0 : = -1.0914395858705E+15
v=v_elettrone : = 4499142.803694
x0= : -1.2608636673069E-12
y0= : -3.9737749040466E-12
*****
i=31534
k(31534)=0.99993730380426
kQ(31534)=0.99987461153933
r1= : 4.1698002910599E-12
rpunto1 : = 3356980.5488835
rduepunti0 : = -1.2416146410993E+25
fil : = 488.21057758606
fipunto1 : = 7.1742453650888E+17
fi_gradi : = 27972.405609325
t1 : = 1.0809141130022E-14
tpunto1 : = 1.0005000995405
tduepunti0 : = -1.0907600625384E+15
v=v_elettrone : = 4497867.0712533
x0= : -1.2606483303655E-12
y0= : -3.974256617978E-12
*****
i=31535
k(31535)=0.99993735817594
kQ(31535)=0.99987472027588
r1= : 4.1701939933522E-12
rpunto1 : = 3355524.6506541
rduepunti0 : = -1.2414004522132E+25
fil : = 488.21066172467
fipunto1 : = 7.1728906158688E+17
fi_gradi : = 27972.410430113
t1 : = 1.0809141247359E-14
tpunto1 : = 1.0004999716972
tduepunti0 : = -1.0900809478172E+15
v=v_elettrone : = 4496591.7717171
x0= : -1.2604329328763E-12
y0= : -3.9747381409402E-12
*****
i=31536
k(31536)=0.99993741251467
kQ(31536)=0.99987482894653
r1= : 4.1705875248987E-12
rpunto1 : = 3354069.0034494
rduepunti0 : = -1.2411864110811E+25
fil : = 488.2107458474
fipunto1 : = 7.1715368377275E+17
fi_gradi : = 27972.41524999
t1 : = 1.0809141364696E-14
tpunto1 : = 1.0004998439335
tduepunti0 : = -1.0894022412983E+15
v=v_elettrone : = 4495316.9051508
x0= : -1.2602174748666E-12
y0= : -3.975219472964E-12
```



```
*****
i=31537
k(31537)=0.99993746682046
kQ(31537)=0.99987493755132
r1= : 4.1709808857288E-12
rpunto1: = 3352613.6070961
rduepunti0 : = -1.2409725175968E+25
fil : = 488.21082995424
fipunto1 : = 7.1701840299197E+17
fi_gradi : = 27972.420068957
t1 : = 1.0809141482034E-14
tpunto1 : = 1.0004997162494
tduepunti0 : = -1.0887239425733E+15
v=v_elettrone : = 4494042.4703294
x0= : -1.260001956364E-12
y0= : -3.9757006140804E-12
*****
i=31538
k(31538)=0.99993752109333
kQ(31538)=0.99987504609027
r1= : 4.1713740758719E-12
rpunto1: = 3351158.4614213
rduepunti0 : = -1.2407587716547E+25
fil : = 488.21091404522
fipunto1 : = 7.1688321917013E+17
fi_gradi : = 27972.424887016
t1 : = 1.0809141599371E-14
tpunto1 : = 1.0004995886448
tduepunti0 : = -1.0880460512344E+15
v=v_elettrone : = 4492768.4673418
x0= : -1.2597863773959E-12
y0= : -3.9761815643205E-12
*****
i=31539
k(31539)=0.9999375753333
kQ(31539)=0.99987515456343
r1= : 4.1717670953574E-12
rpunto1: = 3349703.5662521
rduepunti0 : = -1.2405451731489E+25
fil : = 488.21099812035
fipunto1 : = 7.1674813223291E+17
fi_gradi : = 27972.429704166
t1 : = 1.0809141716708E-14
tpunto1 : = 1.0004994611196
tduepunti0 : = -1.0873685668744E+15
v=v_elettrone : = 4491494.8976333
x0= : -1.2595707379899E-12
y0= : -3.9766623237151E-12
*****
i=31540
k(31540)=0.99993762954038
kQ(31540)=0.99987526297084
r1= : 4.1721599442147E-12
rpunto1: = 3348248.9214156
rduepunti0 : = -1.2403317219739E+25
fil : = 488.21108217964
fipunto1 : = 7.1661314210605E+17
fi_gradi : = 27972.434520408
t1 : = 1.0809141834046E-14
tpunto1 : = 1.0004993336739
tduepunti0 : = -1.0866914890864E+15
v=v_elettrone : = 4490221.7586057
x0= : -1.2593550381731E-12
y0= : -3.9771428922953E-12
```

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*****
i=31541
k(31541)=0.9999376837146
kQ(31541)=0.99987537131253
r1= : 4.1725526224731E-12
rpunto1 : = 3346794.5267391
rduepunti0 : = -1.2401184180242E+25
fil : = 488.21116622309
fipunto1 : = 7.1647824871539E+17
fi_gradi : = 27972.439335743
t1 : = 1.0809141951383E-14
tpunto1 : = 1.0004992063075
tduepunti0 : = -1.0860148174639E+15
v=v_elettrone : = 4488949.0517251
x0= : -1.2591392779731E-12
y0= : -3.9776232700917E-12
*****
i=31542
k(31542)=0.99993773785598
kQ(31542)=0.99987547958853
r1= : 4.1729451301621E-12
rpunto1 : = 3345340.3820503
rduepunti0 : = -1.2399052611944E+25
fil : = 488.21125025072
fipunto1 : = 7.1634345198685E+17
fi_gradi : = 27972.444150172
t1 : = 1.080914206872E-14
tpunto1 : = 1.0004990790204
tduepunti0 : = -1.0853385516012E+15
v=v_elettrone : = 4487676.7757039
x0= : -1.2589234574173E-12
y0= : -3.9781034571353E-12
*****
i=31543
k(31543)=0.99993779196453
kQ(31543)=0.9998755877989
r1= : 4.1733374673108E-12
rpunto1 : = 3343886.4871765
rduepunti0 : = -1.2396922513791E+25
fil : = 488.21133426255
fipunto1 : = 7.1620875184644E+17
fi_gradi : = 27972.448963695
t1 : = 1.0809142186057E-14
tpunto1 : = 1.0004989518126
tduepunti0 : = -1.0846626910927E+15
v=v_elettrone : = 4486404.9320277
x0= : -1.2587075765332E-12
y0= : -3.9785834534569E-12
*****
i=31544
k(31544)=0.99993784604027
kQ(31544)=0.99987569594365
r1= : 4.1737296339487E-12
rpunto1 : = 3342432.8419456
rduepunti0 : = -1.2394793884733E+25
fil : = 488.21141825857
fipunto1 : = 7.1607414822024E+17
fi_gradi : = 27972.453776312
t1 : = 1.0809142303394E-14
tpunto1 : = 1.000498824684
tduepunti0 : = -1.0839872355335E+15
v=v_elettrone : = 4485133.5194063
x0= : -1.258491635348E-12
y0= : -3.9790632590874E-12

```

```

*****
i=31545
k(31545)=0.99993790008322
kQ(31545)=0.99987580402284
r1= : 4.1741216301049E-12
rpunto1: = 3340979.4461853
rduepunti0 : = -1.239266672372E+25
fil : = 488.21150223881
fipunto1 : = 7.1593964103443E+17
fi_gradi : = 27972.458588026
t1 : = 1.0809142420732E-14
tpunto1 : = 1.0004986976345
tduepunti0 : = -1.083312184519E+15
v=v_elettrone : = 4483862.5393227
x0= : -1.2582756338891E-12
y0= : -3.9795428740576E-12
*****
i=31546
k(31546)=0.9999379540934
kQ(31546)=0.99987591203649
r1= : 4.1745134558088E-12
rpunto1: = 3339526.2997237
rduepunti0 : = -1.2390541029701E+25
fil : = 488.21158620328
fipunto1 : = 7.1580523021527E+17
fi_gradi : = 27972.463398835
t1 : = 1.0809142538069E-14
tpunto1 : = 1.0004985706642
tduepunti0 : = -1.0826375376454E+15
v=v_elettrone : = 4482591.9891615
x0= : -1.2580595721837E-12
y0= : -3.9800222983982E-12
*****
i=31547
k(31547)=0.99993800807082
kQ(31547)=0.99987601998465
r1= : 4.1749051110896E-12
rpunto1: = 3338073.4023888
rduepunti0 : = -1.2388416801629E+25
fil : = 488.21167015198
fipunto1 : = 7.1567091568909E+17
fi_gradi : = 27972.468208742
t1 : = 1.0809142655406E-14
tpunto1 : = 1.000498443773
tduepunti0 : = -1.0819632945089E+15
v=v_elettrone : = 4481321.8703656
x0= : -1.2578434502593E-12
y0= : -3.98050153214E-12
*****
i=31548
k(31548)=0.99993806201552
kQ(31548)=0.99987612786734
r1= : 4.1752965959765E-12
rpunto1: = 3336620.7540087
rduepunti0 : = -1.2386294038457E+25
fil : = 488.21175408493
fipunto1 : = 7.1553669738232E+17
fi_gradi : = 27972.473017745
t1 : = 1.0809142772743E-14
tpunto1 : = 1.0004983169608
tduepunti0 : = -1.0812894547066E+15
v=v_elettrone : = 4480052.1830513
x0= : -1.2576272681431E-12
y0= : -3.9809805753137E-12

```

```
*****
i=31549
k(31549)=0.99993811592749
kQ(31549)=0.99987623568462
r1= : 4.1756879104987E-12
rpunto1 : = 3335168.3544119
rduepunti0 : = -1.2384172739138E+25
fil : = 488.21183800214
fipunto1 : = 7.1540257522146E+17
fi_gradi : = 27972.477825847
t1 : = 1.080914289008E-14
tpunto1 : = 1.0004981902275
tduepunti0 : = -1.0806160178357E+15
v=v_elettrone : = 4478782.9259432
x0= : -1.2574110258624E-12
y0= : -3.9814594279501E-12
*****
i=31550
k(31550)=0.99993816980677
kQ(31550)=0.99987634343651
r1= : 4.1760790546853E-12
rpunto1 : = 3333716.2034267
rduepunti0 : = -1.2382052902629E+25
fil : = 488.21192190362
fipunto1 : = 7.1526854913311E+17
fi_gradi : = 27972.482633048
t1 : = 1.0809143007417E-14
tpunto1 : = 1.0004980635732
tduepunti0 : = -1.0799429834942E+15
v=v_elettrone : = 4477514.1005041
x0= : -1.2571947234445E-12
y0= : -3.9819380900798E-12
*****
i=31551
k(31551)=0.99993822365337
kQ(31551)=0.99987645112305
r1= : 4.1764700285656E-12
rpunto1 : = 3332264.3008817
rduepunti0 : = -1.2379934527885E+25
fil : = 488.21200578938
fipunto1 : = 7.1513461904394E+17
fi_gradi : = 27972.487439348
t1 : = 1.0809143124755E-14
tpunto1 : = 1.0004979369978
tduepunti0 : = -1.0792703512804E+15
v=v_elettrone : = 4476245.7054873
x0= : -1.2569783609165E-12
y0= : -3.9824165617335E-12
*****
i=31552
k(31552)=0.9999382774673
kQ(31552)=0.99987655874428
r1= : 4.1768608321686E-12
rpunto1 : = 3330812.6466057
rduepunti0 : = -1.2377817613864E+25
fil : = 488.21208965943
fipunto1 : = 7.150007848807E+17
fi_gradi : = 27972.492244748
t1 : = 1.0809143242092E-14
tpunto1 : = 1.0004978105012
tduepunti0 : = -1.0785981207929E+15
v=v_elettrone : = 4474977.7409766
x0= : -1.2567619383057E-12
y0= : -3.9828948429419E-12
```

```
*****
i=31553
k(31553)=0.9999383312486
kQ(31553)=0.99987666630023
r1= : 4.1772514655236E-12
rpunto1: = 3329361.2404273
rduepunti0 : = -1.2375702159524E+25
fil : = 488.21217351379
fipunto1 : = 7.1486704657023E+17
fi_gradi : = 27972.497049249
t1 : = 1.0809143359429E-14
tpunto1 : = 1.0004976840834
tduepunti0 : = -1.0779262916312E+15
v=v_elettrone : = 4473710.2070877
x0= : -1.2565454556393E-12
y0= : -3.9833729337355E-12
*****
i=31554
k(31554)=0.99993838499727
kQ(31554)=0.99987677379095
r1= : 4.1776419286595E-12
rpunto1: = 3327910.0821757
rduepunti0 : = -1.2373588163826E+25
fil : = 488.21225735246
fipunto1 : = 7.1473340403946E+17
fi_gradi : = 27972.501852851
t1 : = 1.0809143476766E-14
tpunto1 : = 1.0004975577444
tduepunti0 : = -1.0772548633947E+15
v=v_elettrone : = 4472443.1025539
x0= : -1.2563289129445E-12
y0= : -3.9838508341451E-12
*****
i=31555
k(31555)=0.99993843871333
kQ(31555)=0.99987688121646
r1= : 4.1780322216054E-12
rpunto1: = 3326459.1716797
rduepunti0 : = -1.2371475625729E+25
fil : = 488.21234117546
fipunto1 : = 7.1459985721539E+17
fi_gradi : = 27972.506655555
t1 : = 1.0809143594103E-14
tpunto1 : = 1.0004974314841
tduepunti0 : = -1.0765838356839E+15
v=v_elettrone : = 4471176.4301715
x0= : -1.2561123102487E-12
y0= : -3.9843285442011E-12
*****
i=31556
k(31556)=0.99993849239681
kQ(31556)=0.99987698857681
r1= : 4.1784223443905E-12
rpunto1: = 3325008.5087686
rduepunti0 : = -1.2369364544197E+25
fil : = 488.2124249828
fipunto1 : = 7.144664060251E+17
fi_gradi : = 27972.511457362
t1 : = 1.080914371144E-14
tpunto1 : = 1.0004973053024
tduepunti0 : = -1.0759132080992E+15
v=v_elettrone : = 4469910.1860142
x0= : -1.2558956475787E-12
y0= : -3.9848060639341E-12
```

```
*****
i=31557
k(31557)=0.99993854604772
kQ(31557)=0.99987709587203
r1= : 4.1788122970437E-12
rpunto1: = 3323558.0932717
rduepunti0 : = -1.2367254918192E+25
fil : = 488.21250877449
fipunto1 : = 7.1433305039577E+17
fi_gradi : = 27972.516258272
t1 : = 1.0809143828777E-14
tpunto1 : = 1.0004971791993
tduepunti0 : = -1.0752429802417E+15
v=v_elettrone : = 4468644.372841
x0= : -1.2556789249619E-12
y0= : -3.9852833933747E-12
*****
i=31558
k(31558)=0.99993859966608
kQ(31558)=0.99987720310216
r1= : 4.1792020795941E-12
rpunto1: = 3322107.9250184
rduepunti0 : = -1.2365146746678E+25
fil : = 488.21259255053
fipunto1 : = 7.1419979025465E+17
fi_gradi : = 27972.521058286
t1 : = 1.0809143946114E-14
tpunto1 : = 1.0004970531747
tduepunti0 : = -1.074573151713E+15
v=v_elettrone : = 4467378.9907995
x0= : -1.2554621424253E-12
y0= : -3.9857605325535E-12
*****
i=31559
k(31559)=0.9999386532519
kQ(31559)=0.99987731026723
r1= : 4.1795916920707E-12
rpunto1: = 3320658.0038382
rduepunti0 : = -1.236304002862E+25
fil : = 488.21267631095
fipunto1 : = 7.1406662552907E+17
fi_gradi : = 27972.525857404
t1 : = 1.0809144063451E-14
tpunto1 : = 1.0004969272287
tduepunti0 : = -1.0739037221152E+15
v=v_elettrone : = 4466114.0372427
x0= : -1.2552452999959E-12
y0= : -3.9862374815008E-12
*****
i=31560
k(31560)=0.99993870680522
kQ(31560)=0.99987741736729
r1= : 4.1799811345024E-12
rpunto1: = 3319208.3295609
rduepunti0 : = -1.2360934762986E+25
fil : = 488.21276005575
fipunto1 : = 7.1393355614645E+17
fi_gradi : = 27972.530655628
t1 : = 1.0809144180788E-14
tpunto1 : = 1.0004968013611
tduepunti0 : = -1.0732346910507E+15
v=v_elettrone : = 4464849.513639
x0= : -1.255028397701E-12
y0= : -3.9867142402473E-12
```

```
*****
i=31561
k(31561)=0.99993876032603
kQ(31561)=0.99987752440236
r1= : 4.1803704069182E-12
rpunto1 : = 3317758.9020161
rduepunti0 : = -1.2358830948742E+25
fil : = 488.21284378495
fipunto1 : = 7.1380058203429E+17
fi_gradi : = 27972.535452957
t1 : = 1.0809144298125E-14
tpunto1 : = 1.000496675572
tduepunti0 : = -1.0725660581224E+15
v=v_elettrone : = 4463585.4201009
x0= : -1.2548114355676E-12
y0= : -3.9871908088232E-12
*****
i=31562
k(31562)=0.99993881381437
kQ(31562)=0.99987763137248
r1= : 4.180759509347E-12
rpunto1 : = 3316309.7210338
rduepunti0 : = -1.2356728584857E+25
fil : = 488.21292749855
fipunto1 : = 7.1366770312016E+17
fi_gradi : = 27972.540249393
t1 : = 1.0809144415462E-14
tpunto1 : = 1.0004965498612
tduepunti0 : = -1.0718978229336E+15
v=v_elettrone : = 4462321.7553386
x0= : -1.2545944136228E-12
y0= : -3.9876671872592E-12
*****
i=31563
k(31563)=0.99993886727025
kQ(31563)=0.9998777382777
r1= : 4.1811484418177E-12
rpunto1 : = 3314860.786444
rduepunti0 : = -1.2354627670301E+25
fil : = 488.21301119656
fipunto1 : = 7.1353491933173E+17
fi_gradi : = 27972.545044936
t1 : = 1.0809144532799E-14
tpunto1 : = 1.0004964242288
tduepunti0 : = -1.0712299850884E+15
v=v_elettrone : = 4461058.5208407
x0= : -1.2543773318936E-12
y0= : -3.9881433755855E-12
*****
i=31564
k(31564)=0.99993892069368
kQ(31564)=0.99987784511804
r1= : 4.1815372043594E-12
rpunto1 : = 3313412.0980769
rduepunti0 : = -1.2352528204045E+25
fil : = 488.21309487901
fipunto1 : = 7.1340223059675E+17
fi_gradi : = 27972.549839587
t1 : = 1.0809144650136E-14
tpunto1 : = 1.0004962986746
tduepunti0 : = -1.0705625441909E+15
v=v_elettrone : = 4459795.7153193
x0= : -1.254160190407E-12
y0= : -3.9886193738327E-12
```

```
*****
i=31565
k(31565)=0.99993897408469
kQ(31565)=0.99987795189355
r1= : 4.1819257970007E-12
rpunto1 : = 3311963.6557627
rduepunti0 : = -1.2350430185061E+25
fil : = 488.21317854589
fipunto1 : = 7.1326963684303E+17
fi_gradi : = 27972.554633346
t1 : = 1.0809144767472E-14
tpunto1 : = 1.0004961731986
tduepunti0 : = -1.069895499846E+15
v=v_elettrone : = 4458533.3389147
x0= : -1.2539429891901E-12
y0= : -3.9890951820309E-12
*****
i=31566
k(31566)=0.9999390274433
kQ(31566)=0.99987805860426
r1= : 4.1823142197706E-12
rpunto1 : = 3310515.4593318
rduepunti0 : = -1.2348333612322E+25
fil : = 488.21326219722
fipunto1 : = 7.1313713799848E+17
fi_gradi : = 27972.559426214
t1 : = 1.0809144884809E-14
tpunto1 : = 1.0004960478009
tduepunti0 : = -1.0692288516588E+15
v=v_elettrone : = 4457271.3916896
x0= : -1.2537257282699E-12
y0= : -3.9895708002107E-12
*****
i=31567
k(31567)=0.99993908076952
kQ(31567)=0.9998781652502
r1= : 4.1827024726979E-12
rpunto1 : = 3309067.5086148
rduepunti0 : = -1.2346238484801E+25
fil : = 488.21334583301
fipunto1 : = 7.130047339911E+17
fi_gradi : = 27972.564218192
t1 : = 1.0809145002146E-14
tpunto1 : = 1.0004959224813
tduepunti0 : = -1.068562599235E+15
v=v_elettrone : = 4456009.8737524
x0= : -1.2535084076733E-12
y0= : -3.9900462284023E-12
*****
i=31568
k(31568)=0.99993913406337
kQ(31568)=0.99987827183141
r1= : 4.1830905558115E-12
rpunto1 : = 3307619.8034422
rduepunti0 : = -1.2344144801475E+25
fil : = 488.21342945327
fipunto1 : = 7.1287242474895E+17
fi_gradi : = 27972.569009281
t1 : = 1.0809145119483E-14
tpunto1 : = 1.0004957972397
tduepunti0 : = -1.0678967421808E+15
v=v_elettrone : = 4454748.7838579
x0= : -1.2532910274273E-12
y0= : -3.9905214666361E-12
```



```
*****
i=31569
k(31569)=0.99993918732487
kQ(31569)=0.99987837834793
r1= : 4.1834784691401E-12
rpunto1: = 3306172.3436448
rduepunti0 : = -1.2342052561319E+25
fil : = 488.21351305802
fipunto1 : = 7.1274021020019E+17
fi_gradi : = 27972.57379948
t1 : = 1.080914523682E-14
tpunto1 : = 1.0004956720762
tduepunti0 : = -1.0672312801027E+15
v=v_elettrone : = 4453488.1234543
x0= : -1.2530735875589E-12
y0= : -3.9909965149423E-12
*****
i=31570
k(31570)=0.99993924055404
kQ(31570)=0.9998784847998
r1= : 4.1838662127125E-12
rpunto1: = 3304725.1290534
rduepunti0 : = -1.2339961763312E+25
fil : = 488.21359664726
fipunto1 : = 7.1260809027304E+17
fi_gradi : = 27972.57858879
t1 : = 1.0809145354157E-14
tpunto1 : = 1.0004955469907
tduepunti0 : = -1.0665662126077E+15
v=v_elettrone : = 4452227.8926402
x0= : -1.2528560880951E-12
y0= : -3.9914713733511E-12
*****
i=31571
k(31571)=0.9999392937509
kQ(31571)=0.99987859118704
r1= : 4.1842537865574E-12
rpunto1: = 3303278.1594991
rduepunti0 : = -1.2337872406431E+25
fil : = 488.21368022101
fipunto1 : = 7.1247606489581E+17
fi_gradi : = 27972.583377213
t1 : = 1.0809145471494E-14
tpunto1 : = 1.0004954219832
tduepunti0 : = -1.0659015393034E+15
v=v_elettrone : = 4450968.0901502
x0= : -1.2526385290625E-12
y0= : -3.991946041893E-12
*****
i=31572
k(31572)=0.99993934691545
kQ(31572)=0.9998786975097
r1= : 4.1846411907037E-12
rpunto1: = 3301831.4348129
rduepunti0 : = -1.2335784489656E+25
fil : = 488.21376377927
fipunto1 : = 7.1234413399691E+17
fi_gradi : = 27972.588164749
t1 : = 1.080914558883E-14
tpunto1 : = 1.0004952970536
tduepunti0 : = -1.0652372597977E+15
v=v_elettrone : = 4449708.7147519
x0= : -1.2524209104882E-12
y0= : -3.992420520598E-12
```

```
*****
i=31573
k(31573)=0.99993940004773
kQ(31573)=0.99987880376782
r1= : 4.1850284251799E-12
rpunto1: = 3300384.9548261
rduepunti0 : = -1.2333698011969E+25
fil : = 488.21384732206
fipunto1 : = 7.122122975048E+17
fi_gradi : = 27972.592951398
t1 : = 1.0809145706167E-14
tpunto1 : = 1.0004951722018
tduepunti0 : = -1.064573373699E+15
v=v_elettrone : = 4448449.7692235
x0= : -1.2522032323991E-12
y0= : -3.9928948094964E-12
*****
i=31574
k(31574)=0.99993945314775
kQ(31574)=0.99987890996142
r1= : 4.1854154900149E-12
rpunto1: = 3298938.71937
rduepunti0 : = -1.233161297235E+25
fil : = 488.21393084938
fipunto1 : = 7.1208055534804E+17
fi_gradi : = 27972.597737162
t1 : = 1.0809145823504E-14
tpunto1 : = 1.0004950474278
tduepunti0 : = -1.0639098806161E+15
v=v_elettrone : = 4447191.250986
x0= : -1.2519854948221E-12
y0= : -3.9933689086183E-12
*****
i=31575
k(31575)=0.99993950621552
kQ(31575)=0.99987901609055
r1= : 4.1858023852373E-12
rpunto1: = 3297492.7282762
rduepunti0 : = -1.2329529369783E+25
fil : = 488.21401436126
fipunto1 : = 7.1194890745527E+17
fi_gradi : = 27972.60252204
t1 : = 1.0809145940841E-14
tpunto1 : = 1.0004949227316
tduepunti0 : = -1.0632467801582E+15
v=v_elettrone : = 4445933.1614738
x0= : -1.251767697784E-12
y0= : -3.9938428179939E-12
*****
i=31576
k(31576)=0.99993955925108
kQ(31576)=0.99987912215524
r1= : 4.1861891108758E-12
rpunto1: = 3296046.981376
rduepunti0 : = -1.2327447203253E+25
fil : = 488.2140978577
fipunto1 : = 7.118173537552E+17
fi_gradi : = 27972.607306033
t1 : = 1.0809146058177E-14
tpunto1 : = 1.0004947981132
tduepunti0 : = -1.0625840719353E+15
v=v_elettrone : = 4444675.5007864
x0= : -1.2515498413116E-12
y0= : -3.9943165376534E-12
```

```
*****
i=31577
k(31577)=0.99993961225442
kQ(31577)=0.99987922815552
r1= : 4.1865756669589E-12
rpunto1: = 3294601.4785014
rduepunti0 : = -1.2325366471743E+25
fil : = 488.21418133871
fipunto1 : = 7.1168589417662E+17
fi_gradi : = 27972.612089143
t1 : = 1.0809146175514E-14
tpunto1 : = 1.0004946735724
tduepunti0 : = -1.0619217555574E+15
v=v_elettrone : = 4443418.2676749
x0= : -1.2513319254317E-12
y0= : -3.9947900676269E-12
*****
i=31578
k(31578)=0.99993966522558
kQ(31578)=0.99987933409144
r1= : 4.1869620535154E-12
rpunto1: = 3293156.2194841
rduepunti0 : = -1.232328717424E+25
fil : = 488.2142648043
fipunto1 : = 7.1155452864842E+17
fi_gradi : = 27972.616871369
t1 : = 1.0809146292851E-14
tpunto1 : = 1.0004945491092
tduepunti0 : = -1.0612598306351E+15
v=v_elettrone : = 4442161.4622403
x0= : -1.2511139501711E-12
y0= : -3.9952634079444E-12
*****
i=31579
k(31579)=0.99993971816456
kQ(31579)=0.99987943996302
r1= : 4.1873482705737E-12
rpunto1: = 3291711.2041559
rduepunti0 : = -1.2321209309732E+25
fil : = 488.21434825449
fipunto1 : = 7.1142325709955E+17
fi_gradi : = 27972.621652712
t1 : = 1.0809146410187E-14
tpunto1 : = 1.0004944247236
tduepunti0 : = -1.0605982967796E+15
v=v_elettrone : = 4440905.0845726
x0= : -1.2508959155566E-12
y0= : -3.9957365586361E-12
*****
i=31580
k(31580)=0.99993977107139
kQ(31580)=0.99987954577031
r1= : 4.1877343181626E-12
rpunto1: = 3290266.4323491
rduepunti0 : = -1.2319132877207E+25
fil : = 488.21443168928
fipunto1 : = 7.1129207945904E+17
fi_gradi : = 27972.626433174
t1 : = 1.0809146527524E-14
tpunto1 : = 1.0004943004156
tduepunti0 : = -1.0599371536024E+15
v=v_elettrone : = 4439649.1347752
x0= : -1.2506778216151E-12
y0= : -3.996209519732E-12
```

```
*****
i=31581
k(31581)=0.99993982394609
kQ(31581)=0.99987965151333
r1= : 4.1881201963105E-12
rpunto1: = 3288821.9038958
rduepunti0 : = -1.2317057875654E+25
fil : = 488.21451510868
fipunto1 : = 7.1116099565602E+17
fi_gradi : = 27972.631212753
t1 : = 1.0809146644861E-14
tpunto1 : = 1.000494176185
tduepunti0 : = -1.0592764007154E+15
v=v_elettrone : = 4438393.6129498
x0= : -1.2504596683732E-12
y0= : -3.9966822912622E-12
*****
i=31582
k(31582)=0.99993987678867
kQ(31582)=0.99987975719214
r1= : 4.188505905046E-12
rpunto1: = 3287377.6186282
rduepunti0 : = -1.2314984304065E+25
fil : = 488.21459851271
fipunto1 : = 7.1103000561968E+17
fi_gradi : = 27972.635991452
t1 : = 1.0809146762197E-14
tpunto1 : = 1.0004940520319
tduepunti0 : = -1.0586160377312E+15
v=v_elettrone : = 4437138.51784
x0= : -1.2502414558576E-12
y0= : -3.9971548732566E-12
*****
i=31583
k(31583)=0.99993992959915
kQ(31583)=0.99987986280675
r1= : 4.1888914443976E-12
rpunto1: = 3285933.5763788
rduepunti0 : = -1.2312912161429E+25
fil : = 488.21468190138
fipunto1 : = 7.1089910927929E+17
fi_gradi : = 27972.640769271
t1 : = 1.0809146879534E-14
tpunto1 : = 1.0004939279562
tduepunti0 : = -1.0579560642625E+15
v=v_elettrone : = 4435883.850892
x0= : -1.2500231840952E-12
y0= : -3.9976272657452E-12
*****
i=31584
k(31584)=0.99993998237755
kQ(31584)=0.99987996835721
r1= : 4.1892768143938E-12
rpunto1: = 3284489.7769801
rduepunti0 : = -1.2310841446741E+25
fil : = 488.2147652747
fipunto1 : = 7.1076830656421E+17
fi_gradi : = 27972.645546211
t1 : = 1.0809146996871E-14
tpunto1 : = 1.0004938039579
tduepunti0 : = -1.0572964799226E+15
v=v_elettrone : = 4434629.6108662
x0= : -1.2498048531125E-12
y0= : -3.9980994687581E-12
```

```
*****
i=31585
k(31585)=0.99994003512388
kQ(31585)=0.99988007384355
r1= : 4.1896620150631E-12
rpunto1 : = 3283046.2202648
rduepunti0 : = -1.2308772158995E+25
fil : = 488.21484863268
fipunto1 : = 7.1063759740387E+17
fi_gradi : = 27972.650322271
t1 : = 1.0809147114207E-14
tpunto1 : = 1.0004936800368
tduepunti0 : = -1.0566372843254E+15
v=v_elettrone : = 4433375.7992071
x0= : -1.2495864629364E-12
y0= : -3.9985714823251E-12
*****
i=31586
k(31586)=0.99994008783817
kQ(31586)=0.99988017926581
r1= : 4.1900470464339E-12
rpunto1 : = 3281602.9060656
rduepunti0 : = -1.2306704297184E+25
fil : = 488.21493197533
fipunto1 : = 7.105069817278E+17
fi_gradi : = 27972.655097453
t1 : = 1.0809147231544E-14
tpunto1 : = 1.000493556193
tduepunti0 : = -1.0559784770849E+15
v=v_elettrone : = 4432122.4132916
x0= : -1.2493680135932E-12
y0= : -3.9990433064763E-12
*****
i=31587
k(31587)=0.99994014052043
kQ(31587)=0.99988028462403
r1= : 4.1904319085348E-12
rpunto1 : = 3280159.8342154
rduepunti0 : = -1.2304637860305E+25
fil : = 488.21501530266
fipunto1 : = 7.1037645946557E+17
fi_gradi : = 27972.659871757
t1 : = 1.080914734888E-14
tpunto1 : = 1.0004934324265
tduepunti0 : = -1.0553200578159E+15
v=v_elettrone : = 4430869.4545876
x0= : -1.24914950511E-12
y0= : -3.9995149412414E-12
*****
i=31588
k(31588)=0.99994019317069
kQ(31588)=0.99988038991823
r1= : 4.1908166013941E-12
rpunto1 : = 3278717.0045473
rduepunti0 : = -1.2302572847354E+25
fil : = 488.21509861468
fipunto1 : = 7.1024603054688E+17
fi_gradi : = 27972.664645185
t1 : = 1.0809147466217E-14
tpunto1 : = 1.0004933087371
tduepunti0 : = -1.0546620261335E+15
v=v_elettrone : = 4429616.9231998
x0= : -1.2489309375132E-12
y0= : -3.9999863866505E-12
```

```
*****
i=31589
k(31589)=0.99994024578895
kQ(31589)=0.99988049514846
r1= : 4.1912011250402E-12
rpunto1: = 3277274.4168942
rduepunti0 : = -1.2300509257331E+25
fil : = 488.21518191141
fipunto1 : = 7.1011569490146E+17
fi_gradi : = 27972.669417735
t1 : = 1.0809147583554E-14
tpunto1 : = 1.0004931851249
tduepunti0 : = -1.0540043816531E+15
v=v_elettrone : = 4428364.8192256
x0= : -1.2487123108295E-12
y0= : -4.0004576427333E-12
*****
i=31590
k(31590)=0.99994029837523
kQ(31590)=0.99988060031474
r1= : 4.1915854795015E-12
rpunto1: = 3275832.0710896
rduepunti0 : = -1.2298447089234E+25
fil : = 488.21526519285
fipunto1 : = 7.0998545245914E+17
fi_gradi : = 27972.674189411
t1 : = 1.080914770089E-14
tpunto1 : = 1.0004930615897
tduepunti0 : = -1.0533471239907E+15
v=v_elettrone : = 4427113.1413996
x0= : -1.2484936250853E-12
y0= : -4.0009287095197E-12
*****
i=31591
k(31591)=0.99994035092956
kQ(31591)=0.99988070541713
r1= : 4.1919696648063E-12
rpunto1: = 3274389.9669667
rduepunti0 : = -1.2296386342064E+25
fil : = 488.21534845902
fipunto1 : = 7.0985530314985E+17
fi_gradi : = 27972.67896021
t1 : = 1.0809147818227E-14
tpunto1 : = 1.0004929381315
tduepunti0 : = -1.0526902527627E+15
v=v_elettrone : = 4425861.8898153
x0= : -1.2482748803075E-12
y0= : -4.0013995870396E-12
*****
i=31592
k(31592)=0.99994040345195
kQ(31592)=0.99988081045564
r1= : 4.1923536809831E-12
rpunto1: = 3272948.104359
rduepunti0 : = -1.2294327014821E+25
fil : = 488.21543170992
fipunto1 : = 7.0972524690355E+17
fi_gradi : = 27972.683730136
t1 : = 1.0809147935563E-14
tpunto1 : = 1.0004928147504
tduepunti0 : = -1.052033767586E+15
v=v_elettrone : = 4424611.0659535
x0= : -1.2480560765225E-12
y0= : -4.0018702753228E-12
```

```

*****
i=31593
k(31593)=0.99994045594241
kQ(31593)=0.99988091543032
r1= : 4.1927375280601E-12
rpunto1: = 3271506.4831001
rduepunti0 : = -1.2292269106508E+25
fil : = 488.21551494557
fipunto1 : = 7.0959528365033E+17
fi_gradi : = 27972.688499187
t1 : = 1.08091480529E-14
tpunto1 : = 1.0004926914462
tduepunti0 : = -1.0513776680778E+15
v=v_elettrone : = 4423360.6671755
x0= : -1.2478372137568E-12
y0= : -4.002340774399E-12
*****
i=31594
k(31594)=0.99994050840098
kQ(31594)=0.9998810203412
r1= : 4.1931212060657E-12
rpunto1: = 3270065.1030237
rduepunti0 : = -1.2290212616128E+25
fil : = 488.21559816598
fipunto1 : = 7.0946541332033E+17
fi_gradi : = 27972.693267365
t1 : = 1.0809148170236E-14
tpunto1 : = 1.0004925682189
tduepunti0 : = -1.0507219538559E+15
v=v_elettrone : = 4422110.6949353
x0= : -1.2476182920371E-12
y0= : -4.0028110842979E-12
*****
i=31595
k(31595)=0.99994056082765
kQ(31595)=0.99988112518832
r1= : 4.1935047150281E-12
rpunto1: = 3268623.9639637
rduepunti0 : = -1.2288157542687E+25
fil : = 488.21568137115
fipunto1 : = 7.0933563584377E+17
fi_gradi : = 27972.698034671
t1 : = 1.0809148287573E-14
tpunto1 : = 1.0004924450685
tduepunti0 : = -1.0500666245384E+15
v=v_elettrone : = 4420861.1493565
x0= : -1.24739931139E-12
y0= : -4.0032812050494E-12
*****
i=31596
k(31596)=0.99994061322246
kQ(31596)=0.99988122997171
r1= : 4.1938880549756E-12
rpunto1: = 3267183.0657539
rduepunti0 : = -1.2286103885189E+25
fil : = 488.21576456111
fipunto1 : = 7.0920595115096E+17
fi_gradi : = 27972.702801104
t1 : = 1.0809148404909E-14
tpunto1 : = 1.0004923219948
tduepunti0 : = -1.0494116797439E+15
v=v_elettrone : = 4419612.0305386
x0= : -1.2471802718418E-12
y0= : -4.0037511366831E-12

```

```
*****
i=31597
k(31597)=0.99994066558542
kQ(31597)=0.99988133469141
r1= : 4.1942712259364E-12
rpunto1 : = 3265742.4082284
rduepunti0 : = -1.2284051642641E+25
fil : = 488.21584773586
fipunto1 : = 7.0907635917227E+17
fi_gradi : = 27972.707566666
t1 : = 1.0809148522245E-14
tpunto1 : = 1.000492198998
tduepunti0 : = -1.0487571190913E+15
v=v_elettrone : = 4418363.3371866
x0= : -1.2469611734191E-12
y0= : -4.0042208792289E-12
*****
i=31598
k(31598)=0.99994071791654
kQ(31598)=0.99988143934745
r1= : 4.1946542279388E-12
rpunto1 : = 3264301.9912214
rduepunti0 : = -1.2282000814051E+25
fil : = 488.2159308954
fipunto1 : = 7.0894685983816E+17
fi_gradi : = 27972.712331357
t1 : = 1.0809148639582E-14
tpunto1 : = 1.0004920760778
tduepunti0 : = -1.0481029422003E+15
v=v_elettrone : = 4417115.0694442
x0= : -1.2467420161482E-12
y0= : -4.0046904327162E-12
*****
i=31599
k(31599)=0.99994077021585
kQ(31599)=0.99988154393986
r1= : 4.195037061011E-12
rpunto1 : = 3262861.8145673
rduepunti0 : = -1.2279951398428E+25
fil : = 488.21601403977
fipunto1 : = 7.0881745307917E+17
fi_gradi : = 27972.717095178
t1 : = 1.0809148756918E-14
tpunto1 : = 1.0004919532343
tduepunti0 : = -1.0474491486906E+15
v=v_elettrone : = 4415867.2287477
x0= : -1.2465228000559E-12
y0= : -4.0051597971749E-12
*****
i=31600
k(31600)=0.99994082248336
kQ(31600)=0.99988164846869
r1= : 4.1954197251811E-12
rpunto1 : = 3261421.8781003
rduepunti0 : = -1.2277903394781E+25
fil : = 488.21609716895
fipunto1 : = 7.0868813882592E+17
fi_gradi : = 27972.72185813
t1 : = 1.0809148874255E-14
tpunto1 : = 1.0004918304675
tduepunti0 : = -1.0467957381827E+15
v=v_elettrone : = 4414619.812458
x0= : -1.2463035251683E-12
y0= : -4.0056289726345E-12
```



```
*****
i=31601
k(31601)=0.99994087471909
kQ(31601)=0.99988175293397
r1= : 4.1958022204774E-12
rpunto1: = 3259982.181655
rduepunti0 : = -1.2275856802122E+25
fil : = 488.21618028297
fipunto1 : = 7.0855891700909E+17
fi_gradi : = 27972.726620212
t1 : = 1.0809148991591E-14
tpunto1 : = 1.0004917077773
tduepunti0 : = -1.0461427102972E+15
v=v_elettrone : = 4413372.8220819
x0= : -1.2460841915121E-12
y0= : -4.0060979591246E-12
*****
i=31602
k(31602)=0.99994092692305
kQ(31602)=0.99988185733573
r1= : 4.1961845469279E-12
rpunto1: = 3258542.7250661
rduepunti0 : = -1.2273811619461E+25
fil : = 488.21626338183
fipunto1 : = 7.0842978755946E+17
fi_gradi : = 27972.731381426
t1 : = 1.0809149108927E-14
tpunto1 : = 1.0004915851636
tduepunti0 : = -1.0454900646554E+15
v=v_elettrone : = 4412126.2576902
x0= : -1.2458647991137E-12
y0= : -4.0065667566749E-12
*****
i=31603
k(31603)=0.99994097909527
kQ(31603)=0.99988196167401
r1= : 4.1965667045609E-12
rpunto1: = 3257103.5081682
rduepunti0 : = -1.2271767845813E+25
fil : = 488.21634646555
fipunto1 : = 7.0830075040787E+17
fi_gradi : = 27972.736141773
t1 : = 1.0809149226264E-14
tpunto1 : = 1.0004914626263
tduepunti0 : = -1.0448378008788E+15
v=v_elettrone : = 4410880.119378
x0= : -1.2456453479994E-12
y0= : -4.0070353653149E-12
*****
i=31604
k(31604)=0.99994103123576
kQ(31604)=0.99988206594884
r1= : 4.1969486934044E-12
rpunto1: = 3255664.5307964
rduepunti0 : = -1.2269725480191E+25
fil : = 488.21642953414
fipunto1 : = 7.0817180548526E+17
fi_gradi : = 27972.740901252
t1 : = 1.08091493436E-14
tpunto1 : = 1.0004913401656
tduepunti0 : = -1.0441859185897E+15
v=v_elettrone : = 4409634.4059036
x0= : -1.2454258381955E-12
y0= : -4.0075037850742E-12
```

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*****
i=31605
k(31605)=0.99994108334454
kQ(31605)=0.99988217016026
r1= : 4.1973305134865E-12
rpunto1: = 3254225.7927855
rduepunti0 : = -1.2267684521611E+25
fil : = 488.2165125876
fipunto1 : = 7.0804295272261E+17
fi_gradi : = 27972.745659865
t1 : = 1.0809149460936E-14
tpunto1 : = 1.0004912177812
tduepunti0 : = -1.0435344174103E+15
v=v_elettrone : = 4408389.1173616
x0= : -1.2452062697284E-12
y0= : -4.0079720159824E-12
*****
i=31606
k(31606)=0.99994113542163
kQ(31606)=0.9998822743083
r1= : 4.1977121648353E-12
rpunto1: = 3252787.2939706
rduepunti0 : = -1.2265644969088E+25
fil : = 488.21659562596
fipunto1 : = 7.0791419205102E+17
fi_gradi : = 27972.750417612
t1 : = 1.0809149578273E-14
tpunto1 : = 1.0004910954732
tduepunti0 : = -1.0428832969637E+15
v=v_elettrone : = 4407144.2551968
x0= : -1.2449866426247E-12
y0= : -4.0084400580688E-12
*****
i=31607
k(31607)=0.99994118746704
kQ(31607)=0.999882378393
r1= : 4.1980936474788E-12
rpunto1: = 3251349.0341871
rduepunti0 : = -1.2263606821639E+25
fil : = 488.21667864921
fipunto1 : = 7.0778552340164E+17
fi_gradi : = 27972.755174494
t1 : = 1.0809149695609E-14
tpunto1 : = 1.0004909732416
tduepunti0 : = -1.0422325568732E+15
v=v_elettrone : = 4405899.8168077
x0= : -1.2447669569103E-12
y0= : -4.0089079113632E-12
*****
i=31608
k(31608)=0.9999412394808
kQ(31608)=0.99988248241439
r1= : 4.1984749614451E-12
rpunto1: = 3249911.0132701
rduepunti0 : = -1.2261570078284E+25
fil : = 488.21676165737
fipunto1 : = 7.076569467057E+17
fi_gradi : = 27972.759930512
t1 : = 1.0809149812945E-14
tpunto1 : = 1.0004908510862
tduepunti0 : = -1.0415821967627E+15
v=v_elettrone : = 4404655.8050122
x0= : -1.244547212612E-12
y0= : -4.0093755758948E-12

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*****
i=31609
k(31609)=0.99994129146291
kQ(31609)=0.99988258637251
r1= : 4.1988561067622E-12
rpunto1 : = 3248473.2310551
rduepunti0 : = -1.225953473804E+25
fil : = 488.21684465045
fipunto1 : = 7.0752846189452E+17
fi_gradi : = 27972.764685665
t1 : = 1.0809149930282E-14
tpunto1 : = 1.000490729007
tduepunti0 : = -1.0409322162562E+15
v=v_elettrone : = 4403412.2171693
x0= : -1.2443274097556E-12
y0= : -4.0098430516932E-12
*****
i=31610
k(31610)=0.9999413434134
kQ(31610)=0.9998826902674
r1= : 4.199237083458E-12
rpunto1 : = 3247035.6873778
rduepunti0 : = -1.225750079993E+25
fil : = 488.21692762846
fipunto1 : = 7.0740006889948E+17
fi_gradi : = 27972.769439955
t1 : = 1.0809150047618E-14
tpunto1 : = 1.000490607004
tduepunti0 : = -1.0402826149784E+15
v=v_elettrone : = 4402169.0534005
x0= : -1.2441075483677E-12
y0= : -4.0103103387878E-12
*****
i=31611
k(31611)=0.99994139533228
kQ(31611)=0.99988279409907
r1= : 4.1996178915606E-12
rpunto1 : = 3245598.3820738
rduepunti0 : = -1.2255468262972E+25
fil : = 488.21701059142
fipunto1 : = 7.0727176765205E+17
fi_gradi : = 27972.774193382
t1 : = 1.0809150164954E-14
tpunto1 : = 1.0004904850772
tduepunti0 : = -1.0396333925544E+15
v=v_elettrone : = 4400926.3151691
x0= : -1.2438876284747E-12
y0= : -4.010777437208E-12
*****
i=31612
k(31612)=0.99994144721958
kQ(31612)=0.99988289786758
r1= : 4.199998531098E-12
rpunto1 : = 3244161.3149788
rduepunti0 : = -1.2253437126192E+25
fil : = 488.21709353933
fipunto1 : = 7.0714355808377E+17
fi_gradi : = 27972.778945947
t1 : = 1.080915028229E-14
tpunto1 : = 1.0004903632264
tduepunti0 : = -1.0389845486097E+15
v=v_elettrone : = 4399684.0025667
x0= : -1.2436676501027E-12
y0= : -4.0112443469831E-12

```

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*****
i=31613
k(31613)=0.9999414990753
kQ(31613)=0.99988300157296
r1= : 4.2003790020979E-12
rpunto1: = 3242724.4859288
rduepunti0 : = -1.2251407388611E+25
fil : = 488.2171764722
fipunto1 : = 7.0701544012627E+17
fi_gradi : = 27972.783697651
t1 : = 1.0809150399626E-14
tpunto1 : = 1.0004902414517
tduepunti0 : = -1.0383360827702E+15
v=v_elettrone : = 4398442.1129598
x0= : -1.2434476132778E-12
y0= : -4.0117110681427E-12
*****
i=31614
k(31614)=0.99994155089947
kQ(31614)=0.99988310521524
r1= : 4.2007593045885E-12
rpunto1: = 3241287.8947598
rduepunti0 : = -1.2249379049254E+25
fil : = 488.21725939005
fipunto1 : = 7.0688741371122E+17
fi_gradi : = 27972.788448494
t1 : = 1.0809150516963E-14
tpunto1 : = 1.000490119753
tduepunti0 : = -1.0376879946623E+15
v=v_elettrone : = 4397200.6491931
x0= : -1.2432275180265E-12
y0= : -4.012177600716E-12
*****
i=31615
k(31615)=0.9999416026921
kQ(31615)=0.99988320879445
r1= : 4.2011394385975E-12
rpunto1: = 3239851.5413079
rduepunti0 : = -1.2247352107147E+25
fil : = 488.21734229288
fipunto1 : = 7.0675947877041E+17
fi_gradi : = 27972.793198476
t1 : = 1.0809150634299E-14
tpunto1 : = 1.0004899981303
tduepunti0 : = -1.0370402839126E+15
v=v_elettrone : = 4395959.608619
x0= : -1.2430073643747E-12
y0= : -4.0126439447323E-12
*****
i=31616
k(31616)=0.99994165445322
kQ(31616)=0.99988331231064
r1= : 4.2015194041528E-12
rpunto1: = 3238415.4254093
rduepunti0 : = -1.2245326561316E+25
fil : = 488.21742518071
fipunto1 : = 7.0663163523569E+17
fi_gradi : = 27972.797947599
t1 : = 1.0809150751635E-14
tpunto1 : = 1.0004898765835
tduepunti0 : = -1.0363929501484E+15
v=v_elettrone : = 4394718.992718
x0= : -1.2427871523489E-12
y0= : -4.013110100221E-12
```

```
*****
i=31617
k(31617)=0.99994170618283
kQ(31617)=0.99988341576382
r1= : 4.2018992012824E-12
rpunto1: = 3236979.5469005
rduepunti0 : = -1.2243302410789E+25
fil : = 488.21750805354
fipunto1 : = 7.0650388303897E+17
fi_gradi : = 27972.802695862
t1 : = 1.0809150868971E-14
tpunto1 : = 1.0004897551125
tduepunti0 : = -1.0357459929973E+15
v=v_elettrone : = 4393478.8016
x0= : -1.2425668819751E-12
y0= : -4.0135760672113E-12
*****
i=31618
k(31618)=0.99994175788095
kQ(31618)=0.99988351915405
r1= : 4.202278830014E-12
rpunto1: = 3235543.9056179
rduepunti0 : = -1.2241279654595E+25
fil : = 488.2175909114
fipunto1 : = 7.0637622211226E+17
fi_gradi : = 27972.807443268
t1 : = 1.0809150986307E-14
tpunto1 : = 1.0004896337174
tduepunti0 : = -1.0350994120874E+15
v=v_elettrone : = 4392239.0339799
x0= : -1.2423465532795E-12
y0= : -4.0140418457326E-12
*****
i=31619
k(31619)=0.99994180954761
kQ(31619)=0.99988362248135
r1= : 4.2026582903755E-12
rpunto1: = 3234108.5013981
rduepunti0 : = -1.2239258291763E+25
fil : = 488.21767375428
fipunto1 : = 7.0624865238763E+17
fi_gradi : = 27972.812189815
t1 : = 1.0809151103643E-14
tpunto1 : = 1.0004895123981
tduepunti0 : = -1.034453207047E+15
v=v_elettrone : = 4390999.6899474
x0= : -1.2421261662883E-12
y0= : -4.014507435814E-12
*****
i=31620
k(31620)=0.99994186118282
kQ(31620)=0.99988372574576
r1= : 4.2030375823946E-12
rpunto1: = 3232673.3340778
rduepunti0 : = -1.2237238321323E+25
fil : = 488.2177565822
fipunto1 : = 7.0612117379724E+17
fi_gradi : = 27972.816935505
t1 : = 1.0809151220979E-14
tpunto1 : = 1.0004893911545
tduepunti0 : = -1.0338073775051E+15
v=v_elettrone : = 4389760.7710197
x0= : -1.2419057210276E-12
y0= : -4.0149728374848E-12
```

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*****
i=31621
k(31621)=0.9999419127866
kQ(31621)=0.99988382894732
r1= : 4.2034167060992E-12
rpunto1: = 3231238.4034938
rduerpunti0 : = -1.2235219742309E+25
fil : = 488.21783939516
fipunto1 : = 7.0599378627331E+17
fi_gradi : = 27972.821680339
t1 : = 1.0809151338316E-14
tpunto1 : = 1.0004892699867
tduepunti0 : = -1.033161923091E+15
v=v_elettrone : = 4388522.2745072
x0= : -1.2416852175235E-12
y0= : -4.0154380507742E-12
*****
i=31622
k(31622)=0.99994196435895
kQ(31622)=0.99988393208605
r1= : 4.203795661517E-12
rpunto1: = 3229803.709483
rduerpunti0 : = -1.2233202553752E+25
fil : = 488.21792219319
fipunto1 : = 7.0586648974815E+17
fi_gradi : = 27972.826424316
t1 : = 1.0809151455652E-14
tpunto1 : = 1.0004891488944
tduepunti0 : = -1.0325168434344E+15
v=v_elettrone : = 4387284.2032811
x0= : -1.2414646558022E-12
y0= : -4.0159030757113E-12
*****
i=31623
k(31623)=0.99994201589992
kQ(31623)=0.99988403516199
r1= : 4.2041744486758E-12
rpunto1: = 3228369.2518825
rduerpunti0 : = -1.2231186754687E+25
fil : = 488.21800497629
fipunto1 : = 7.0573928415414E+17
fi_gradi : = 27972.831167439
t1 : = 1.0809151572988E-14
tpunto1 : = 1.0004890278778
tduepunti0 : = -1.0318721381654E+15
v=v_elettrone : = 4386046.554703
x0= : -1.2412440358897E-12
y0= : -4.0163679123255E-12
*****
i=31624
k(31624)=0.99994206740949
kQ(31624)=0.99988413817517
r1= : 4.2045530676032E-12
rpunto1: = 3226935.0305295
rduerpunti0 : = -1.2229172344147E+25
fil : = 488.21808774447
fipunto1 : = 7.0561216942372E+17
fi_gradi : = 27972.835909706
t1 : = 1.0809151690324E-14
tpunto1 : = 1.0004889069368
tduepunti0 : = -1.0312278069146E+15
v=v_elettrone : = 4384809.3302252
x0= : -1.241023357812E-12
y0= : -4.0168325606457E-12
```

```
*****
i=31625
k(31625)=0.99994211888771
kQ(31625)=0.99988424112564
r1= : 4.2049315183271E-12
rpunto1 : = 3225501.0452612
rduepunti0 : = -1.222715932117E+25
fil : = 488.21817049775
fipunto1 : = 7.0548514548944E+17
fi_gradi : = 27972.840651119
t1 : = 1.080915180766E-14
tpunto1 : = 1.0004887860712
tduepunti0 : = -1.0305838493129E+15
v=v_elettrone : = 4383572.5285894
x0= : -1.2408026215953E-12
y0= : -4.0172970207011E-12
*****
i=31626
k(31626)=0.99994217033458
kQ(31626)=0.99988434401342
r1= : 4.205309800875E-12
rpunto1 : = 3224067.2959149
rduepunti0 : = -1.2225147684792E+25
fil : = 488.21825323612
fipunto1 : = 7.0535821228389E+17
fi_gradi : = 27972.845391679
t1 : = 1.0809151924996E-14
tpunto1 : = 1.0004886652812
tduepunti0 : = -1.0299402649918E+15
v=v_elettrone : = 4382336.1512854
x0= : -1.2405818272656E-12
y0= : -4.0177612925209E-12
*****
i=31627
k(31627)=0.99994222175011
kQ(31627)=0.99988444683855
r1= : 4.2056879152747E-12
rpunto1 : = 3222633.7823282
rduepunti0 : = -1.222313743405E+25
fil : = 488.21833595961
fipunto1 : = 7.0523136973977E+17
fi_gradi : = 27972.850131386
t1 : = 1.0809152042332E-14
tpunto1 : = 1.0004885445666
tduepunti0 : = -1.0292970535831E+15
v=v_elettrone : = 4381100.1970137
x0= : -1.2403609748488E-12
y0= : -4.018225376134E-12
*****
i=31628
k(31628)=0.99994227313434
kQ(31628)=0.99988454960107
r1= : 4.2060658615538E-12
rpunto1 : = 3221200.5043387
rduepunti0 : = -1.2221128567984E+25
fil : = 488.21841866823
fipunto1 : = 7.0510461778981E+17
fi_gradi : = 27972.85487024
t1 : = 1.0809152159668E-14
tpunto1 : = 1.0004884239274
tduepunti0 : = -1.028654214719E+15
v=v_elettrone : = 4379864.6658899
x0= : -1.2401400643709E-12
y0= : -4.0186892715697E-12
```

```
*****
i=31629
k(31629)=0.99994232448727
kQ(31629)=0.999884652301
r1= : 4.2064436397399E-12
rpunto1 : = 3219767.4617841
rduepunti0 : = -1.2219121085634E+25
fil : = 488.21850136197
fipunto1 : = 7.0497795636686E+17
fi_gradi : = 27972.859608243
t1 : = 1.0809152277004E-14
tpunto1 : = 1.0004883033635
tduepunti0 : = -1.0280117480322E+15
v=v_elettrone : = 4378629.5580267
x0= : -1.2399190958581E-12
y0= : -4.0191529788569E-12
*****
i=31630
k(31630)=0.99994237580891
kQ(31630)=0.99988475493838
r1= : 4.2068212498606E-12
rpunto1 : = 3218334.6545023
rduepunti0 : = -1.221711498604E+25
fil : = 488.21858404087
fipunto1 : = 7.0485138540382E+17
fi_gradi : = 27972.864345395
t1 : = 1.080915239434E-14
tpunto1 : = 1.0004881828749
tduepunti0 : = -1.0273696531556E+15
v=v_elettrone : = 4377394.8721251
x0= : -1.2396980693362E-12
y0= : -4.0196164980247E-12
*****
i=31631
k(31631)=0.9999424270993
kQ(31631)=0.99988485751324
r1= : 4.2071986919436E-12
rpunto1 : = 3216902.0823311
rduepunti0 : = -1.2215110268245E+25
fil : = 488.21866670492
fipunto1 : = 7.0472490483367E+17
fi_gradi : = 27972.869081696
t1 : = 1.0809152511676E-14
tpunto1 : = 1.0004880624616
tduepunti0 : = -1.0267279297229E+15
v=v_elettrone : = 4376160.6110558
x0= : -1.2394769848313E-12
y0= : -4.020079829102E-12
*****
i=31632
k(31632)=0.99994247835844
kQ(31632)=0.99988496002563
r1= : 4.2075759660164E-12
rpunto1 : = 3215469.7451087
rduepunti0 : = -1.2213106931292E+25
fil : = 488.21874935413
fipunto1 : = 7.0459851458946E+17
fi_gradi : = 27972.873817147
t1 : = 1.0809152629012E-14
tpunto1 : = 1.0004879421235
tduepunti0 : = -1.0260865773678E+15
v=v_elettrone : = 4374926.7707972
x0= : -1.2392558423691E-12
y0= : -4.0205429721178E-12
```



```
*****
i=31633
k(31633)=0.99994252958636
kQ(31633)=0.99988506247557
r1= : 4.2079530721065E-12
rpunto1 : = 3214037.6426732
rduepunti0 : = -1.2211104974224E+25
fil : = 488.21883198853
fipunto1 : = 7.0447221460434E+17
fi_gradi : = 27972.878551749
t1 : = 1.0809152746347E-14
tpunto1 : = 1.0004878218606
tduepunti0 : = -1.0254455957247E+15
v=v_elettrone : = 4373693.3541905
x0= : -1.2390346419759E-12
y0= : -4.0210059271011E-12
*****
i=31634
k(31634)=0.99994258078306
kQ(31634)=0.99988516486309
r1= : 4.2083300102416E-12
rpunto1 : = 3212605.7748629
rduepunti0 : = -1.2209104396088E+25
fil : = 488.21891460811
fipunto1 : = 7.0434600481149E+17
fi_gradi : = 27972.883285502
t1 : = 1.0809152863683E-14
tpunto1 : = 1.0004877016728
tduepunti0 : = -1.0248049844284E+15
v=v_elettrone : = 4372460.3613544
x0= : -1.2388133836775E-12
y0= : -4.0214686940809E-12
*****
i=31635
k(31635)=0.99994263194857
kQ(31635)=0.99988526718824
r1= : 4.2087067804491E-12
rpunto1 : = 3211174.1415161
rduepunti0 : = -1.2207105195928E+25
fil : = 488.21899721289
fipunto1 : = 7.042198851442E+17
fi_gradi : = 27972.888018408
t1 : = 1.0809152981019E-14
tpunto1 : = 1.0004875815601
tduepunti0 : = -1.0241647431138E+15
v=v_elettrone : = 4371227.7896242
x0= : -1.2385920674995E-12
y0= : -4.021931273086E-12
*****
i=31636
k(31636)=0.99994268308291
kQ(31636)=0.99988536945104
r1= : 4.2090833827564E-12
rpunto1 : = 3209742.7424715
rduepunti0 : = -1.2205107372791E+25
fil : = 488.21907980287
fipunto1 : = 7.0409385553583E+17
fi_gradi : = 27972.892750465
t1 : = 1.0809153098355E-14
tpunto1 : = 1.0004874615224
tduepunti0 : = -1.0235248714167E+15
v=v_elettrone : = 4369995.6404699
x0= : -1.2383706934681E-12
y0= : -4.0223936641454E-12
```

```
*****
i=31637
k(31637)=0.99994273418608
kQ(31637)=0.99988547165154
r1= : 4.2094598171912E-12
rpunto1: = 3208311.5775675
rduepunti0 : = -1.2203110925727E+25
fil : = 488.21916237808
fipunto1 : = 7.039679159198E+17
fi_gradi : = 27972.897481676
t1 : = 1.0809153215691E-14
tpunto1 : = 1.0004873415598
tduepunti0 : = -1.0228853689729E+15
v=v_elettrone : = 4368763.9154071
x0= : -1.2381492616092E-12
y0= : -4.0228558672879E-12
*****
i=31638
k(31638)=0.99994278525811
kQ(31638)=0.99988557378975
r1= : 4.2098360837808E-12
rpunto1: = 3206880.646643
rduepunti0 : = -1.2201115853784E+25
fil : = 488.21924493852
fipunto1 : = 7.0384206622961E+17
fi_gradi : = 27972.902212041
t1 : = 1.0809153333027E-14
tpunto1 : = 1.0004872216721
tduepunti0 : = -1.0222462354188E+15
v=v_elettrone : = 4367532.6103733
x0= : -1.2379277719483E-12
y0= : -4.0233178825425E-12
*****
i=31639
k(31639)=0.99994283629902
kQ(31639)=0.99988567586572
r1= : 4.2102121825527E-12
rpunto1: = 3205449.9495368
rduepunti0 : = -1.2199122156012E+25
fil : = 488.2193274842
fipunto1 : = 7.0371630639885E+17
fi_gradi : = 27972.90694156
t1 : = 1.0809153450363E-14
tpunto1 : = 1.0004871018593
tduepunti0 : = -1.0216074703911E+15
v=v_elettrone : = 4366301.7296066
x0= : -1.2377062245117E-12
y0= : -4.0237797099379E-12
*****
i=31640
k(31640)=0.99994288730881
kQ(31640)=0.99988577787949
r1= : 4.2105881135344E-12
rpunto1: = 3204019.4860877
rduepunti0 : = -1.2197129831463E+25
fil : = 488.21941001513
fipunto1 : = 7.0359063636115E+17
fi_gradi : = 27972.911670234
t1 : = 1.0809153567699E-14
tpunto1 : = 1.0004869821214
tduepunti0 : = -1.0209690735272E+15
v=v_elettrone : = 4365071.2690932
x0= : -1.2374846193249E-12
y0= : -4.024241349503E-12
```

```
*****
i=31641
k(31641)=0.99994293828752
kQ(31641)=0.99988587983107
r1= : 4.2109638767531E-12
rpunto1 : = 3202589.256135
rduepunti0 : = -1.2195138879187E+25
fil : = 488.21949253132
fipunto1 : = 7.0346505605025E+17
fi_gradi : = 27972.916398063
t1 : = 1.0809153685034E-14
tpunto1 : = 1.0004868624583
tduepunti0 : = -1.0203310444645E+15
v=v_elettrone : = 4363841.2316774
x0= : -1.2372629564139E-12
y0= : -4.0247028012666E-12
*****
i=31642
k(31642)=0.99994298923515
kQ(31642)=0.99988598172052
r1= : 4.2113394722363E-12
rpunto1 : = 3201159.2595177
rduepunti0 : = -1.219314929824E+25
fil : = 488.21957503278
fipunto1 : = 7.0333956539993E+17
fi_gradi : = 27972.921125049
t1 : = 1.080915380237E-14
tpunto1 : = 1.00048674287
tduepunti0 : = -1.019693382841E+15
v=v_elettrone : = 4362611.6174774
x0= : -1.2370412358044E-12
y0= : -4.0251640652573E-12
*****
i=31643
k(31643)=0.99994304015172
kQ(31643)=0.99988608354786
r1= : 4.2117149000114E-12
rpunto1 : = 3199729.4960751
rduepunti0 : = -1.2191161087674E+25
fil : = 488.21965751952
fipunto1 : = 7.0321416434408E+17
fi_gradi : = 27972.925851191
t1 : = 1.0809153919706E-14
tpunto1 : = 1.0004866233564
tduepunti0 : = -1.0190560882953E+15
v=v_elettrone : = 4361382.4238218
x0= : -1.236819457522E-12
y0= : -4.0256251415042E-12
*****
i=31644
k(31644)=0.99994309103725
kQ(31644)=0.99988618531312
r1= : 4.2120901601058E-12
rpunto1 : = 3198299.9656467
rduepunti0 : = -1.2189174246545E+25
fil : = 488.21973999156
fipunto1 : = 7.0308885281664E+17
fi_gradi : = 27972.930576491
t1 : = 1.0809154037042E-14
tpunto1 : = 1.0004865039175
tduepunti0 : = -1.018419160466E+15
v=v_elettrone : = 4360153.6521974
x0= : -1.2365976215927E-12
y0= : -4.0260860300358E-12
```

```
*****
i=31645
k(31645)=0.99994314189175
kQ(31645)=0.99988628701634
r1= : 4.2124652525466E-12
rpunto1 : = 3196870.6680719
rduepunti0 : = -1.2187188773908E+25
fil : = 488.2198224489
fipunto1 : = 7.0296363075163E+17
fi_gradi : = 27972.935300949
t1 : = 1.0809154154377E-14
tpunto1 : = 1.0004863845533
tduepunti0 : = -1.0177825989925E+15
v=v_elettrone : = 4358925.3013215
x0= : -1.2363757280421E-12
y0= : -4.0265467308809E-12
*****
i=31646
k(31646)=0.99994319271525
kQ(31646)=0.99988638865756
r1= : 4.2128401773613E-12
rpunto1 : = 3195441.6031904
rduepunti0 : = -1.2185204668822E+25
fil : = 488.21990489156
fipunto1 : = 7.0283849808313E+17
fi_gradi : = 27972.940024565
t1 : = 1.0809154271713E-14
tpunto1 : = 1.0004862652637
tduepunti0 : = -1.0171464035143E+15
v=v_elettrone : = 4357697.3740722
x0= : -1.2361537768963E-12
y0= : -4.0270072440682E-12
*****
i=31647
k(31647)=0.99994324350775
kQ(31647)=0.9998864902368
r1= : 4.2132149345771E-12
rpunto1 : = 3194012.7708418
rduepunti0 : = -1.2183221930344E+25
fil : = 488.21998731954
fipunto1 : = 7.0271345474532E+17
fi_gradi : = 27972.94474734
t1 : = 1.0809154389049E-14
tpunto1 : = 1.0004861460487
tduepunti0 : = -1.0165105736715E+15
v=v_elettrone : = 4356469.8664028
x0= : -1.2359317681805E-12
y0= : -4.0274675696263E-12
*****
i=31648
k(31648)=0.99994329426928
kQ(31648)=0.9998865917541
r1= : 4.2135895242214E-12
rpunto1 : = 3192584.1708661
rduepunti0 : = -1.2181240557533E+25
fil : = 488.22006973286
fipunto1 : = 7.0258850067242E+17
fi_gradi : = 27972.949469275
t1 : = 1.0809154506385E-14
tpunto1 : = 1.0004860269082
tduepunti0 : = -1.0158751091045E+15
v=v_elettrone : = 4355242.7811753
x0= : -1.2357097019208E-12
y0= : -4.027927707584E-12
```

```
*****
i=31649
k(31649)=0.99994334499986
kQ(31649)=0.9998866932095
r1= : 4.2139639463213E-12
rpunto1: = 3191155.8031031
rduepunti0 : = -1.217926054945E+25
fil : = 488.22015213152
fipunto1 : = 7.0246363579877E+17
fi_gradi : = 27972.954190371
t1 : = 1.080915462372E-14
tpunto1 : = 1.0004859078422
tduepunti0 : = -1.0152400094542E+15
v=v_elettrone : = 4354016.1185086
x0= : -1.2354875781427E-12
y0= : -4.0283876579698E-12
*****
i=31650
k(31650)=0.99994339569949
kQ(31650)=0.99988679460302
r1= : 4.2143382009041E-12
rpunto1: = 3189727.6673929
rduepunti0 : = -1.2177281905155E+25
fil : = 488.22023451554
fipunto1 : = 7.0233886005873E+17
fi_gradi : = 27972.958910627
t1 : = 1.0809154741056E-14
tpunto1 : = 1.0004857888506
tduepunti0 : = -1.0146052743619E+15
v=v_elettrone : = 4352789.8757189
x0= : -1.2352653968718E-12
y0= : -4.0288474208124E-12
*****
i=31651
k(31651)=0.9999434463682
kQ(31651)=0.99988689593471
r1= : 4.214712287997E-12
rpunto1: = 3188299.7635757
rduepunti0 : = -1.2175304623711E+25
fil : = 488.22031688492
fipunto1 : = 7.0221417338676E+17
fi_gradi : = 27972.963630046
t1 : = 1.0809154858392E-14
tpunto1 : = 1.0004856699334
tduepunti0 : = -1.0139709034691E+15
v=v_elettrone : = 4351564.054295
x0= : -1.2350431581338E-12
y0= : -4.0293069961405E-12
*****
i=31652
k(31652)=0.999943497006
kQ(31652)=0.99988699720458
r1= : 4.2150862076272E-12
rpunto1: = 3186872.0914918
rduepunti0 : = -1.2173328704181E+25
fil : = 488.22039923968
fipunto1 : = 7.020895757174E+17
fi_gradi : = 27972.968348626
t1 : = 1.0809154975727E-14
tpunto1 : = 1.0004855510906
tduepunti0 : = -1.013336896418E+15
v=v_elettrone : = 4350338.6543665
x0= : -1.2348208619545E-12
y0= : -4.0297663839825E-12
```

```
*****
i=31653
k(31653)=0.99994354761291
kQ(31653)=0.99988709841269
r1= : 4.215459959822E-12
rpunto1 : = 3185444.6509815
rduepunti0 : = -1.2171354145629E+25
fil : = 488.22048157983
fipunto1 : = 7.0196506698525E+17
fi_gradi : = 27972.973066369
t1 : = 1.0809155093063E-14
tpunto1 : = 1.0004854323221
tduepunti0 : = -1.012703252851E+15
v=v_elettrone : = 4349113.6746203
x0= : -1.2345985083594E-12
y0= : -4.030225584367E-12
*****
i=31654
k(31654)=0.99994359818895
kQ(31654)=0.99988719955905
r1= : 4.2158335446083E-12
rpunto1 : = 3184017.4418854
rduepunti0 : = -1.216938094712E+25
fil : = 488.22056390537
fipunto1 : = 7.0184064712499E+17
fi_gradi : = 27972.977783275
t1 : = 1.0809155210399E-14
tpunto1 : = 1.0004853136278
tduepunti0 : = -1.0120699724109E+15
v=v_elettrone : = 4347889.1165652
x0= : -1.2343760973742E-12
y0= : -4.0306845973226E-12
*****
i=31655
k(31655)=0.99994364873412
kQ(31655)=0.99988730064371
r1= : 4.2162069620134E-12
rpunto1 : = 3182590.464044
rduepunti0 : = -1.216740910772E+25
fil : = 488.22064621633
fipunto1 : = 7.0171631607136E+17
fi_gradi : = 27972.982499345
t1 : = 1.0809155327734E-14
tpunto1 : = 1.0004851950078
tduepunti0 : = -1.0114370547411E+15
v=v_elettrone : = 4346664.9802887
x0= : -1.2341536290245E-12
y0= : -4.0311434228777E-12
*****
i=31656
k(31656)=0.99994369924846
kQ(31656)=0.9998874016667
r1= : 4.2165802120645E-12
rpunto1 : = 3181163.7172981
rduepunti0 : = -1.2165438626496E+25
fil : = 488.2207285127
fipunto1 : = 7.0159207375919E+17
fi_gradi : = 27972.98721458
t1 : = 1.080915544507E-14
tpunto1 : = 1.000485076462
tduepunti0 : = -1.0108044994852E+15
v=v_elettrone : = 4345441.2631399
x0= : -1.2339311033357E-12
y0= : -4.031602061061E-12
```

```
*****
i=31657
k(31657)=0.99994374973198
kQ(31657)=0.99988750262805
r1= : 4.2169532947885E-12
rpunto1: = 3179737.2014884
rduepunti0 : = -1.2163469502517E+25
fil : = 488.2208107945
fipunto1 : = 7.0146792012336E+17
fi_gradi : = 27972.99192898
t1 : = 1.0809155562405E-14
tpunto1 : = 1.0004849579903
tduepunti0 : = -1.0101723062873E+15
v=v_elettrone : = 4344217.9679838
x0= : -1.2337085203335E-12
y0= : -4.0320605119008E-12
*****
i=31658
k(31658)=0.99994380018469
kQ(31658)=0.99988760352779
r1= : 4.2173262102126E-12
rpunto1: = 3178310.916456
rduepunti0 : = -1.2161501734851E+25
fil : = 488.22089306174
fipunto1 : = 7.0134385509885E+17
fi_gradi : = 27972.996642546
t1 : = 1.0809155679741E-14
tpunto1 : = 1.0004848395927
tduepunti0 : = -1.0095404747917E+15
v=v_elettrone : = 4342995.0935575
x0= : -1.2334858800434E-12
y0= : -4.0325187754257E-12
*****
i=31659
k(31659)=0.9999438506066
kQ(31659)=0.99988770436596
r1= : 4.2176989583639E-12
rpunto1: = 3176884.8620419
rduepunti0 : = -1.2159535322568E+25
fil : = 488.22097531443
fipunto1 : = 7.0121987862068E+17
fi_gradi : = 27973.001355278
t1 : = 1.0809155797076E-14
tpunto1 : = 1.0004847212692
tduepunti0 : = -1.0089090046435E+15
v=v_elettrone : = 4341772.6385466
x0= : -1.233263182491E-12
y0= : -4.0329768516641E-12
*****
i=31660
k(31660)=0.99994390099775
kQ(31660)=0.99988780514259
r1= : 4.2180715392694E-12
rpunto1: = 3175459.0380871
rduepunti0 : = -1.2157570264739E+25
fil : = 488.22105755258
fipunto1 : = 7.0109599062398E+17
fi_gradi : = 27973.006067177
t1 : = 1.0809155914412E-14
tpunto1 : = 1.0004846030196
tduepunti0 : = -1.0082778954878E+15
v=v_elettrone : = 4340550.6044563
x0= : -1.2330404277018E-12
y0= : -4.0334347406444E-12
```

```
*****
i=31661
k(31661)=0.99994395135813
kQ(31661)=0.99988790585771
r1= : 4.2184439529561E-12
rpunto1: = 3174033.4444331
rduepunti0 : = -1.2155606560437E+25
fil : = 488.22113977621
fipunto1 : = 7.0097219104392E+17
fi_gradi : = 27973.010778243
t1 : = 1.0809156031748E-14
tpunto1 : = 1.0004844848441
tduepunti0 : = -1.0076471469702E+15
v=v_elettrone : = 4339328.9914017
x0= : -1.2328176157013E-12
y0= : -4.033892442395E-12
*****
i=31662
k(31662)=0.99994400168778
kQ(31662)=0.99988800651136
r1= : 4.2188161994511E-12
rpunto1: = 3172608.0809211
rduepunti0 : = -1.2153644208735E+25
fil : = 488.22122198531
fipunto1 : = 7.0084847981576E+17
fi_gradi : = 27973.015488478
t1 : = 1.0809156149083E-14
tpunto1 : = 1.0004843667425
tduepunti0 : = -1.007016758737E+15
v=v_elettrone : = 4338107.7980851
x0= : -1.2325947465149E-12
y0= : -4.0343499569442E-12
*****
i=31663
k(31663)=0.9999440519867
kQ(31663)=0.99988810710357
r1= : 4.2191882787813E-12
rpunto1: = 3171182.9473926
rduepunti0 : = -1.2151683208705E+25
fil : = 488.2213041799
fipunto1 : = 7.0072485687482E+17
fi_gradi : = 27973.020197881
t1 : = 1.0809156266419E-14
tpunto1 : = 1.0004842487148
tduepunti0 : = -1.0063867304344E+15
v=v_elettrone : = 4336887.0246044
x0= : -1.2323718201683E-12
y0= : -4.0348072843205E-12
*****
i=31664
k(31664)=0.99994410225491
kQ(31664)=0.99988820763438
r1= : 4.2195601909736E-12
rpunto1: = 3169758.0436892
rduepunti0 : = -1.2149723559424E+25
fil : = 488.22138636
fipunto1 : = 7.006013221565E+17
fi_gradi : = 27973.024906454
t1 : = 1.0809156383754E-14
tpunto1 : = 1.0004841307609
tduepunti0 : = -1.0057570617094E+15
v=v_elettrone : = 4335666.6724901
x0= : -1.2321488366868E-12
y0= : -4.0352644245522E-12
```



```
*****
i=31665
k(31665)=0.99994415249243
kQ(31665)=0.9998883081038
r1= : 4.2199319360552E-12
rpunto1:= 3168333.3696526
rduepunti0 := -1.2147765259967E+25
fil := 488.22146852561
fipunto1 := 7.0047787559627E+17
fi_gradi := 27973.029614196
t1 := 1.0809156501089E-14
tpunto1 := 1.0004840128808
tduepunti0 := -1.0051277522092E+15
v=v_elettrone := 4334446.7404062
x0= : -1.2319257960959E-12
y0= : -4.0357213776676E-12
*****
i=31666
k(31666)=0.99994420269928
kQ(31666)=0.99988840851189
r1= : 4.2203035140528E-12
rpunto1:= 3166908.9251246
rduepunti0 := -1.2145808309412E+25
fil := 488.22155067674
fipunto1 := 7.0035451712967E+17
fi_gradi := 27973.034321109
t1 := 1.0809156618425E-14
tpunto1 := 1.0004838950745
tduepunti0 := -1.0044988015814E+15
v=v_elettrone := 4333227.2271035
x0= : -1.2317026984208E-12
y0= : -4.036178143695E-12
*****
i=31667
k(31667)=0.99994425287546
kQ(31667)=0.99988850885867
r1= : 4.2206749249935E-12
rpunto1:= 3165484.7099471
rduepunti0 := -1.2143852706835E+25
fil := 488.2216328134
fipunto1 := 7.0023124669231E+17
fi_gradi := 27973.039027194
t1 := 1.080915673576E-14
tpunto1 := 1.0004837773419
tduepunti0 := -1.003870209474E+15
v=v_elettrone := 4332008.1340598
x0= : -1.2314795436873E-12
y0= : -4.0366347226627E-12
*****
i=31668
k(31668)=0.99994430302101
kQ(31668)=0.99988860914417
r1= : 4.221046168904E-12
rpunto1:= 3164060.7239622
rduepunti0 := -1.2141898451316E+25
fil := 488.2217149356
fipunto1 := 7.0010806421987E+17
fi_gradi := 27973.043732449
t1 := 1.0809156853096E-14
tpunto1 := 1.000483659683
tduepunti0 := -1.0032419755356E+15
v=v_elettrone := 4330789.4613861
x0= : -1.2312563319206E-12
y0= : -4.037091114599E-12
```

```
*****
i=31669
k(31669)=0.99994435313593
kQ(31669)=0.99988870936843
r1= : 4.2214172458113E-12
rpunto1 : = 3162636.9670119
rduepunti0 : = -1.2139945541935E+25
fil : = 488.22179704336
fipunto1 : = 6.9998496964811E+17
fi_gradi : = 27973.048436877
t1 : = 1.0809156970431E-14
tpunto1 : = 1.0004835420978
tduepunti0 : = -1.0026140994148E+15
v=v_elettrone : = 4329571.2077946
x0= : -1.2310330631461E-12
y0= : -4.037547319532E-12
*****
i=31670
k(31670)=0.99994440322024
kQ(31670)=0.99988880953148
r1= : 4.2217881557423E-12
rpunto1 : = 3161213.4389385
rduepunti0 : = -1.2137993977772E+25
fil : = 488.22187913669
fipunto1 : = 6.9986196291286E+17
fi_gradi : = 27973.053140478
t1 : = 1.0809157087767E-14
tpunto1 : = 1.0004834245861
tduepunti0 : = -1.001986580761E+15
v=v_elettrone : = 4328353.3747831
x0= : -1.2308097373893E-12
y0= : -4.0380033374901E-12
*****
i=31671
k(31671)=0.99994445327396
kQ(31671)=0.99988890963336
r1= : 4.2221588987238E-12
rpunto1 : = 3159790.1395844
rduepunti0 : = -1.2136043757909E+25
fil : = 488.22196121558
fipunto1 : = 6.9973904395001E+17
fi_gradi : = 27973.057843253
t1 : = 1.0809157205102E-14
tpunto1 : = 1.000483307148
tduepunti0 : = -1.0013594192237E+15
v=v_elettrone : = 4327135.9610545
x0= : -1.2305863546753E-12
y0= : -4.0384591685014E-12
*****
i=31672
k(31672)=0.9999445032971
kQ(31672)=0.99988900967409
r1= : 4.2225294747825E-12
rpunto1 : = 3158367.0687919
rduepunti0 : = -1.213409488143E+25
fil : = 488.22204328006
fipunto1 : = 6.9961621269552E+17
fi_gradi : = 27973.062545201
t1 : = 1.0809157322437E-14
tpunto1 : = 1.0004831897833
tduepunti0 : = -1.0007326144529E+15
v=v_elettrone : = 4325918.9667294
x0= : -1.2303629150295E-12
y0= : -4.0389148125941E-12
```

```
*****
i=31673
k(31673)=0.99994455328969
kQ(31673)=0.99988910965371
r1= : 4.2228998839454E-12
rpunto1:= 3156944.2264037
rduepunti0 := -1.2132147347417E+25
fil := 488.22212533014
fipunto1 := 6.9949346908545E+17
fi_gradi := 27973.067246324
t1 := 1.0809157439773E-14
tpunto1 := 1.0004830724922
tduepunti0 := -1.0001061660989E+15
v=v_elettrone := 4324702.3919063
x0= : -1.2301394184774E-12
y0= : -4.0393702697964E-12
*****
i=31674
k(31674)=0.99994460325172
kQ(31674)=0.99988920957225
r1= : 4.2232701262392E-12
rpunto1:= 3155521.6122624
rduepunti0 := -1.2130201154955E+25
fil := 488.22220736582
fipunto1 := 6.9937081305589E+17
fi_gradi := 27973.071946622
t1 := 1.0809157557108E-14
tpunto1 := 1.0004829552745
tduepunti0 := -9.9948007381271E+14
v=v_elettrone := 4323486.2366929
x0= : -1.2299158650442E-12
y0= : -4.0398255401365E-12
*****
i=31675
k(31675)=0.99994465318324
kQ(31675)=0.99988930942974
r1= : 4.2236402016907E-12
rpunto1:= 3154099.2262108
rduepunti0 := -1.2128256303131E+25
fil := 488.22228938711
fipunto1 := 6.9924824454304E+17
fi_gradi := 27973.076646096
t1 := 1.0809157674443E-14
tpunto1 := 1.0004828381302
tduepunti0 := -9.9885433724531E+14
v=v_elettrone := 4322270.4997797
x0= : -1.2296922547552E-12
y0= : -4.0402806236423E-12
*****
i=31676
k(31676)=0.99994470308424
kQ(31676)=0.99988940922623
r1= : 4.2240101103266E-12
rpunto1:= 3152677.0680917
rduepunti0 := -1.2126312791029E+25
fil := 488.22237139403
fipunto1 := 6.9912576348313E+17
fi_gradi := 27973.081344747
t1 := 1.0809157791779E-14
tpunto1 := 1.0004827210592
tduepunti0 := -9.9822895604829E+14
v=v_elettrone := 4321055.1826913
x0= : -1.2294685876357E-12
y0= : -4.0407355203421E-12
```

```
*****
i=31677
k(31677)=0.99994475295475
kQ(31677)=0.99988950896173
r1= : 4.2243798521736E-12
rpunto1:= 3151255.1377482
rduepunti0 := -1.212437061774E+25
fil := 488.22245338659
fipunto1 := 6.9900336981249E+17
fi_gradi := 27973.086042574
t1 := 1.0809157909114E-14
tpunto1 := 1.0004826040615
tduepunti0 := -9.9760392987362E+14
v=v_elettrone := 4319840.2855302
x0= : -1.2292448637111E-12
y0= : -4.041190230264E-12
*****
i=31678
k(31678)=0.99994480279478
kQ(31678)=0.99988960863628
r1= : 4.2247494272585E-12
rpunto1:= 3149833.4350233
rduepunti0 := -1.2122429782349E+25
fil := 488.22253536479
fipunto1 := 6.9888106346752E+17
fi_gradi := 27973.090739579
t1 := 1.0809158026449E-14
tpunto1 := 1.0004824871371
tduepunti0 := -9.9697925837361E+14
v=v_elettrone := 4318625.8055919
x0= : -1.2290210830063E-12
y0= : -4.041644753436E-12
*****
i=31679
k(31679)=0.99994485260434
kQ(31679)=0.99988970824992
r1= : 4.225118835608E-12
rpunto1:= 3148411.9597603
rduepunti0 := -1.2120490283948E+25
fil := 488.22261732865
fipunto1 := 6.9875884438467E+17
fi_gradi := 27973.095435762
t1 := 1.0809158143785E-14
tpunto1 := 1.0004823702858
tduepunti0 := -9.9635494120099E+14
v=v_elettrone := 4317411.7458046
x0= : -1.228797245547E-12
y0= : -4.042099089886E-12
*****
i=31680
k(31680)=0.99994490238347
kQ(31680)=0.99988980780268
r1= : 4.2254880772487E-12
rpunto1:= 3146990.7118024
rduepunti0 := -1.2118552121627E+25
fil := 488.22269927817
fipunto1 := 6.9863671250048E+17
fi_gradi := 27973.100131124
t1 := 1.080915826112E-14
tpunto1 := 1.0004822535078
tduepunti0 := -9.9573097800886E+14
v=v_elettrone := 4316198.1048364
x0= : -1.2285733513581E-12
y0= : -4.0425532396423E-12
```

```
*****
i=31681
k(31681)=0.99994495213216
kQ(31681)=0.99988990729458
r1= : 4.2258571522073E-12
rpunto1: = 3145569.690993
rduepunti0 : = -1.2116615294476E+25
fil : = 488.22278121337
fipunto1 : = 6.9851466775155E+17
fi_gradi : = 27973.104825665
t1 : = 1.0809158378455E-14
tpunto1 : = 1.0004821368029
tduepunti0 : = -9.9510736845072E+14
v=v_elettrone : = 4314984.8828335
x0= : -1.228349400465E-12
y0= : -4.0430072027327E-12
*****
i=31682
k(31682)=0.99994500185044
kQ(31682)=0.99989000672567
r1= : 4.2262260605105E-12
rpunto1: = 3144148.8971758
rduepunti0 : = -1.2114679801589E+25
fil : = 488.22286313426
fipunto1 : = 6.9839271007455E+17
fi_gradi : = 27973.109519386
t1 : = 1.080915849579E-14
tpunto1 : = 1.0004820201711
tduepunti0 : = -9.9448411218045E+14
v=v_elettrone : = 4313772.0798748
x0= : -1.2281253928927E-12
y0= : -4.0434609791853E-12
*****
i=31683
k(31683)=0.99994505153832
kQ(31683)=0.99989010609598
r1= : 4.2265948021848E-12
rpunto1: = 3142728.3301942
rduepunti0 : = -1.2112745642059E+25
fil : = 488.22294504085
fipunto1 : = 6.9827083940623E+17
fi_gradi : = 27973.114212288
t1 : = 1.0809158613126E-14
tpunto1 : = 1.0004819036124
tduepunti0 : = -9.938612088523E+14
v=v_elettrone : = 4312559.6946786
x0= : -1.2279013286663E-12
y0= : -4.043914569028E-12
*****
i=31684
k(31684)=0.99994510119582
kQ(31684)=0.99989020540553
r1= : 4.2269633772568E-12
rpunto1: = 3141307.9898921
rduepunti0 : = -1.2110812814979E+25
fil : = 488.22302693314
fipunto1 : = 6.981490556834E+17
fi_gradi : = 27973.118904371
t1 : = 1.0809158730461E-14
tpunto1 : = 1.0004817871267
tduepunti0 : = -9.9323865812094E+14
v=v_elettrone : = 4311347.7287518
x0= : -1.2276772078113E-12
y0= : -4.0443679722888E-12
```

```
*****
i=31685
k(31685)=0.99994515082296
kQ(31685)=0.99989030465436
r1= : 4.2273317857532E-12
rpunto1 : = 3139887.8761132
rduepunti0 : = -1.2108881319446E+25
fil : = 488.22310881115
fipunto1 : = 6.9802735884294E+17
fi_gradi : = 27973.123595635
t1 : = 1.0809158847796E-14
tpunto1 : = 1.0004816707139
tduepunti0 : = -9.9261645964138E+14
v=v_elettrone : = 4310136.1807954
x0= : -1.2274530303526E-12
y0= : -4.0448211889957E-12
*****
i=31686
k(31686)=0.99994520041975
kQ(31686)=0.9998904038425
r1= : 4.2277000277005E-12
rpunto1 : = 3138467.9887016
rduepunti0 : = -1.2106951154556E+25
fil : = 488.22319067488
fipunto1 : = 6.9790574882181E+17
fi_gradi : = 27973.128286082
t1 : = 1.0809158965131E-14
tpunto1 : = 1.0004815543741
tduepunti0 : = -9.9199461306906E+14
v=v_elettrone : = 4308925.0523049
x0= : -1.2272287963155E-12
y0= : -4.0452742191764E-12
*****
i=31687
k(31687)=0.99994524998621
kQ(31687)=0.99989050296999
r1= : 4.2280681031253E-12
rpunto1 : = 3137048.3275012
rduepunti0 : = -1.2105022319405E+25
fil : = 488.22327252436
fipunto1 : = 6.9778422555702E+17
fi_gradi : = 27973.132975711
t1 : = 1.0809159082466E-14
tpunto1 : = 1.0004814381071
tduepunti0 : = -9.9137311805977E+14
v=v_elettrone : = 4307714.340615
x0= : -1.2270045057249E-12
y0= : -4.045727062859E-12
*****
i=31688
k(31688)=0.99994529952235
kQ(31688)=0.99989060203685
r1= : 4.2284360120541E-12
rpunto1 : = 3135628.8923563
rduepunti0 : = -1.2103094813091E+25
fil : = 488.22335435958
fipunto1 : = 6.9766278898567E+17
fi_gradi : = 27973.137664524
t1 : = 1.0809159199802E-14
tpunto1 : = 1.000481321913
tduepunti0 : = -9.9075197426969E+14
v=v_elettrone : = 4306504.0485928
x0= : -1.2267801586062E-12
y0= : -4.0461797200712E-12
```

```

*****
i=31689
k(31689)=0.9999453490282
kQ(31689)=0.99989070104312
r1= : 4.2288037545134E-12
rpunto1 : = 3134209.683111
rduepunti0 : = -1.2101168634715E+25
fil : = 488.22343618056
fipunto1 : = 6.9754143904492E+17
fi_gradi : = 27973.142352521
t1 : = 1.0809159317137E-14
tpunto1 : = 1.0004812057917
tduepunti0 : = -9.9013118135539E+14
v=v_elettrone : = 4305294.1735853
x0= : -1.2265557549843E-12
y0= : -4.046632190841E-12
*****
i=31690
k(31690)=0.99994539850376
kQ(31690)=0.99989079998884
r1= : 4.2291713305296E-12
rpunto1 : = 3132790.6996098
rduepunti0 : = -1.2099243783375E+25
fil : = 488.22351798731
fipunto1 : = 6.9742017567201E+17
fi_gradi : = 27973.147039702
t1 : = 1.0809159434472E-14
tpunto1 : = 1.0004810897432
tduepunti0 : = -9.8951073897382E+14
v=v_elettrone : = 4304084.7184735
x0= : -1.2263312948843E-12
y0= : -4.0470844751961E-12
*****
i=31691
k(31691)=0.99994544794905
kQ(31691)=0.99989089887403
r1= : 4.2295387401294E-12
rpunto1 : = 3131371.9416971
rduepunti0 : = -1.2097320258172E+25
fil : = 488.22359977984
fipunto1 : = 6.9729899880422E+17
fi_gradi : = 27973.151726069
t1 : = 1.0809159551807E-14
tpunto1 : = 1.0004809737674
tduepunti0 : = -9.8889064678231E+14
v=v_elettrone : = 4302875.6791616
x0= : -1.2261067783311E-12
y0= : -4.0475365731645E-12
*****
i=31692
k(31692)=0.99994549736409
kQ(31692)=0.99989099769872
r1= : 4.229905983339E-12
rpunto1 : = 3129953.4092175
rduepunti0 : = -1.209539805821E+25
fil : = 488.22368155815
fipunto1 : = 6.9717790837893E+17
fi_gradi : = 27973.156411621
t1 : = 1.0809159669142E-14
tpunto1 : = 1.0004808578643
tduepunti0 : = -9.8827090443856E+14
v=v_elettrone : = 4301667.0599703
x0= : -1.2258822053502E-12
y0= : -4.0479884847737E-12

```

```
*****
i=31693
k(31693)=0.9999455467489
kQ(31693)=0.99989109646295
r1= : 4.230273060185E-12
rpunto1 : = 3128535.1020157
rduepunti0 : = -1.2093477182589E+25
fil : = 488.22376332227
fipunto1 : = 6.9705690433357E+17
fi_gradi : = 27973.16109636
t1 : = 1.0809159786477E-14
tpunto1 : = 1.0004807420338
tduepunti0 : = -9.8765151160066E+14
v=v_elettrone : = 4300458.8567874
x0= : -1.2256575759661E-12
y0= : -4.0484402100518E-12
*****
i=31694
k(31694)=0.99994559610348
kQ(31694)=0.99989119516675
r1= : 4.2306399706938E-12
rpunto1 : = 3127117.0199365
rduepunti0 : = -1.2091557630415E+25
fil : = 488.22384507219
fipunto1 : = 6.9693598660566E+17
fi_gradi : = 27973.165780285
t1 : = 1.0809159903812E-14
tpunto1 : = 1.0004806262759
tduepunti0 : = -9.8703246792709E+14
v=v_elettrone : = 4299251.0725376
x0= : -1.2254328902042E-12
y0= : -4.0488917490263E-12
*****
i=31695
k(31695)=0.99994564542787
kQ(31695)=0.99989129381016
r1= : 4.2310067148918E-12
rpunto1 : = 3125699.1628247
rduepunti0 : = -1.2089639400791E+25
fil : = 488.22392680793
fipunto1 : = 6.9681515513278E+17
fi_gradi : = 27973.170463398
t1 : = 1.0809160021147E-14
tpunto1 : = 1.0004805105906
tduepunti0 : = -9.8641377307669E+14
v=v_elettrone : = 4298043.7059251
x0= : -1.2252081480894E-12
y0= : -4.049343101725E-12
*****
i=31696
k(31696)=0.99994569472207
kQ(31696)=0.99989139239319
r1= : 4.2313732928054E-12
rpunto1 : = 3124281.5305254
rduepunti0 : = -1.2087722492825E+25
fil : = 488.2240085295
fipunto1 : = 6.9669440985255E+17
fi_gradi : = 27973.1751457
t1 : = 1.0809160138482E-14
tpunto1 : = 1.0004803949778
tduepunti0 : = -9.8579542670868E+14
v=v_elettrone : = 4296836.7570403
x0= : -1.2249833496467E-12
y0= : -4.0497942681756E-12
```



```

*****
i=31697
k(31697)=0.99994574398609
kQ(31697)=0.9998914909159
r1= : 4.2317397044609E-12
rpunto1 : = 3122864.1228836
rduepunti0 : = -1.2085806905621E+25
fil : = 488.22409023691
fipunto1 : = 6.9657375070271E+17
fi_gradi : = 27973.179827189
t1 : = 1.0809160255817E-14
tpunto1 : = 1.0004802794375
tduepunti0 : = -9.8517742848268E+14
v=v_elettrone : = 4295630.2260012
x0= : -1.2247584949009E-12
y0= : -4.0502452484059E-12
*****
i=31698
k(31698)=0.99994579321996
kQ(31698)=0.9998915893783
r1= : 4.2321059498847E-12
rpunto1 : = 3121446.9397447
rduepunti0 : = -1.2083892638288E+25
fil : = 488.22417193017
fipunto1 : = 6.9645317762102E+17
fi_gradi : = 27973.184507868
t1 : = 1.0809160373152E-14
tpunto1 : = 1.0004801639696
tduepunti0 : = -9.8455977805865E+14
v=v_elettrone : = 4294424.1115076
x0= : -1.2245335838771E-12
y0= : -4.0506960424435E-12
*****
i=31699
k(31699)=0.99994584242369
kQ(31699)=0.99989168778043
r1= : 4.2324720291031E-12
rpunto1 : = 3120029.9809538
rduepunti0 : = -1.2081979689934E+25
fil : = 488.22425360929
fipunto1 : = 6.9633269054535E+17
fi_gradi : = 27973.189187737
t1 : = 1.0809160490487E-14
tpunto1 : = 1.0004800485741
tduepunti0 : = -9.8394247509696E+14
v=v_elettrone : = 4293218.4150726
x0= : -1.2243086166004E-12
y0= : -4.0511466503161E-12
*****
i=31700
k(31700)=0.9999458915973
kQ(31700)=0.99989178612233
r1= : 4.2328379421424E-12
rpunto1 : = 3118613.2463564
rduepunti0 : = -1.2080068059669E+25
fil : = 488.22433527428
fipunto1 : = 6.9621228941362E+17
fi_gradi : = 27973.193866796
t1 : = 1.0809160607822E-14
tpunto1 : = 1.000479933251
tduepunti0 : = -9.8332551925835E+14
v=v_elettrone : = 4292013.1353922
x0= : -1.2240835930955E-12
y0= : -4.0515970720513E-12

```

```
*****
i=31701
k(31701)=0.99994594074081
kQ(31701)=0.99989188440402
r1= : 4.2332036890289E-12
rpunto1: = 3117196.735798
rduepunti0 : = -1.2078157746603E+25
fil : = 488.22441692515
fipunto1 : = 6.960919741638E+17
fi_gradi : = 27973.198545046
t1 : = 1.0809160725157E-14
tpunto1 : = 1.0004798180002
tduepunti0 : = -9.8270891020392E+14
v=v_elettrone : = 4290808.2739833
x0= : -1.2238585133876E-12
y0= : -4.0520473076766E-12
*****
i=31702
k(31702)=0.99994598985422
kQ(31702)=0.99989198262553
r1= : 4.233569269789E-12
rpunto1: = 3115780.4491243
rduepunti0 : = -1.2076248749847E+25
fil : = 488.2244985619
fipunto1 : = 6.9597174473396E+17
fi_gradi : = 27973.203222488
t1 : = 1.0809160842492E-14
tpunto1 : = 1.0004797028216
tduepunti0 : = -9.8209264759516E+14
v=v_elettrone : = 4289603.8295517
x0= : -1.2236333775013E-12
y0= : -4.0524973572198E-12
*****
i=31703
k(31703)=0.99994603893755
kQ(31703)=0.9998920807869
r1= : 4.2339346844488E-12
rpunto1: = 3114364.3861809
rduepunti0 : = -1.2074341068513E+25
fil : = 488.22458018456
fipunto1 : = 6.9585160106222E+17
fi_gradi : = 27973.207899122
t1 : = 1.0809160959827E-14
tpunto1 : = 1.0004795877153
tduepunti0 : = -9.8147673109393E+14
v=v_elettrone : = 4288399.8022042
x0= : -1.2234081854615E-12
y0= : -4.0529472207083E-12
*****
i=31704
k(31704)=0.99994608799083
kQ(31704)=0.99989217888817
r1= : 4.2342999330345E-12
rpunto1: = 3112948.5468137
rduepunti0 : = -1.2072434701715E+25
fil : = 488.22466179313
fipunto1 : = 6.9573154308677E+17
fi_gradi : = 27973.212574948
t1 : = 1.0809161077162E-14
tpunto1 : = 1.0004794726812
tduepunti0 : = -9.8086116036245E+14
v=v_elettrone : = 4287196.1920321
x0= : -1.2231829372933E-12
y0= : -4.0533968981698E-12
```

```
*****
i=31705
k(31705)=0.99994613701406
kQ(31705)=0.99989227692935
r1= : 4.2346650155725E-12
rpunto1: = 3111532.9308687
rduepunti0 : = -1.2070529648567E+25
fil : = 488.22474338761
fipunto1 : = 6.9561157074588E+17
fi_gradi : = 27973.217249968
t1 : = 1.0809161194497E-14
tpunto1 : = 1.0004793577192
tduepunti0 : = -9.8024593506335E+14
v=v_elettrone : = 4285992.9991513
x0= : -1.2229576330214E-12
y0= : -4.0538463896318E-12
*****
i=31706
k(31706)=0.99994618600727
kQ(31706)=0.99989237491049
r1= : 4.2350299320889E-12
rpunto1: = 3110117.5381919
rduepunti0 : = -1.2068625908183E+25
fil : = 488.22482496803
fipunto1 : = 6.9549168397787E+17
fi_gradi : = 27973.221924181
t1 : = 1.0809161311832E-14
tpunto1 : = 1.0004792428294
tduepunti0 : = -9.7963105485961E+14
v=v_elettrone : = 4284790.2222764
x0= : -1.2227322726705E-12
y0= : -4.0542956951219E-12
*****
i=31707
k(31707)=0.99994623497046
kQ(31707)=0.99989247283161
r1= : 4.2353946826099E-12
rpunto1: = 3108702.3686294
rduepunti0 : = -1.2066723479681E+25
fil : = 488.22490653438
fipunto1 : = 6.9537188272114E+17
fi_gradi : = 27973.226597589
t1 : = 1.0809161429167E-14
tpunto1 : = 1.0004791280116
tduepunti0 : = -9.7901651941456E+14
v=v_elettrone : = 4283587.8628985
x0= : -1.2225068562658E-12
y0= : -4.0547448146674E-12
*****
i=31708
k(31708)=0.99994628390366
kQ(31708)=0.99989257069275
r1= : 4.2357592671616E-12
rpunto1: = 3107287.4220275
rduepunti0 : = -1.2064822362175E+25
fil : = 488.22498808669
fipunto1 : = 6.9525216691416E+17
fi_gradi : = 27973.231270192
t1 : = 1.0809161546502E-14
tpunto1 : = 1.0004790132659
tduepunti0 : = -9.7840232839195E+14
v=v_elettrone : = 4282385.9211398
x0= : -1.2222813838319E-12
y0= : -4.0551937482959E-12
```

```
*****
i=31709
k(31709)=0.99994633280688
kQ(31709)=0.99989266849393
r1= : 4.2361236857703E-12
rpunto1:= 3105872.6982325
rduepunti0 := -1.2062922554786E+25
fil := 488.22506962496
fipunto1 := 6.9513253649545E+17
fi_gradi := 27973.235941991
t1 := 1.0809161663837E-14
tpunto1 := 1.0004788985921
tduepunti0 := -9.7778848145586E+14
v=v_elettrone := 4281184.3942905
x0= : -1.2220558553935E-12
y0= : -4.0556424960349E-12
*****
i=31710
k(31710)=0.99994638168014
kQ(31710)=0.9998927662352
r1= : 4.236487938462E-12
rpunto1:= 3104458.1970909
rduepunti0 := -1.206102405663E+25
fil := 488.22515114919
fipunto1 := 6.9501299140362E+17
fi_gradi := 27973.240612985
t1 := 1.0809161781172E-14
tpunto1 := 1.0004787839903
tduepunti0 := -9.7717497827077E+14
v=v_elettrone := 4279983.2852583
x0= : -1.2218302709757E-12
y0= : -4.0560910579117E-12
*****
i=31711
k(31711)=0.99994643052345
kQ(31711)=0.99989286391658
r1= : 4.2368520252629E-12
rpunto1:= 3103043.9184493
rduepunti0 := -1.2059126866828E+25
fil := 488.22523265941
fipunto1 := 6.9489353157734E+17
fi_gradi := 27973.245283177
t1 := 1.0809161898506E-14
tpunto1 := 1.0004786694604
tduepunti0 := -9.7656181850152E+14
v=v_elettrone := 4278782.5927692
x0= : -1.221604630603E-12
y0= : -4.0565394339539E-12
*****
i=31712
k(31712)=0.99994647933682
kQ(31712)=0.9998929615381
r1= : 4.237215946199E-12
rpunto1:= 3101629.8621542
rduepunti0 := -1.20572309845E+25
fil := 488.22531415561
fipunto1 := 6.9477415695533E+17
fi_gradi := 27973.249952565
t1 := 1.0809162015841E-14
tpunto1 := 1.0004785550024
tduepunti0 := -9.7594900181331E+14
v=v_elettrone := 4277582.3169087
x0= : -1.2213789343003E-12
y0= : -4.0569876241888E-12
```

```

*****
i=31713
k(31713)=0.99994652812028
kQ(31713)=0.9998930590998
r1= : 4.2375797012964E-12
rpunto1: = 3100216.0280525
rduepunti0 : = -1.2055336408769E+25
fil : = 488.22539563782
fipunto1 : = 6.9465486747641E+17
fi_gradi : = 27973.254621152
t1 : = 1.0809162133176E-14
tpunto1 : = 1.0004784406162
tduepunti0 : = -9.7533652787172E+14
v=v_elettrone : = 4276382.4577967
x0= : -1.2211531820922E-12
y0= : -4.0574356286439E-12
*****
i=31714
k(31714)=0.99994657687383
kQ(31714)=0.9998931566017
r1= : 4.2379432905812E-12
rpunto1: = 3098802.415991
rduepunti0 : = -1.2053443138756E+25
fil : = 488.22547710603
fipunto1 : = 6.9453566307943E+17
fi_gradi : = 27973.259288937
t1 : = 1.0809162250511E-14
tpunto1 : = 1.0004783263018
tduepunti0 : = -9.747243963427E+14
v=v_elettrone : = 4275183.0141217
x0= : -1.2209273740035E-12
y0= : -4.0578834473464E-12
*****
i=31715
k(31715)=0.99994662559751
kQ(31715)=0.99989325404384
r1= : 4.2383067140795E-12
rpunto1: = 3097389.0258168
rduepunti0 : = -1.2051551173584E+25
fil : = 488.22555856027
fipunto1 : = 6.9441654370335E+17
fi_gradi : = 27973.263955921
t1 : = 1.0809162367846E-14
tpunto1 : = 1.0004782120591
tduepunti0 : = -9.7411260689256E+14
v=v_elettrone : = 4273983.9874051
x0= : -1.220701510059E-12
y0= : -4.0583310803238E-12
*****
i=31716
k(31716)=0.99994667429131
kQ(31716)=0.99989335142625
r1= : 4.2386699718171E-12
rpunto1: = 3095975.8573768
rduepunti0 : = -1.2049660512378E+25
fil : = 488.22564000053
fipunto1 : = 6.9429750928715E+17
fi_gradi : = 27973.268622104
t1 : = 1.080916248518E-14
tpunto1 : = 1.0004780978882
tduepunti0 : = -9.7350115918799E+14
v=v_elettrone : = 4272785.3763554
x0= : -1.2204755902832E-12
y0= : -4.0587785276033E-12

```

```
*****
i=31717
k(31717)=0.99994672295526
kQ(31717)=0.99989344874896
r1= : 4.2390330638203E-12
rpunto1: = 3094562.9105183
rduepunti0 : = -1.2047771154264E+25
fil : = 488.22572142684
fipunto1 : = 6.9417855976992E+17
fi_gradi : = 27973.273287488
t1 : = 1.0809162602515E-14
tpunto1 : = 1.0004779837889
tduepunti0 : = -9.7289005289604E+14
v=v_elettrone : = 4271587.1824608
x0= : -1.2202496147011E-12
y0= : -4.0592257892123E-12
*****
i=31718
k(31718)=0.99994677158937
kQ(31718)=0.999893546012
r1= : 4.2393959901149E-12
rpunto1: = 3093150.1850885
rduepunti0 : = -1.2045883098366E+25
fil : = 488.22580283919
fipunto1 : = 6.940596950908E+17
fi_gradi : = 27973.277952072
t1 : = 1.080916271985E-14
tpunto1 : = 1.0004778697613
tduepunti0 : = -9.7227928768412E+14
v=v_elettrone : = 4270389.4030365
x0= : -1.2200235833371E-12
y0= : -4.059672865178E-12
*****
i=31719
k(31719)=0.99994682019366
kQ(31719)=0.99989364321541
r1= : 4.2397587507268E-12
rpunto1: = 3091737.6809348
rduepunti0 : = -1.2043996343813E+25
fil : = 488.22588423761
fipunto1 : = 6.9394091518897E+17
fi_gradi : = 27973.282615858
t1 : = 1.0809162837185E-14
tpunto1 : = 1.0004777558052
tduepunti0 : = -9.7166886322003E+14
v=v_elettrone : = 4269192.0410048
x0= : -1.2197974962161E-12
y0= : -4.0601197555278E-12
*****
i=31720
k(31720)=0.99994686876814
kQ(31720)=0.99989374035921
r1= : 4.2401213456822E-12
rpunto1: = 3090325.3979047
rduepunti0 : = -1.2042110889732E+25
fil : = 488.22596562209
fipunto1 : = 6.9382222000373E+17
fi_gradi : = 27973.287278845
t1 : = 1.0809162954519E-14
tpunto1 : = 1.0004776419207
tduepunti0 : = -9.710587791719E+14
v=v_elettrone : = 4267995.0950655
x0= : -1.2195713533625E-12
y0= : -4.0605664602888E-12
```

```

*****
i=31721
k(31721)=0.99994691731283
kQ(31721)=0.99989383744344
r1= : 4.2404837750068E-12
rpunto1: = 3088913.3358457
rduepunti0 : = -1.2040226735252E+25
fil : = 488.22604699265
fipunto1 : = 6.937036094744E+17
fi_gradi : = 27973.291941035
t1 : = 1.0809163071854E-14
tpunto1 : = 1.0004775281077
tduepunti0 : = -9.7044903520826E+14
v=v_elettrone : = 4266798.5638958
x0= : -1.219345154801E-12
y0= : -4.0610129794884E-12
*****
i=31722
k(31722)=0.99994696582775
kQ(31722)=0.99989393446813
r1= : 4.2408460387267E-12
rpunto1: = 3087501.4946057
rduepunti0 : = -1.2038343879503E+25
fil : = 488.22612834931
fipunto1 : = 6.9358508354039E+17
fi_gradi : = 27973.296602428
t1 : = 1.0809163189189E-14
tpunto1 : = 1.0004774143662
tduepunti0 : = -9.6983963099799E+14
v=v_elettrone : = 4265602.449035
x0= : -1.2191189005564E-12
y0= : -4.0614593131536E-12
*****
i=31723
k(31723)=0.99994701431291
kQ(31723)=0.9998940314333
r1= : 4.2412081368676E-12
rpunto1: = 3086089.8740323
rduepunti0 : = -1.2036462321616E+25
fil : = 488.22620969206
fipunto1 : = 6.9346664214118E+17
fi_gradi : = 27973.301263024
t1 : = 1.0809163306523E-14
tpunto1 : = 1.0004773006961
tduepunti0 : = -9.6923056621033E+14
v=v_elettrone : = 4264406.7505815
x0= : -1.2188925906532E-12
y0= : -4.0619054613118E-12
*****
i=31724
k(31724)=0.99994706276832
kQ(31724)=0.99989412833899
r1= : 4.2415700694555E-12
rpunto1: = 3084678.4739734
rduepunti0 : = -1.2034582060722E+25
fil : = 488.22629102092
fipunto1 : = 6.933482852163E+17
fi_gradi : = 27973.305922825
t1 : = 1.0809163423858E-14
tpunto1 : = 1.0004771870974
tduepunti0 : = -9.6862184051488E+14
v=v_elettrone : = 4263211.4672423
x0= : -1.2186662251158E-12
y0= : -4.0623514239901E-12

```

```
*****
i=31725
k(31725)=0.999947111119401
kQ(31725)=0.99989422518524
r1= : 4.2419318365163E-12
rpunto1: = 3083267.294277
rduepunti0 : = -1.2032703095953E+25
fil : = 488.2263723359
fipunto1 : = 6.9323001270535E+17
fi_gradi : = 27973.31058183
t1 : = 1.0809163541193E-14
tpunto1 : = 1.00047707357
tduepunti0 : = -9.6801345358162E+14
v=v_elettrone : = 4262016.5991123
x0= : -1.2184398039689E-12
y0= : -4.0627972012156E-12
*****
i=31726
k(31726)=0.99994715958998
kQ(31726)=0.99989432197207
r1= : 4.2422934380758E-12
rpunto1: = 3081856.3347913
rduepunti0 : = -1.2030825426443E+25
fil : = 488.22645363701
fipunto1 : = 6.9311182454801E+17
fi_gradi : = 27973.31524004
t1 : = 1.0809163658527E-14
tpunto1 : = 1.000476960114
tduepunti0 : = -9.6740540508089E+14
v=v_elettrone : = 4260822.1477209
x0= : -1.2182133272373E-12
y0= : -4.0632427930155E-12
*****
i=31727
k(31727)=0.99994720795625
kQ(31727)=0.99989441869951
r1= : 4.2426548741598E-12
rpunto1: = 3080445.5953644
rduepunti0 : = -1.2028949051326E+25
fil : = 488.22653492426
fipunto1 : = 6.9299372068401E+17
fi_gradi : = 27973.319897457
t1 : = 1.0809163775862E-14
tpunto1 : = 1.0004768467292
tduepunti0 : = -9.6679769468338E+14
v=v_elettrone : = 4259628.1103379
x0= : -1.2179867949451E-12
y0= : -4.0636881994169E-12
*****
i=31728
k(31728)=0.99994725629285
kQ(31728)=0.99989451536759
r1= : 4.2430161447941E-12
rpunto1: = 3079035.0758447
rduepunti0 : = -1.2027073969739E+25
fil : = 488.22661619766
fipunto1 : = 6.9287570105316E+17
fi_gradi : = 27973.324554079
t1 : = 1.0809163893197E-14
tpunto1 : = 1.0004767334157
tduepunti0 : = -9.6619032206014E+14
v=v_elettrone : = 4258434.489925
x0= : -1.2177602071172E-12
y0= : -4.0641334204469E-12
```



```
*****
i=31729
k(31729)=0.99994730459977
kQ(31729)=0.99989461197635
r1= : 4.2433772500045E-12
rpunto1: = 3077624.7760804
rduepunti0 : = -1.2025200180815E+25
fil : = 488.22669745721
fipunto1 : = 6.9275776559532E+17
fi_gradi : = 27973.329209909
t1 : = 1.0809164010531E-14
tpunto1 : = 1.0004766201733
tduepunti0 : = -9.6558328688261E+14
v=v_elettrone : = 4257241.2837252
x0= : -1.2175335637779E-12
y0= : -4.0645784561326E-12
*****
i=31730
k(31730)=0.99994735287705
kQ(31730)=0.99989470852582
r1= : 4.2437381898168E-12
rpunto1: = 3076214.6959202
rduepunti0 : = -1.2023327683694E+25
fil : = 488.22677870294
fipunto1 : = 6.9263991425044E+17
fi_gradi : = 27973.333864946
t1 : = 1.0809164127866E-14
tpunto1 : = 1.0004765070021
tduepunti0 : = -9.6497658882255E+14
v=v_elettrone : = 4256048.4932882
x0= : -1.2173068649518E-12
y0= : -4.0650233065011E-12
*****
i=31731
k(31731)=0.99994740112469
kQ(31731)=0.99989480501603
r1= : 4.2440989642567E-12
rpunto1: = 3074804.8352125
rduepunti0 : = -1.2021456477512E+25
fil : = 488.22685993484
fipunto1 : = 6.925221469585E+17
fi_gradi : = 27973.338519191
t1 : = 1.08091642452E-14
tpunto1 : = 1.0004763939021
tduepunti0 : = -9.6437022755211E+14
v=v_elettrone : = 4254856.1187224
x0= : -1.2170801106634E-12
y0= : -4.0654679715793E-12
*****
i=31732
k(31732)=0.99994744934272
kQ(31732)=0.999894901447
r1= : 4.2444595733501E-12
rpunto1: = 3073395.1938062
rduepunti0 : = -1.2019586561409E+25
fil : = 488.22694115294
fipunto1 : = 6.9240446365958E+17
fi_gradi : = 27973.343172645
t1 : = 1.0809164362535E-14
tpunto1 : = 1.0004762808731
tduepunti0 : = -9.637642027438E+14
v=v_elettrone : = 4253664.1572908
x0= : -1.216853300937E-12
y0= : -4.0659124513944E-12
```

```
*****
i=31733
k(31733)=0.99994749753113
kQ(31733)=0.99989499781878
r1= : 4.2448200171225E-12
rpunto1: = 3071985.77155
rduepunti0 : = -1.2017717934524E+25
fil : = 488.22702235723
fipunto1 : = 6.9228686429382E+17
fi_gradi : = 27973.347825308
t1 : = 1.080916447987E-14
tpunto1 : = 1.0004761679151
tduepunti0 : = -9.6315851407046E+14
v=v_elettrone : = 4252472.6133646
x0= : -1.2166264357974E-12
y0= : -4.0663567459732E-12
*****
i=31734
k(31734)=0.99994754568996
kQ(31734)=0.99989509413138
r1= : 4.2451802955997E-12
rpunto1: = 3070576.5682929
rduepunti0 : = -1.2015850595997E+25
fil : = 488.22710354773
fipunto1 : = 6.921693488014E+17
fi_gradi : = 27973.352477181
t1 : = 1.0809164597204E-14
tpunto1 : = 1.0004760550281
tduepunti0 : = -9.6255316120531E+14
v=v_elettrone : = 4251281.4827885
x0= : -1.2163995152687E-12
y0= : -4.0668008553429E-12
*****
i=31735
k(31735)=0.99994759381922
kQ(31735)=0.99989519038485
r1= : 4.2455404088074E-12
rpunto1: = 3069167.5838837
rduepunti0 : = -1.2013984544972E+25
fil : = 488.22718472444
fipunto1 : = 6.920519171226E+17
fi_gradi : = 27973.357128265
t1 : = 1.0809164714539E-14
tpunto1 : = 1.0004759422121
tduepunti0 : = -9.6194814382195E+14
v=v_elettrone : = 4250090.7670928
x0= : -1.2161725393756E-12
y0= : -4.0672447795303E-12
*****
i=31736
k(31736)=0.99994764191892
kQ(31736)=0.99989528657921
r1= : 4.2459003567713E-12
rpunto1: = 3067758.8181717
rduepunti0 : = -1.2012119780589E+25
fil : = 488.22726588739
fipunto1 : = 6.9193456919773E+17
fi_gradi : = 27973.361778559
t1 : = 1.0809164831873E-14
tpunto1 : = 1.000475829467
tduepunti0 : = -9.6134346159428E+14
v=v_elettrone : = 4248900.4678135
x0= : -1.2159455081425E-12
y0= : -4.0676885185624E-12
```

```
*****
i=31737
k(31737)=0.99994768998908
kQ(31737)=0.99989538271449
r1= : 4.2462601395169E-12
rpunto1: = 3066350.271006
rduepunti0 : = -1.2010256301992E+25
fil : = 488.22734703657
fipunto1 : = 6.918173049672E+17
fi_gradi : = 27973.366428064
t1 : = 1.0809164949208E-14
tpunto1 : = 1.0004757167928
tduepunti0 : = -9.6073911419662E+14
v=v_elettrone : = 4247710.5822141
x0= : -1.2157184215935E-12
y0= : -4.0681320724663E-12
*****
i=31738
k(31738)=0.99994773802971
kQ(31738)=0.99989547879073
r1= : 4.24661975707E-12
rpunto1: = 3064941.942236
rduepunti0 : = -1.2008394108326E+25
fil : = 488.227428172
fipunto1 : = 6.9170012437147E+17
fi_gradi : = 27973.371076782
t1 : = 1.0809165066542E-14
tpunto1 : = 1.0004756041894
tduepunti0 : = -9.6013510130361E+14
v=v_elettrone : = 4246521.1104035
x0= : -1.2154912797532E-12
y0= : -4.0685754412686E-12
*****
i=31739
k(31739)=0.99994778604083
kQ(31739)=0.99989557480795
r1= : 4.2469792094561E-12
rpunto1: = 3063533.831711
rduepunti0 : = -1.2006533198735E+25
fil : = 488.22750929369
fipunto1 : = 6.9158302735106E+17
fi_gradi : = 27973.375724712
t1 : = 1.0809165183877E-14
tpunto1 : = 1.0004754916568
tduepunti0 : = -9.5953142259025E+14
v=v_elettrone : = 4245332.0553285
x0= : -1.2152640826463E-12
y0= : -4.0690186249963E-12
*****
i=31740
k(31740)=0.99994783402245
kQ(31740)=0.99989567076619
r1= : 4.2473384967009E-12
rpunto1: = 3062125.9392806
rduepunti0 : = -1.2004673572366E+25
fil : = 488.22759040164
fipunto1 : = 6.9146601384656E+17
fi_gradi : = 27973.380371856
t1 : = 1.0809165301211E-14
tpunto1 : = 1.0004753791949
tduepunti0 : = -9.589280777319E+14
v=v_elettrone : = 4244143.4142713
x0= : -1.2150368302966E-12
y0= : -4.0694616236764E-12
```

```
*****
i=31741
k(31741)=0.99994788197459
kQ(31741)=0.99989576666548
r1= : 4.2476976188299E-12
rpunto1 : = 3060718.2647943
rduepunti0 : = -1.2002815228365E+25
fil : = 488.22767149587
fipunto1 : = 6.9134908379862E+17
fi_gradi : = 27973.385018213
t1 : = 1.0809165418546E-14
tpunto1 : = 1.0004752668038
tduepunti0 : = -9.5832506640428E+14
v=v_elettrone : = 4242955.1873288
x0= : -1.2148095227287E-12
y0= : -4.0699044373357E-12
*****
i=31742
k(31742)=0.99994792989727
kQ(31742)=0.99989586250584
r1= : 4.2480565758686E-12
rpunto1 : = 3059310.8081019
rduepunti0 : = -1.2000958165881E+25
fil : = 488.22775257639
fipunto1 : = 6.9123223714798E+17
fi_gradi : = 27973.389663784
t1 : = 1.080916553588E-14
tpunto1 : = 1.0004751544834
tduepunti0 : = -9.5772238828345E+14
v=v_elettrone : = 4241767.3746079
x0= : -1.2145821599669E-12
y0= : -4.070347066001E-12
*****
i=31743
k(31743)=0.9999479777905
kQ(31743)=0.99989595828731
r1= : 4.2484153678427E-12
rpunto1 : = 3057903.5690531
rduepunti0 : = -1.1999102384062E+25
fil : = 488.2278336432
fipunto1 : = 6.911154738354E+17
fi_gradi : = 27973.394308571
t1 : = 1.0809165653214E-14
tpunto1 : = 1.0004750422336
tduepunti0 : = -9.5712004304585E+14
v=v_elettrone : = 4240579.97622
x0= : -1.2143547420357E-12
y0= : -4.0707895096991E-12
*****
i=31744
k(31744)=0.99994802565429
kQ(31744)=0.99989605400992
r1= : 4.2487739947776E-12
rpunto1 : = 3056496.5474979
rduepunti0 : = -1.1997247882057E+25
fil : = 488.22791469632
fipunto1 : = 6.9099879380174E+17
fi_gradi : = 27973.398952572
t1 : = 1.0809165770549E-14
tpunto1 : = 1.0004749300544
tduepunti0 : = -9.5651803036825E+14
v=v_elettrone : = 4239392.9922872
x0= : -1.2141272689594E-12
y0= : -4.0712317684567E-12
```

```
*****
i=31745
k(31745)=0.99994807348867
kQ(31745)=0.9998961496737
r1= : 4.2491324566989E-12
rpunto1: = 3055089.7432863
rduepunti0 : = -1.1995394659018E+25
fil : = 488.22799573576
fipunto1 : = 6.9088219698792E+17
fi_gradi : = 27973.40359579
t1 : = 1.0809165887883E-14
tpunto1 : = 1.0004748179458
tduepunti0 : = -9.5591634992778E+14
v=v_elettrone : = 4238206.4243242
x0= : -1.2138997407621E-12
y0= : -4.0716738423007E-12
*****
i=31746
k(31746)=0.99994812129364
kQ(31746)=0.99989624527867
r1= : 4.249490753632E-12
rpunto1: = 3053683.1562684
rduepunti0 : = -1.1993542714095E+25
fil : = 488.22807676152
fipunto1 : = 6.9076568333492E+17
fi_gradi : = 27973.408238224
t1 : = 1.0809166005218E-14
tpunto1 : = 1.0004747059077
tduepunti0 : = -9.5531500140192E+14
v=v_elettrone : = 4237020.268185
x0= : -1.213672157468E-12
y0= : -4.072115731258E-12
*****
i=31747
k(31747)=0.99994816906922
kQ(31747)=0.99989634082488
r1= : 4.2498488856024E-12
rpunto1: = 3052276.7862943
rduepunti0 : = -1.1991692046441E+25
fil : = 488.22815777361
fipunto1 : = 6.9064925278377E+17
fi_gradi : = 27973.412879875
t1 : = 1.0809166122552E-14
tpunto1 : = 1.0004745939401
tduepunti0 : = -9.5471398446852E+14
v=v_elettrone : = 4235834.5282434
x0= : -1.2134445191017E-12
y0= : -4.072557435355E-12
*****
i=31748
k(31748)=0.99994821681543
kQ(31748)=0.99989643631235
r1= : 4.2502068526356E-12
rpunto1: = 3050870.6332145
rduepunti0 : = -1.1989842655208E+25
fil : = 488.22823877206
fipunto1 : = 6.9053290527559E+17
fi_gradi : = 27973.417520744
t1 : = 1.0809166239886E-14
tpunto1 : = 1.0004744820429
tduepunti0 : = -9.5411329880576E+14
v=v_elettrone : = 4234649.2017664
x0= : -1.2132168256871E-12
y0= : -4.0729989546187E-12
```

```
*****
i=31749
k(31749)=0.99994826453228
kQ(31749)=0.99989653174111
r1= : 4.2505646547569E-12
rpunto1 : = 3049464.6968792
rduepunti0 : = -1.1987994539552E+25
fil : = 488.22831975685
fipunto1 : = 6.9041664075155E+17
fi_gradi : = 27973.422160831
t1 : = 1.0809166357221E-14
tpunto1 : = 1.0004743702162
tduepunti0 : = -9.5351294409218E+14
v=v_elettrone : = 4233464.2888516
x0= : -1.2129890772486E-12
y0= : -4.0734402890758E-12
*****
i=31750
k(31750)=0.99994831221978
kQ(31750)=0.9998966271112
r1= : 4.250922291992E-12
rpunto1 : = 3048058.977139
rduepunti0 : = -1.1986147698626E+25
fil : = 488.22840072801
fipunto1 : = 6.9030045915289E+17
fi_gradi : = 27973.426800137
t1 : = 1.0809166474555E-14
tpunto1 : = 1.0004742584598
tduepunti0 : = -9.5291292000666E+14
v=v_elettrone : = 4232279.7896214
x0= : -1.2127612738105E-12
y0= : -4.0738814387528E-12
*****
i=31751
k(31751)=0.99994835987796
kQ(31751)=0.99989672242263
r1= : 4.251279764366E-12
rpunto1 : = 3046653.4738446
rduepunti0 : = -1.1984302131587E+25
fil : = 488.22848168555
fipunto1 : = 6.9018436042091E+17
fi_gradi : = 27973.431438662
t1 : = 1.0809166591889E-14
tpunto1 : = 1.0004741467738
tduepunti0 : = -9.5231322622846E+14
v=v_elettrone : = 4231095.7041772
x0= : -1.212533415397E-12
y0= : -4.0743224036765E-12
*****
i=31752
k(31752)=0.99994840750683
kQ(31752)=0.99989681767545
r1= : 4.2516370719044E-12
rpunto1 : = 3045248.1868465
rduepunti0 : = -1.198245783759E+25
fil : = 488.22856262947
fipunto1 : = 6.9006834449696E+17
fi_gradi : = 27973.436076407
t1 : = 1.0809166709224E-14
tpunto1 : = 1.000474035158
tduepunti0 : = -9.5171386243716E+14
v=v_elettrone : = 4229912.0340622
x0= : -1.2123055020323E-12
y0= : -4.0747631838734E-12
```

```
*****
i=31753
k(31753)=0.9999484551064
kQ(31753)=0.99989691286968
r1= : 4.2519942146327E-12
rpunto1: = 3043843.1159956
rduepunti0 : = -1.1980614815795E+25
fil : = 488.22864355978
fipunto1 : = 6.899524113225E+17
fi_gradi : = 27973.440713373
t1 : = 1.0809166826558E-14
tpunto1 : = 1.0004739236125
tduepunti0 : = -9.511148283127E+14
v=v_elettrone : = 4228728.7765304
x0= : -1.2120775337404E-12
y0= : -4.0752037793703E-12
*****
i=31754
k(31754)=0.99994850267669
kQ(31754)=0.99989700800536
r1= : 4.252351192576E-12
rpunto1: = 3042438.2611427
rduepunti0 : = -1.1978773065359E+25
fil : = 488.2287244765
fipunto1 : = 6.89836560839E+17
fi_gradi : = 27973.445349559
t1 : = 1.0809166943892E-14
tpunto1 : = 1.0004738121372
tduepunti0 : = -9.5051612353537E+14
v=v_elettrone : = 4227545.9331208
x0= : -1.2118495105457E-12
y0= : -4.0756441901937E-12
*****
i=31755
k(31755)=0.99994855021771
kQ(31755)=0.99989710308251
r1= : 4.2527080057598E-12
rpunto1: = 3041033.622139
rduepunti0 : = -1.1976932585442E+25
fil : = 488.22880537963
fipunto1 : = 6.8972079298802E+17
fi_gradi : = 27973.449984967
t1 : = 1.0809167061226E-14
tpunto1 : = 1.0004737007321
tduepunti0 : = -9.499177477858E+14
v=v_elettrone : = 4226363.5039361
x0= : -1.2116214324723E-12
y0= : -4.0760844163703E-12
*****
i=31756
k(31756)=0.99994859772948
kQ(31756)=0.99989719810116
r1= : 4.2530646542094E-12
rpunto1: = 3039629.1988354
rduepunti0 : = -1.1975093375203E+25
fil : = 488.22888626919
fipunto1 : = 6.8960510771119E+17
fi_gradi : = 27973.454619597
t1 : = 1.0809167178561E-14
tpunto1 : = 1.0004735893971
tduepunti0 : = -9.4931970074499E+14
v=v_elettrone : = 4225181.4876718
x0= : -1.2113932995441E-12
y0= : -4.0765244579265E-12
```

```
*****
i=31757
k(31757)=0.99994864521202
kQ(31757)=0.99989729306135
r1= : 4.2534211379501E-12
rpunto1: = 3038224.9910832
rduepunti0 : = -1.1973255433804E+25
fil : = 488.22896714517
fipunto1 : = 6.8948950495019E+17
fi_gradi : = 27973.45925345
t1 : = 1.0809167295895E-14
tpunto1 : = 1.0004734781322
tduepunti0 : = -9.4872198209426E+14
v=v_elettrone : = 4223999.884433
x0= : -1.2111651117856E-12
y0= : -4.0769643148891E-12
*****
i=31758
k(31758)=0.99994869266533
kQ(31758)=0.9998973879631
r1= : 4.2537774570071E-12
rpunto1: = 3036820.9987337
rduepunti0 : = -1.1971418760407E+25
fil : = 488.2290480076
fipunto1 : = 6.8937398464677E+17
fi_gradi : = 27973.463886526
t1 : = 1.0809167413229E-14
tpunto1 : = 1.0004733669374
tduepunti0 : = -9.4812459151529E+14
v=v_elettrone : = 4222818.6957504
x0= : -1.2109368692207E-12
y0= : -4.0774039872843E-12
*****
i=31759
k(31759)=0.99994874008943
kQ(31759)=0.99989748280645
r1= : 4.2541336114057E-12
rpunto1: = 3035417.2216382
rduepunti0 : = -1.1969583354174E+25
fil : = 488.22912885648
fipunto1 : = 6.8925854674274E+17
fi_gradi : = 27973.468518825
t1 : = 1.0809167530563E-14
tpunto1 : = 1.0004732558126
tduepunti0 : = -9.4752752869011E+14
v=v_elettrone : = 4221637.9203221
x0= : -1.2107085718736E-12
y0= : -4.077843475139E-12
*****
i=31760
k(31760)=0.99994878748435
kQ(31760)=0.99989757759142
r1= : 4.2544896011711E-12
rpunto1: = 3034013.6596482
rduepunti0 : = -1.1967749214269E+25
fil : = 488.22920969182
fipunto1 : = 6.8914319117998E+17
fi_gradi : = 27973.473150349
t1 : = 1.0809167647897E-14
tpunto1 : = 1.0004731447578
tduepunti0 : = -9.4693079330109E+14
v=v_elettrone : = 4220457.5582393
x0= : -1.2104802197682E-12
y0= : -4.0782827784794E-12
```



```
*****
i=31761
k(31761)=0.99994883485009
kQ(31761)=0.99989767231805
r1= : 4.2548454263287E-12
rpunto1 : = 3032610.3126154
rduepunti0 : = -1.1965916339857E+25
fil : = 488.22929051363
fipunto1 : = 6.8902791790042E+17
fi_gradi : = 27973.477781098
t1 : = 1.0809167765232E-14
tpunto1 : = 1.000473033773
tduepunti0 : = -9.4633438503094E+14
v=v_elettrone : = 4219277.6081957
x0= : -1.2102518129287E-12
y0= : -4.0787218973321E-12
*****
i=31762
k(31762)=0.99994888218666
kQ(31762)=0.99989776698636
r1= : 4.2552010869035E-12
rpunto1 : = 3031207.1803913
rduepunti0 : = -1.1964084730104E+25
fil : = 488.22937132193
fipunto1 : = 6.8891272684608E+17
fi_gradi : = 27973.482411072
t1 : = 1.0809167882566E-14
tpunto1 : = 1.000472922858
tduepunti0 : = -9.4573830356274E+14
v=v_elettrone : = 4218098.0731647
x0= : -1.2100233513793E-12
y0= : -4.0791608317235E-12
*****
i=31763
k(31763)=0.9999489294941
kQ(31763)=0.99989786159639
r1= : 4.2555565829209E-12
rpunto1 : = 3029804.2628278
rduepunti0 : = -1.1962254384174E+25
fil : = 488.22945211671
fipunto1 : = 6.8879761795901E+17
fi_gradi : = 27973.487040272
t1 : = 1.08091679999E-14
tpunto1 : = 1.0004728120129
tduepunti0 : = -9.4514254857987E+14
v=v_elettrone : = 4216918.9503867
x0= : -1.2097948351439E-12
y0= : -4.0795995816801E-12
*****
i=31764
k(31764)=0.9999489767724
kQ(31764)=0.99989795614817
r1= : 4.2559119144059E-12
rpunto1 : = 3028401.5597768
rduepunti0 : = -1.1960425301237E+25
fil : = 488.229532898
fipunto1 : = 6.8868259118134E+17
fi_gradi : = 27973.491668699
t1 : = 1.0809168117234E-14
tpunto1 : = 1.0004727012377
tduepunti0 : = -9.4454711976611E+14
v=v_elettrone : = 4215740.2414086
x0= : -1.2095662642465E-12
y0= : -4.0800381472283E-12
```

```
*****
i=31765
k(31765)=0.99994902402158
kQ(31765)=0.99989805064172
r1= : 4.2562670813837E-12
rpunto1: = 3026999.0710902
rduepunti0 : = -1.1958597480459E+25
fil : = 488.22961366579
fipunto1 : = 6.8856764645528E+17
fi_gradi : = 27973.496296353
t1 : = 1.0809168234568E-14
tpunto1 : = 1.0004725905322
tduepunti0 : = -9.4395201680553E+14
v=v_elettrone : = 4214561.9449155
x0= : -1.2093376387111E-12
y0= : -4.0804765283945E-12
*****
i=31766
k(31766)=0.99994907124167
kQ(31766)=0.99989814507707
r1= : 4.2566220838795E-12
rpunto1: = 3025596.7966201
rduepunti0 : = -1.195677092101E+25
fil : = 488.22969442011
fipunto1 : = 6.8845278372306E+17
fi_gradi : = 27973.500923234
t1 : = 1.0809168351902E-14
tpunto1 : = 1.0004724798965
tduepunti0 : = -9.4335723938257E+14
v=v_elettrone : = 4213384.0610027
x0= : -1.2091089585618E-12
y0= : -4.0809147252051E-12
*****
i=31767
k(31767)=0.99994911843267
kQ(31767)=0.99989823945427
r1= : 4.2569769219183E-12
rpunto1: = 3024194.7362187
rduepunti0 : = -1.1954945622059E+25
fil : = 488.22977516095
fipunto1 : = 6.8833800292702E+17
fi_gradi : = 27973.505549343
t1 : = 1.0809168469236E-14
tpunto1 : = 1.0004723693305
tduepunti0 : = -9.4276278718203E+14
v=v_elettrone : = 4212206.591233
x0= : -1.2088802238227E-12
y0= : -4.0813527376865E-12
*****
i=31768
k(31768)=0.99994916559459
kQ(31768)=0.99989833377332
r1= : 4.2573315955254E-12
rpunto1: = 3022792.8897383
rduepunti0 : = -1.1953121582777E+25
fil : = 488.22985588833
fipunto1 : = 6.8822330400953E+17
fi_gradi : = 27973.510174682
t1 : = 1.0809168586571E-14
tpunto1 : = 1.0004722588342
tduepunti0 : = -9.4216865988901E+14
v=v_elettrone : = 4211029.5328335
x0= : -1.2086514345175E-12
y0= : -4.0817905658649E-12
```

```
*****
i=31769
k(31769)=0.99994921272747
kQ(31769)=0.99989842803428
r1= : 4.2576861047257E-12
rpunto1 : = 3021391.2570311
rduepunti0 : = -1.1951298802335E+25
fil : = 488.22993660226
fipunto1 : = 6.8810868691303E+17
fi_gradi : = 27973.514799249
t1 : = 1.0809168703905E-14
tpunto1 : = 1.0004721484076
tduepunti0 : = -9.4157485718897E+14
v=v_elettrone : = 4209852.8887972
x0= : -1.2084225906704E-12
y0= : -4.0822282097668E-12
*****
i=31770
k(31770)=0.9999492598313
kQ(31770)=0.99989852223716
r1= : 4.2580404495444E-12
rpunto1 : = 3019989.8379497
rduepunti0 : = -1.1949477279907E+25
fil : = 488.23001730275
fipunto1 : = 6.8799415158004E+17
fi_gradi : = 27973.519423047
t1 : = 1.0809168821239E-14
tpunto1 : = 1.0004720380505
tduepunti0 : = -9.4098137876774E+14
v=v_elettrone : = 4208676.6563522
x0= : -1.2081936923052E-12
y0= : -4.0826656694185E-12
*****
i=31771
k(31771)=0.9999493069061
kQ(31771)=0.99989861638199
r1= : 4.2583946300064E-12
rpunto1 : = 3018588.6323467
rduepunti0 : = -1.1947657014664E+25
fil : = 488.2300979898
fipunto1 : = 6.8787969795312E+17
fi_gradi : = 27973.524046074
t1 : = 1.0809168938573E-14
tpunto1 : = 1.000471927763
tduepunti0 : = -9.4038822431144E+14
v=v_elettrone : = 4207500.8370673
x0= : -1.207964739446E-12
y0= : -4.0831029448461E-12
*****
i=31772
k(31772)=0.9999493539519
kQ(31772)=0.99989871046881
r1= : 4.2587486461369E-12
rpunto1 : = 3017187.6400746
rduepunti0 : = -1.1945838005782E+25
fil : = 488.23017866343
fipunto1 : = 6.8776532597491E+17
fi_gradi : = 27973.528668333
t1 : = 1.0809169055907E-14
tpunto1 : = 1.000471817545
tduepunti0 : = -9.3979539350657E+14
v=v_elettrone : = 4206325.4310332
x0= : -1.2077357321166E-12
y0= : -4.0835400360761E-12
```

```
*****
i=31773
k(31773)=0.99994940096869
kQ(31773)=0.99989880449765
r1= : 4.2591024979609E-12
rpunto1:= 3015786.8609863
rduepunti0 := -1.1944020252434E+25
fil := 488.23025932365
fipunto1 := 6.876510355881E+17
fi_gradi := 27973.533289823
t1 := 1.0809169173241E-14
tpunto1 := 1.0004717073965
tduepunti0 := -9.3920288603995E+14
v=v_elettrone := 4205150.4369326
x0= : -1.2075066703408E-12
y0= : -4.0839769431347E-12
*****
i=31774
k(31774)=0.99994944795651
kQ(31774)=0.99989889846853
r1= : 4.2594561855033E-12
rpunto1:= 3014386.2949345
rduepunti0 := -1.1942203753798E+25
fil := 488.23033997047
fipunto1 := 6.8753682673544E+17
fi_gradi := 27973.537910545
t1 := 1.0809169290575E-14
tpunto1 := 1.0004715973175
tduepunti0 := -9.3861070159874E+14
v=v_elettrone := 4203975.854882
x0= : -1.2072775541427E-12
y0= : -4.084413666048E-12
*****
i=31775
k(31775)=0.99994949491536
kQ(31775)=0.99989899238149
r1= : 4.2598097087892E-12
rpunto1:= 3012985.9417723
rduepunti0 := -1.1940388509049E+25
fil := 488.23042060389
fipunto1 := 6.8742269935976E+17
fi_gradi := 27973.5425305
t1 := 1.0809169407909E-14
tpunto1 := 1.0004714873079
tduepunti0 := -9.3801883987046E+14
v=v_elettrone := 4202801.6864185
x0= : -1.2070483835462E-12
y0= : -4.0848502048424E-12
*****
i=31776
k(31776)=0.99994954184526
kQ(31776)=0.99989908623655
r1= : 4.2601630678435E-12
rpunto1:= 3011585.8013527
rduepunti0 := -1.1938574517365E+25
fil := 488.23050122392
fipunto1 := 6.8730865340393E+17
fi_gradi := 27973.547149688
t1 := 1.0809169525243E-14
tpunto1 := 1.0004713773676
tduepunti0 := -9.3742730054293E+14
v=v_elettrone := 4201627.9287926
x0= : -1.206819158575E-12
y0= : -4.085286559544E-12
```

```
*****
i=31777
k(31777)=0.99994958874622
kQ(31777)=0.99989918003374
r1= : 4.2605162626911E-12
rpunto1: = 3010185.8735287
rduepunti0 : = -1.1936761777924E+25
fil : = 488.23058183059
fipunto1 : = 6.8719468881091E+17
fi_gradi : = 27973.551768109
t1 : = 1.0809169642577E-14
tpunto1 : = 1.0004712674967
tduepunti0 : = -9.3683608330434E+14
v=v_elettrone : = 4200454.5849902
x0= : -1.2065898792532E-12
y0= : -4.085722730179E-12
*****
i=31778
k(31778)=0.99994963561827
kQ(31778)=0.9998992737731
r1= : 4.260869293357E-12
rpunto1: = 3008786.1581538
rduepunti0 : = -1.1934950289906E+25
fil : = 488.23066242388
fipunto1 : = 6.8708080552369E+17
fi_gradi : = 27973.556385765
t1 : = 1.0809169759911E-14
tpunto1 : = 1.0004711576951
tduepunti0 : = -9.362451878432E+14
v=v_elettrone : = 4199281.6536702
x0= : -1.2063605456045E-12
y0= : -4.0861587167735E-12
*****
i=31779
k(31779)=0.9999496824614
kQ(31779)=0.99989936745466
r1= : 4.2612221598662E-12
rpunto1: = 3007386.6550811
rduepunti0 : = -1.1933140052491E+25
fil : = 488.23074300382
fipunto1 : = 6.8696700348535E+17
fi_gradi : = 27973.561002655
t1 : = 1.0809169877245E-14
tpunto1 : = 1.0004710479627
tduepunti0 : = -9.3565461384838E+14
v=v_elettrone : = 4198109.1335252
x0= : -1.2061311576525E-12
y0= : -4.0865945193538E-12
*****
i=31780
k(31780)=0.99994972927564
kQ(31780)=0.99989946107843
r1= : 4.2615748622434E-12
rpunto1: = 3005987.3641641
rduepunti0 : = -1.1931331064859E+25
fil : = 488.23082357041
fipunto1 : = 6.8685328263902E+17
fi_gradi : = 27973.565618781
t1 : = 1.0809169994579E-14
tpunto1 : = 1.0004709382996
tduepunti0 : = -9.3506436100905E+14
v=v_elettrone : = 4196937.0260918
x0= : -1.2059017154214E-12
y0= : -4.0870301379459E-12
```

```
*****
i=31781
k(31781)=0.99994977606101
kQ(31781)=0.99989955464446
r1= : 4.2619274005137E-12
rpunto1:= 3004588.2852563
rduepunti0 : = -1.1929523326193E+25
fil : = 488.23090412367
fipunto1 : = 6.8673964292788E+17
fi_gradi : = 27973.570234143
t1 : = 1.0809170111913E-14
tpunto1 : = 1.0004708287057
tduepunti0 : = -9.3447442901475E+14
v=v_elettrone : = 4195765.3300504
x0= : -1.2056722189348E-12
y0= : -4.087465572576E-12
*****
i=31782
k(31782)=0.99994982281751
kQ(31782)=0.99989964815277
r1= : 4.2622797747018E-12
rpunto1:= 3003189.4182114
rduepunti0 : = -1.1927716835675E+25
fil : = 488.2309846636
fipunto1 : = 6.8662608429519E+17
fi_gradi : = 27973.574848741
t1 : = 1.0809170229247E-14
tpunto1 : = 1.0004707191809
tduepunti0 : = -9.3388481755533E+14
v=v_elettrone : = 4194594.046958
x0= : -1.2054426682167E-12
y0= : -4.08790082327E-12
*****
i=31783
k(31783)=0.99994986954517
kQ(31783)=0.9998997416034
r1= : 4.2626319848326E-12
rpunto1:= 3001790.762883
rduepunti0 : = -1.1925911592489E+25
fil : = 488.23106519021
fipunto1 : = 6.8651260668427E+17
fi_gradi : = 27973.579462575
t1 : = 1.080917034658E-14
tpunto1 : = 1.0004706097252
tduepunti0 : = -9.33295526321E+14
v=v_elettrone : = 4193423.1754797
x0= : -1.2052130632906E-12
y0= : -4.0883358900542E-12
*****
i=31784
k(31784)=0.99994991624399
kQ(31784)=0.99989983499636
r1= : 4.2629840309309E-12
rpunto1:= 3000392.319125
rduepunti0 : = -1.1924107595818E+25
fil : = 488.23114570351
fipunto1 : = 6.8639921003849E+17
fi_gradi : = 27973.584075648
t1 : = 1.0809170463914E-14
tpunto1 : = 1.0004705003386
tduepunti0 : = -9.3270655500228E+14
v=v_elettrone : = 4192252.7157222
x0= : -1.2049834041804E-12
y0= : -4.0887707729545E-12
```

```
*****
i=31785
k(31785)=0.99994996291399
kQ(31785)=0.9998999283317
r1= : 4.2633359130216E-12
rpunto1:= 2998994.0867913
rduepunti0 := -1.1922304844849E+25
fil := 488.23122620351
fipunto1 := 6.8628589430129E+17
fi_gradi := 27973.588687958
t1 := 1.0809170581248E-14
tpunto1 := 1.000470391021
tduepunti0 := -9.3211790329004E+14
v=v_elettrone := 4191082.6692424
x0= : -1.2047536909099E-12
y0= : -4.089205471997E-12
*****
i=31786
k(31786)=0.99995000955519
kQ(31786)=0.99990002160943
r1= : 4.2636876311294E-12
rpunto1:= 2997596.0657359
rduepunti0 := -1.1920503338766E+25
fil := 488.23130669022
fipunto1 := 6.8617265941618E+17
fi_gradi := 27973.593299507
t1 := 1.0809170698582E-14
tpunto1 := 1.0004702817725
tduepunti0 := -9.3152957087549E+14
v=v_elettrone := 4189913.0332874
x0= : -1.2045239235027E-12
y0= : -4.0896399872078E-12
*****
i=31787
k(31787)=0.99995005616761
kQ(31787)=0.9999001148296
r1= : 4.2640391852791E-12
rpunto1:= 2996198.2558128
rduepunti0 := -1.1918703076758E+25
fil := 488.23138716366
fipunto1 := 6.860595053267E+17
fi_gradi := 27973.597910295
t1 := 1.0809170815916E-14
tpunto1 := 1.0004701725929
tduepunti0 := -9.3094155745014E+14
v=v_elettrone := 4188743.809391
x0= : -1.2042941019826E-12
y0= : -4.0900743186127E-12
*****
i=31788
k(31788)=0.99995010275125
kQ(31788)=0.99990020799223
r1= : 4.2643905754955E-12
rpunto1:= 2994800.6568764
rduepunti0 := -1.1916904058011E+25
fil := 488.23146762382
fipunto1 := 6.859464319765E+17
fi_gradi := 27973.602520323
t1 := 1.080917093325E-14
tpunto1 := 1.0004700634822
tduepunti0 := -9.3035386270586E+14
v=v_elettrone := 4187574.9976711
x0= : -1.2040642263733E-12
y0= : -4.0905084662379E-12
```

```
*****
i=31789
k(31789)=0.99995014930613
kQ(31789)=0.99990030109734
r1= : 4.2647418018033E-12
rpunto1:= 2993403.2687807
rduepunti0 := -1.1915106281715E+25
fil := 488.23154807072
fipunto1 := 6.8583343930924E+17
fi_gradi := 27973.607129591
t1 := 1.0809171050584E-14
tpunto1 := 1.0004699544404
tduepunti0 := -9.2976648633487E+14
v=v_elettrone := 4186406.5968009
x0= : -1.2038342966984E-12
y0= : -4.0909424301092E-12
*****
i=31790
k(31790)=0.99995019583226
kQ(31790)=0.99990039414498
r1= : 4.2650928642273E-12
rpunto1:= 2992006.0913803
rduepunti0 := -1.1913309747058E+25
fil := 488.23162850437
fipunto1 := 6.8572052726869E+17
fi_gradi := 27973.611738099
t1 := 1.0809171167917E-14
tpunto1 := 1.0004698454674
tduepunti0 := -9.2917942802967E+14
v=v_elettrone := 4185238.6083318
x0= : -1.2036043129818E-12
y0= : -4.0913762102525E-12
*****
i=31791
k(31791)=0.99995024232967
kQ(31791)=0.99990048713516
r1= : 4.2654437627921E-12
rpunto1:= 2990609.1245297
rduepunti0 := -1.1911514453231E+25
fil := 488.23170892478
fipunto1 := 6.8560769579863E+17
fi_gradi := 27973.616345849
t1 := 1.0809171285251E-14
tpunto1 := 1.0004697365633
tduepunti0 := -9.2859268748313E+14
v=v_elettrone := 4184071.0309416
x0= : -1.203374275247E-12
y0= : -4.0918098066939E-12
*****
i=31792
k(31792)=0.99995028879836
kQ(31792)=0.99990058006791
r1= : 4.2657944975225E-12
rpunto1:= 2989212.3680833
rduepunti0 := -1.1909720399425E+25
fil := 488.23178933195
fipunto1 := 6.8549494484294E+17
fi_gradi := 27973.620952841
t1 := 1.0809171402585E-14
tpunto1 := 1.0004696277279
tduepunti0 := -9.2800626438845E+14
v=v_elettrone := 4182903.8661752
x0= : -1.2031441835177E-12
y0= : -4.0922432194592E-12
```



```
*****
i=31793
k(31793)=0.99995033523834
kQ(31793)=0.99990067294328
r1= : 4.2661450684431E-12
rpunto1: = 2987815.8218958
rduepunti0 : = -1.1907927584832E+25
fil : = 488.2318697259
fipunto1 : = 6.8538227434556E+17
fi_gradi : = 27973.625559075
t1 : = 1.0809171519919E-14
tpunto1 : = 1.0004695189613
tduepunti0 : = -9.2742015843915E+14
v=v_elettrone : = 4181737.11127
x0= : -1.2029140378175E-12
y0= : -4.0926764485743E-12
*****
i=31794
k(31794)=0.99995038164965
kQ(31794)=0.99990076576128
r1= : 4.2664954755787E-12
rpunto1: = 2986419.4858221
rduepunti0 : = -1.1906136008645E+25
fil : = 488.23195010664
fipunto1 : = 6.8526968425046E+17
fi_gradi : = 27973.630164552
t1 : = 1.0809171637252E-14
tpunto1 : = 1.0004694102634
tduepunti0 : = -9.2683436932907E+14
v=v_elettrone : = 4180570.7692214
x0= : -1.2026838381701E-12
y0= : -4.0931094940651E-12
*****
i=31795
k(31795)=0.99995042803228
kQ(31795)=0.99990085852194
r1= : 4.2668457189537E-12
rpunto1: = 2985023.359717
rduepunti0 : = -1.1904345670057E+25
fil : = 488.23203047417
fipunto1 : = 6.851571745017E+17
fi_gradi : = 27973.634769273
t1 : = 1.0809171754586E-14
tpunto1 : = 1.0004693016341
tduepunti0 : = -9.262488967524E+14
v=v_elettrone : = 4179404.837248
x0= : -1.2024535845991E-12
y0= : -4.0935423559575E-12
*****
i=31796
k(31796)=0.99995047438626
kQ(31796)=0.9999009512253
r1= : 4.2671957985929E-12
rpunto1: = 2983627.4434353
rduepunti0 : = -1.1902556568263E+25
fil : = 488.23211082851
fipunto1 : = 6.8504474504339E+17
fi_gradi : = 27973.639373237
t1 : = 1.080917187192E-14
tpunto1 : = 1.0004691930735
tduepunti0 : = -9.2566374040365E+14
v=v_elettrone : = 4178239.316925
x0= : -1.2022232771281E-12
y0= : -4.0939750342772E-12
```

```
*****
i=31797
k(31797)=0.99995052071159
kQ(31797)=0.99990104387138
r1= : 4.2675457145208E-12
rpunto1: = 2982231.7368323
rduepunti0 : = -1.1900768702458E+25
fil : = 488.23219116966
fipunto1 : = 6.849323958197E+17
fi_gradi : = 27973.643976446
t1 : = 1.0809171989254E-14
tpunto1 : = 1.0004690845814
tduepunti0 : = -9.2507889997765E+14
v=v_elettrone : = 4177074.2083463
x0= : -1.2019929157807E-12
y0= : -4.09440752905E-12
*****
i=31798
k(31798)=0.9999505670083
kQ(31798)=0.99990113646021
r1= : 4.2678954667621E-12
rpunto1: = 2980836.2397629
rduepunti0 : = -1.1898982071838E+25
fil : = 488.23227149764
fipunto1 : = 6.8482012677486E+17
fi_gradi : = 27973.6485789
t1 : = 1.0809172106587E-14
tpunto1 : = 1.0004689761579
tduepunti0 : = -9.2449437516958E+14
v=v_elettrone : = 4175909.510191
x0= : -1.2017625005805E-12
y0= : -4.0948398403019E-12
*****
i=31799
k(31799)=0.99995061327639
kQ(31799)=0.99990122899183
r1= : 4.2682450553414E-12
rpunto1: = 2979440.9520825
rduepunti0 : = -1.18971966756E+25
fil : = 488.23235181245
fipunto1 : = 6.8470793785317E+17
fi_gradi : = 27973.6531806
t1 : = 1.0809172223921E-14
tpunto1 : = 1.000468867803
tduepunti0 : = -9.2391016567493E+14
v=v_elettrone : = 4174745.2240046
x0= : -1.2015320315511E-12
y0= : -4.0952719680585E-12
*****
i=31800
k(31800)=0.99995065951588
kQ(31800)=0.99990132146625
r1= : 4.2685944802831E-12
rpunto1: = 2978045.8736463
rduepunti0 : = -1.1895412512942E+25
fil : = 488.2324321141
fipunto1 : = 6.8459582899898E+17
fi_gradi : = 27973.657781546
t1 : = 1.0809172341255E-14
tpunto1 : = 1.0004687595165
tduepunti0 : = -9.2332627118952E+14
v=v_elettrone : = 4173581.3484735
x0= : -1.2013015087159E-12
y0= : -4.0957039123456E-12
```

```
*****
i=31801
k(31801)=0.9999507057268
kQ(31801)=0.99990141388352
r1= : 4.2689437416118E-12
rpunto1: = 2976651.0043098
rduepunti0 : = -1.1893629583062E+25
fil : = 488.23251240261
fipunto1 : = 6.844838001567E+17
fi_gradi : = 27973.662381738
t1 : = 1.0809172458588E-14
tpunto1 : = 1.0004686512984
tduepunti0 : = -9.2274269140951E+14
v=v_elettrone : = 4172417.8851531
x0= : -1.2010709320986E-12
y0= : -4.096135673189E-12
*****
i=31802
k(31802)=0.99995075190914
kQ(31802)=0.99990150624365
r1= : 4.2692928393521E-12
rpunto1: = 2975256.3439286
rduepunti0 : = -1.189184788516E+25
fil : = 488.23259267797
fipunto1 : = 6.8437185127081E+17
fi_gradi : = 27973.666981178
t1 : = 1.0809172575922E-14
tpunto1 : = 1.0004685431488
tduepunti0 : = -9.2215942603135E+14
v=v_elettrone : = 4171254.8312545
x0= : -1.2008403017224E-12
y0= : -4.0965672506144E-12
*****
i=31803
k(31803)=0.99995079806292
kQ(31803)=0.99990159854668
r1= : 4.2696417735285E-12
rpunto1: = 2973861.8923581
rduepunti0 : = -1.1890067418437E+25
fil : = 488.23267294021
fipunto1 : = 6.8425998228584E+17
fi_gradi : = 27973.671579865
t1 : = 1.0809172693256E-14
tpunto1 : = 1.0004684350675
tduepunti0 : = -9.2157647475187E+14
v=v_elettrone : = 4170092.1883461
x0= : -1.2006096176112E-12
y0= : -4.0969986446474E-12
*****
i=31804
k(31804)=0.99995084418817
kQ(31804)=0.99990169079263
r1= : 4.2699905441654E-12
rpunto1: = 2972467.6494542
rduepunti0 : = -1.1888288182093E+25
fil : = 488.23275318933
fipunto1 : = 6.8414819314639E+17
fi_gradi : = 27973.676177801
t1 : = 1.0809172810589E-14
tpunto1 : = 1.0004683270545
tduepunti0 : = -9.2099383726817E+14
v=v_elettrone : = 4168929.9579833
x0= : -1.2003788797884E-12
y0= : -4.0974298553139E-12
```

```
*****
i=31805
k(31805)=0.99995089028489
kQ(31805)=0.99990178298155
r1= : 4.2703391512873E-12
rpunto1 : = 2971073.6150725
rduepunti0 : = -1.188651017533E+25
fil : = 488.23283342533
fipunto1 : = 6.8403648379711E+17
fi_gradi : = 27973.680774985
t1 : = 1.0809172927923E-14
tpunto1 : = 1.0004682191099
tduepunti0 : = -9.2041151327773E+14
v=v_elettrone : = 4167768.1359349
x0= : -1.2001480882773E-12
y0= : -4.0978608826394E-12
*****
i=31806
k(31806)=0.9999509363531
kQ(31806)=0.99990187511344
r1= : 4.2706875949186E-12
rpunto1 : = 2969679.7890691
rduepunti0 : = -1.1884733397351E+25
fil : = 488.23291364824
fipunto1 : = 6.8392485418271E+17
fi_gradi : = 27973.685371419
t1 : = 1.0809173045257E-14
tpunto1 : = 1.0004681112335
tduepunti0 : = -9.198295024783E+14
v=v_elettrone : = 4166606.7266703
x0= : -1.1999172431017E-12
y0= : -4.0982917266495E-12
*****
i=31807
k(31807)=0.99995098239281
kQ(31807)=0.99990196718835
r1= : 4.2710358750839E-12
rpunto1 : = 2968286.1712998
rduepunti0 : = -1.188295784736E+25
fil : = 488.23299385805
fipunto1 : = 6.8381330424797E+17
fi_gradi : = 27973.689967103
t1 : = 1.080917316259E-14
tpunto1 : = 1.0004680034253
tduepunti0 : = -9.1924780456799E+14
v=v_elettrone : = 4165445.7273975
x0= : -1.1996863442847E-12
y0= : -4.0987223873701E-12
*****
i=31808
k(31808)=0.99995102840404
kQ(31808)=0.9999020592063
r1= : 4.2713839918075E-12
rpunto1 : = 2966892.7616208
rduepunti0 : = -1.188118352456E+25
fil : = 488.23307405478
fipunto1 : = 6.8370183393773E+17
fi_gradi : = 27973.694562037
t1 : = 1.0809173279924E-14
tpunto1 : = 1.0004678956853
tduepunti0 : = -9.1866641924523E+14
v=v_elettrone : = 4164285.1382316
x0= : -1.19945539185E-12
y0= : -4.0991528648265E-12
```

```
*****
i=31809
k(31809)=0.99995107438681
kQ(31809)=0.99990215116733
r1= : 4.2717319451138E-12
rpunto1:= 2965499.5598883
rduepunti0 := -1.1879410428158E+25
fil := 488.23315423844
fipunto1 := 6.8359044319687E+17
fi_gradi := 27973.699156222
t1 := 1.0809173397257E-14
tpunto1 := 1.0004677880134
tduepunti0 := -9.1808534620876E+14
v=v_elettrone := 4163124.9607446
x0= : -1.199224385821E-12
y0= : -4.0995831590445E-12
*****
i=31810
k(31810)=0.99995112034111
kQ(31810)=0.99990224307145
r1= : 4.2720797350273E-12
rpunto1:= 2964106.5659584
rduepunti0 := -1.1877638557359E+25
fil := 488.23323440903
fipunto1 := 6.8347913197035E+17
fi_gradi := 27973.703749659
t1 := 1.0809173514591E-14
tpunto1 := 1.0004676804097
tduepunti0 := -9.1750458515765E+14
v=v_elettrone := 4161965.1935781
x0= : -1.198993326221E-12
y0= : -4.1000132700497E-12
*****
i=31811
k(31811)=0.99995116626698
kQ(31811)=0.9999023349187
r1= : 4.2724273615723E-12
rpunto1:= 2962713.7796876
rduepunti0 := -1.1875867911371E+25
fil := 488.23331456657
fipunto1 := 6.8336790020319E+17
fi_gradi := 27973.708342348
t1 := 1.0809173631924E-14
tpunto1 := 1.000467572874
tduepunti0 := -9.169241357913E+14
v=v_elettrone := 4160805.836879
x0= : -1.1987622130735E-12
y0= : -4.1004431978675E-12
*****
i=31812
k(31812)=0.99995121216443
kQ(31812)=0.99990242670911
r1= : 4.2727748247731E-12
rpunto1:= 2961321.2009323
rduepunti0 := -1.18740984894E+25
fil := 488.23339471107
fipunto1 := 6.8325674784046E+17
fi_gradi := 27973.712934289
t1 := 1.0809173749258E-14
tpunto1 := 1.0004674654064
tduepunti0 := -9.1634399780941E+14
v=v_elettrone := 4159646.8907304
x0= : -1.1985310464018E-12
y0= : -4.1008729425236E-12
```

```
*****
i=31813
k(31813)=0.99995125803346
kQ(31813)=0.9999025184427
r1= : 4.273122124654E-12
rpunto1: = 2959928.829549
rduepunti0 : = -1.1872330290655E+25
fil : = 488.23347484252
fipunto1 : = 6.8314567482728E+17
fi_gradi : = 27973.717525483
t1 : = 1.0809173866591E-14
tpunto1 : = 1.0004673580068
tduepunti0 : = -9.1576417091203E+14
v=v_elettrone : = 4158488.3552596
x0= : -1.1982998262294E-12
y0= : -4.1013025040434E-12
*****
i=31814
k(31814)=0.9999513038741
kQ(31814)=0.99990261011951
r1= : 4.2734692612395E-12
rpunto1: = 2958536.6653943
rduepunti0 : = -1.1870563314347E+25
fil : = 488.23355496096
fipunto1 : = 6.8303468110886E+17
fi_gradi : = 27973.722115931
t1 : = 1.0809173983925E-14
tpunto1 : = 1.0004672506751
tduepunti0 : = -9.1518465479951E+14
v=v_elettrone : = 4157330.2291411
x0= : -1.1980685525795E-12
y0= : -4.1017318824526E-12
*****
i=31815
k(31815)=0.99995134968635
kQ(31815)=0.99990270173956
r1= : 4.2738162345538E-12
rpunto1: = 2957144.7083251
rduepunti0 : = -1.1868797559684E+25
fil : = 488.23363506637
fipunto1 : = 6.8292376663043E+17
fi_gradi : = 27973.726705634
t1 : = 1.0809174101258E-14
tpunto1 : = 1.0004671434114
tduepunti0 : = -9.1460544917253E+14
v=v_elettrone : = 4156172.5139204
x0= : -1.1978372254757E-12
y0= : -4.102161077764E-12
*****
i=31816
k(31816)=0.99995139547024
kQ(31816)=0.99990279330289
r1= : 4.2741630446212E-12
rpunto1: = 2955752.9581981
rduepunti0 : = -1.1867033025878E+25
fil : = 488.23371515878
fipunto1 : = 6.8281293133733E+17
fi_gradi : = 27973.73129459
t1 : = 1.0809174218592E-14
tpunto1 : = 1.0004670362155
tduepunti0 : = -9.1402655373208E+14
v=v_elettrone : = 4155015.2097288
x0= : -1.1976058449411E-12
y0= : -4.1025900900405E-12
```

```
*****
i=31817
k(31817)=0.99995144122578
kQ(31817)=0.99990288480951
r1= : 4.2745096914659E-12
rpunto1: = 2954361.4148703
rduepunti0 : = -1.1865269712141E+25
fil : = 488.23379523819
fipunto1 : = 6.827021751749E+17
fi_gradi : = 27973.735882803
t1 : = 1.0809174335925E-14
tpunto1 : = 1.0004669290876
tduepunti0 : = -9.1344796817948E+14
v=v_elettrone : = 4153858.3137569
x0= : -1.1973744109991E-12
y0= : -4.1030189192703E-12
*****
i=31818
k(31818)=0.99995148695298
kQ(31818)=0.99990297625947
r1= : 4.2748561751123E-12
rpunto1: = 2952970.0781985
rduepunti0 : = -1.1863507617685E+25
fil : = 488.23387530461
fipunto1 : = 6.8259149808859E+17
fi_gradi : = 27973.74047027
t1 : = 1.0809174453259E-14
tpunto1 : = 1.0004668220274
tduepunti0 : = -9.1286969221637E+14
v=v_elettrone : = 4152701.8305002
x0= : -1.1971429236733E-12
y0= : -4.1034475654911E-12
*****
i=31819
k(31819)=0.99995153265185
kQ(31819)=0.99990306765278
r1= : 4.2752024955845E-12
rpunto1: = 2951578.94804
rduepunti0 : = -1.1861746741724E+25
fil : = 488.23395535804
fipunto1 : = 6.8248090002387E+17
fi_gradi : = 27973.745056995
t1 : = 1.0809174570592E-14
tpunto1 : = 1.000466715035
tduepunti0 : = -9.122917255447E+14
v=v_elettrone : = 4151545.7557041
x0= : -1.1969113829865E-12
y0= : -4.1038760287286E-12
*****
i=31820
k(31820)=0.99995157832241
kQ(31820)=0.99990315898948
r1= : 4.2755486529068E-12
rpunto1: = 2950188.0242519
rduepunti0 : = -1.1859987083472E+25
fil : = 488.23403539851
fipunto1 : = 6.823703809263E+17
fi_gradi : = 27973.749642976
t1 : = 1.0809174687926E-14
tpunto1 : = 1.0004666081104
tduepunti0 : = -9.1171406786674E+14
v=v_elettrone : = 4150390.0909247
x0= : -1.1966797889624E-12
y0= : -4.1043043090079E-12
```

```
*****
i=31821
k(31821)=0.99995162396468
kQ(31821)=0.99990325026959
r1= : 4.2758946471034E-12
rpunto1 : = 2948797.3066916
rduepunti0 : = -1.1858228642144E+25
fil : = 488.23411542602
fipunto1 : = 6.8225994074149E+17
fi_gradi : = 27973.754228214
t1 : = 1.0809174805259E-14
tpunto1 : = 1.0004665012534
tduepunti0 : = -9.1113671888509E+14
v=v_elettrone : = 4149234.8377514
x0= : -1.1964481416241E-12
y0= : -4.1047324063546E-12
*****
i=31822
k(31822)=0.99995166957866
kQ(31822)=0.99990334149315
r1= : 4.2762404781984E-12
rpunto1 : = 2947406.7952163
rduepunti0 : = -1.1856471416955E+25
fil : = 488.23419544057
fipunto1 : = 6.8214957941509E+17
fi_gradi : = 27973.75881271
t1 : = 1.0809174922593E-14
tpunto1 : = 1.0004663944642
tduepunti0 : = -9.1055967830266E+14
v=v_elettrone : = 4148079.9933844
x0= : -1.1962164409948E-12
y0= : -4.105160320794E-12
*****
i=31823
k(31823)=0.99995171516438
kQ(31823)=0.99990343266018
r1= : 4.2765861462161E-12
rpunto1 : = 2946016.4896835
rduepunti0 : = -1.1854715407124E+25
fil : = 488.23427544219
fipunto1 : = 6.8203929689283E+17
fi_gradi : = 27973.763396465
t1 : = 1.0809175039926E-14
tpunto1 : = 1.0004662877426
tduepunti0 : = -9.0998294582267E+14
v=v_elettrone : = 4146925.5579274
x0= : -1.1959846870978E-12
y0= : -4.1055880523514E-12
*****
i=31824
k(31824)=0.99995176072184
kQ(31824)=0.99990352377071
r1= : 4.2769316511805E-12
rpunto1 : = 2944626.3899508
rduepunti0 : = -1.1852960611866E+25
fil : = 488.23435543086
fipunto1 : = 6.8192909312049E+17
fi_gradi : = 27973.767979479
t1 : = 1.0809175157259E-14
tpunto1 : = 1.0004661810886
tduepunti0 : = -9.0940652114866E+14
v=v_elettrone : = 4145771.5344102
x0= : -1.1957528799565E-12
y0= : -4.1060156010521E-12
```



```
*****
i=31825
k(31825)=0.99995180625107
kQ(31825)=0.99990361482477
r1= : 4.2772769931159E-12
rpunto1:= 2943236.4958759
rduepunti0 := -1.1851207030401E+25
fil := 488.23443540662
fipunto1 := 6.8181896804391E+17
fi_gradi := 27973.772561752
t1 := 1.0809175274593E-14
tpunto1 := 1.0004660745021
tduepunti0 := -9.0883040398449E+14
v=v_elettrone := 4144617.9200501
x0= : -1.1955210195939E-12
y0= : -4.1064429669215E-12
*****
i=31826
k(31826)=0.99995185175207
kQ(31826)=0.99990370582239
r1= : 4.2776221720463E-12
rpunto1:= 2941846.8073164
rduepunti0 := -1.1849454661947E+25
fil := 488.23451536945
fipunto1 := 6.81708921609E+17
fi_gradi := 27973.777143285
t1 := 1.0809175391926E-14
tpunto1 := 1.0004659679832
tduepunti0 := -9.0825459403433E+14
v=v_elettrone := 4143464.7149473
x0= : -1.1952891060333E-12
y0= : -4.1068701499848E-12
*****
i=31827
k(31827)=0.99995189722486
kQ(31827)=0.99990379676359
r1= : 4.2779671879958E-12
rpunto1:= 2940457.3241303
rduepunti0 := -1.1847703505725E+25
fil := 488.23459531939
fipunto1 := 6.815989537617E+17
fi_gradi := 27973.781724079
t1 := 1.0809175509259E-14
tpunto1 := 1.0004658615318
tduepunti0 := -9.0767909100268E+14
v=v_elettrone := 4142311.9192217
x0= : -1.195057139298E-12
y0= : -4.1072971502674E-12
*****
i=31828
k(31828)=0.99995194266945
kQ(31828)=0.99990388764841
r1= : 4.2783120409886E-12
rpunto1:= 2939068.0461754
rduepunti0 := -1.1845953560954E+25
fil := 488.23467525642
fipunto1 := 6.8148906444804E+17
fi_gradi := 27973.786304133
t1 := 1.0809175626593E-14
tpunto1 := 1.0004657551478
tduepunti0 := -9.0710389459434E+14
v=v_elettrone := 4141159.5344422
x0= : -1.1948251194111E-12
y0= : -4.1077239677945E-12
```

```
*****
i=31829
k(31829)=0.99995198808586
kQ(31829)=0.99990397847687
r1= : 4.2786567310487E-12
rpunto1: = 2937678.9733098
rduepunti0 : = -1.1844204826858E+25
fil : = 488.23475518057
fipunto1 : = 6.8137925361409E+17
fi_gradi : = 27973.79088345
t1 : = 1.0809175743926E-14
tpunto1 : = 1.0004656488313
tduepunti0 : = -9.0652900451443E+14
v=v_elettrone : = 4140007.5578188
x0= : -1.1945930463957E-12
y0= : -4.1081506025913E-12
*****
i=31830
k(31830)=0.9999520334741
kQ(31830)=0.999904069249
r1= : 4.2790012582001E-12
rpunto1: = 2936290.1053915
rduepunti0 : = -1.1842457302657E+25
fil : = 488.23483509184
fipunto1 : = 6.8126952120598E+17
fi_gradi : = 27973.795462028
t1 : = 1.0809175861259E-14
tpunto1 : = 1.0004655425822
tduepunti0 : = -9.0595442046838E+14
v=v_elettrone : = 4138855.9923689
x0= : -1.1943609202752E-12
y0= : -4.108577054683E-12
*****
i=31831
k(31831)=0.99995207883419
kQ(31831)=0.99990415996482
r1= : 4.2793456224669E-12
rpunto1: = 2934901.4422787
rduepunti0 : = -1.1840710987575E+25
fil : = 488.23491499023
fipunto1 : = 6.8115986716991E+17
fi_gradi : = 27973.800039869
t1 : = 1.0809175978593E-14
tpunto1 : = 1.0004654364004
tduepunti0 : = -9.0538014216193E+14
v=v_elettrone : = 4137704.8353153
x0= : -1.1941287410725E-12
y0= : -4.1090033240949E-12
*****
i=31832
k(31832)=0.99995212416614
kQ(31832)=0.99990425062438
r1= : 4.2796898238731E-12
rpunto1: = 2933512.9838298
rduepunti0 : = -1.1838965880837E+25
fil : = 488.23499487577
fipunto1 : = 6.8105029145211E+17
fi_gradi : = 27973.804616973
t1 : = 1.0809176095926E-14
tpunto1 : = 1.0004653302859
tduepunti0 : = -9.0480616930115E+14
v=v_elettrone : = 4136554.0881977
x0= : -1.1938965088108E-12
y0= : -4.1094294108521E-12
```

```
*****
i=31833
k(31833)=0.99995216946997
kQ(31833)=0.99990434122769
r1= : 4.2800338624427E-12
rpunto1: = 2932124.7299031
rduepunti0 : = -1.1837221981666E+25
fil : = 488.23507474846
fipunto1 : = 6.8094079399891E+17
fi_gradi : = 27973.809193341
t1 : = 1.0809176213259E-14
tpunto1 : = 1.0004652242387
tduepunti0 : = -9.0423250159241E+14
v=v_elettrone : = 4135403.7511605
x0= : -1.1936642235133E-12
y0= : -4.1098553149797E-12
*****
i=31834
k(31834)=0.99995221474568
kQ(31834)=0.99990443177478
r1= : 4.2803777381997E-12
rpunto1: = 2930736.6803571
rduepunti0 : = -1.1835479289288E+25
fil : = 488.23515460831
fipunto1 : = 6.8083137475666E+17
fi_gradi : = 27973.813768973
t1 : = 1.0809176330592E-14
tpunto1 : = 1.0004651182587
tduepunti0 : = -9.0365913874239E+14
v=v_elettrone : = 4134253.8228546
x0= : -1.193431885203E-12
y0= : -4.1102810365031E-12
*****
i=31835
k(31835)=0.99995225999329
kQ(31835)=0.99990452226569
r1= : 4.2807214511681E-12
rpunto1: = 2929348.8350504
rduepunti0 : = -1.183373780293E+25
fil : = 488.23523445532
fipunto1 : = 6.8072203367179E+17
fi_gradi : = 27973.81834387
t1 : = 1.0809176447926E-14
tpunto1 : = 1.000465012346
tduepunti0 : = -9.0308608045809E+14
v=v_elettrone : = 4133104.3048409
x0= : -1.193199493903E-12
y0= : -4.1107065754473E-12
*****
i=31836
k(31836)=0.99995230521282
kQ(31836)=0.99990461270044
r1= : 4.2810650013718E-12
rpunto1: = 2927961.1938415
rduepunti0 : = -1.1831997521819E+25
fil : = 488.23531428951
fipunto1 : = 6.8061277069078E+17
fi_gradi : = 27973.822918032
t1 : = 1.0809176565259E-14
tpunto1 : = 1.0004649065004
tduepunti0 : = -9.0251332644681E+14
v=v_elettrone : = 4131955.1943327
x0= : -1.1929670496363E-12
y0= : -4.1111319318373E-12
```

```
*****
i=31837
k(31837)=0.99995235040428
kQ(31837)=0.99990470307905
r1= : 4.2814083888347E-12
rpunto1: = 2926573.7565893
rduepunti0 : = -1.1830258445183E+25
fil : = 488.23539411089
fipunto1 : = 6.8050358576016E+17
fi_gradi : = 27973.82749146
t1 : = 1.0809176682592E-14
tpunto1 : = 1.0004648007219
tduepunti0 : = -9.0194087641618E+14
v=v_elettrone : = 4130806.4943528
x0= : -1.1927345524263E-12
y0= : -4.1115571056984E-12
*****
i=31838
k(31838)=0.99995239556769
kQ(31838)=0.99990479340156
r1= : 4.2817516135808E-12
rpunto1: = 2925186.5231525
rduepunti0 : = -1.182852057225E+25
fil : = 488.23547391946
fipunto1 : = 6.8039447882653E+17
fi_gradi : = 27973.832064155
t1 : = 1.0809176799925E-14
tpunto1 : = 1.0004646950106
tduepunti0 : = -9.0136873007412E+14
v=v_elettrone : = 4129658.2035646
x0= : -1.1925020022958E-12
y0= : -4.1119820970555E-12
*****
i=31839
k(31839)=0.99995244070305
kQ(31839)=0.99990488366799
r1= : 4.282094675634E-12
rpunto1: = 2923799.4933902
rduepunti0 : = -1.182678390225E+25
fil : = 488.23555371524
fipunto1 : = 6.8028544983656E+17
fi_gradi : = 27973.836636116
t1 : = 1.0809176917258E-14
tpunto1 : = 1.0004645893663
tduepunti0 : = -9.0079688712888E+14
v=v_elettrone : = 4128510.3220798
x0= : -1.1922693992679E-12
y0= : -4.1124069059337E-12
*****
i=31840
k(31840)=0.99995248581039
kQ(31840)=0.99990497387838
r1= : 4.2824375750182E-12
rpunto1: = 2922412.6671612
rduepunti0 : = -1.1825048434414E+25
fil : = 488.23563349823
fipunto1 : = 6.8017649873694E+17
fi_gradi : = 27973.841207344
t1 : = 1.0809177034592E-14
tpunto1 : = 1.000464483789
tduepunti0 : = -9.00225347289E+14
v=v_elettrone : = 4127362.8485657
x0= : -1.1920367433656E-12
y0= : -4.1128315323582E-12
```

```
*****
i=31841
k(31841)=0.99995253088971
kQ(31841)=0.99990506403274
r1= : 4.2827803117571E-12
rpunto1 : = 2921026.0443247
rduepunti0 : = -1.1823314167971E+25
fil : = 488.23571326844
fipunto1 : = 6.8006762547444E+17
fi_gradi : = 27973.845777841
t1 : = 1.0809177151925E-14
tpunto1 : = 1.0004643782788
tduepunti0 : = -8.9965411026334E+14
v=v_elettrone : = 4126215.786041
x0= : -1.1918040346121E-12
y0= : -4.1132559763538E-12
*****
i=31842
k(31842)=0.99995257594104
kQ(31842)=0.99990515413112
r1= : 4.2831228858748E-12
rpunto1 : = 2919639.6247399
rduepunti0 : = -1.1821581102156E+25
fil : = 488.23579302588
fipunto1 : = 6.799588299959E+17
fi_gradi : = 27973.850347606
t1 : = 1.0809177269258E-14
tpunto1 : = 1.0004642728355
tduepunti0 : = -8.9908317576107E+14
v=v_elettrone : = 4125069.1317197
x0= : -1.1915712730301E-12
y0= : -4.1136802379456E-12
*****
i=31843
k(31843)=0.99995262096438
kQ(31843)=0.99990524417353
r1= : 4.283465297395E-12
rpunto1 : = 2918253.4082661
rduepunti0 : = -1.1819849236199E+25
fil : = 488.23587277056
fipunto1 : = 6.798501122482E+17
fi_gradi : = 27973.854916639
t1 : = 1.0809177386591E-14
tpunto1 : = 1.0004641674591
tduepunti0 : = -8.9851254349167E+14
v=v_elettrone : = 4123922.8856969
x0= : -1.1913384586427E-12
y0= : -4.1141043171587E-12
*****
i=31844
k(31844)=0.99995266595975
kQ(31844)=0.99990533416
r1= : 4.2838075463415E-12
rpunto1 : = 2916867.3947627
rduepunti0 : = -1.1818118569335E+25
fil : = 488.23595250249
fipunto1 : = 6.7974147217827E+17
fi_gradi : = 27973.859484943
t1 : = 1.0809177503924E-14
tpunto1 : = 1.0004640621496
tduepunti0 : = -8.9794221316491E+14
v=v_elettrone : = 4122777.049568
x0= : -1.191105591473E-12
y0= : -4.1145282140179E-12
```

```
*****
i=31845
k(31845)=0.99995271092716
kQ(31845)=0.99990542409057
r1= : 4.2841496327382E-12
rpunto1:= 2915481.5840891
rduepunti0 := -1.1816389100797E+25
fil := 488.23603222169
fipunto1 := 6.7963290973312E+17
fi_gradi := 27973.864052516
t1 := 1.0809177621257E-14
tpunto1 := 1.000463956907
tduepunti0 := -8.9737218449089E+14
v=v_elettrone := 4121631.6219776
x0= : -1.1908726715439E-12
y0= : -4.1149519285482E-12
*****
i=31846
k(31846)=0.99995275586662
kQ(31846)=0.99990551396525
r1= : 4.2844915566088E-12
rpunto1:= 2914095.9761048
rduepunti0 := -1.1814660829822E+25
fil := 488.23611192815
fipunto1 := 6.795244248598E+17
fi_gradi := 27973.86861936
t1 := 1.080917773859E-14
tpunto1 := 1.0004638517312
tduepunti0 := -8.9680245718E+14
v=v_elettrone := 4120486.6030479
x0= : -1.1906396988784E-12
y0= : -4.1153754607746E-12
*****
i=31847
k(31847)=0.99995280077816
kQ(31847)=0.99990560378409
r1= : 4.2848333179772E-12
rpunto1:= 2912710.5706695
rduepunti0 := -1.1812933755644E+25
fil := 488.23619162188
fipunto1 := 6.7941601750543E+17
fi_gradi := 27973.873185474
t1 := 1.0809177855924E-14
tpunto1 := 1.0004637466221
tduepunti0 := -8.9623303094296E+14
v=v_elettrone := 4119341.9928851
x0= : -1.1904066734994E-12
y0= : -4.115798810722E-12
*****
i=31848
k(31848)=0.99995284566178
kQ(31848)=0.99990569354709
r1= : 4.2851749168669E-12
rpunto1:= 2911325.367643
rduepunti0 := -1.1811207877501E+25
fil := 488.23627130291
fipunto1 := 6.7930768761717E+17
fi_gradi := 27973.877750861
t1 := 1.0809177973257E-14
tpunto1 := 1.0004636415798
tduepunti0 := -8.9566390549078E+14
v=v_elettrone := 4118197.7930848
x0= : -1.19017359543E-12
y0= : -4.1162219784152E-12
```

```
*****
i=31849
k(31849)=0.9999528905175
kQ(31849)=0.99990578325431
r1= : 4.2855163533019E-12
rpunto1: = 2909940.366885
rduepunti0 : = -1.180948319463E+25
fil : = 488.23635097122
fipunto1 : = 6.7919943514224E+17
fi_gradi : = 27973.882315519
t1 : = 1.080917809059E-14
tpunto1 : = 1.0004635366042
tduepunti0 : = -8.9509508053477E+14
v=v_elettrone : = 4117054.000827
x0= : -1.1899404646927E-12
y0= : -4.1166449638793E-12
*****
i=31850
k(31850)=0.99995293534533
kQ(31850)=0.99990587290575
r1= : 4.2858576273058E-12
rpunto1: = 2908555.5682554
rduepunti0 : = -1.1807759706269E+25
fil : = 488.23643062685
fipunto1 : = 6.7909126002794E+17
fi_gradi : = 27973.88687945
t1 : = 1.0809178207923E-14
tpunto1 : = 1.0004634316953
tduepunti0 : = -8.9452655578655E+14
v=v_elettrone : = 4115910.6162274
x0= : -1.1897072813106E-12
y0= : -4.117067767139E-12
*****
i=31851
k(31851)=0.99995298014529
kQ(31851)=0.99990596250145
r1= : 4.2861987389023E-12
rpunto1: = 2907170.9716144
rduepunti0 : = -1.1806037411656E+25
fil : = 488.23651026978
fipunto1 : = 6.789831622216E+17
fi_gradi : = 27973.891442654
t1 : = 1.0809178325256E-14
tpunto1 : = 1.0004633268531
tduepunti0 : = -8.9395833095805E+14
v=v_elettrone : = 4114767.6423286
x0= : -1.1894740453069E-12
y0= : -4.1174903882191E-12
*****
i=31852
k(31852)=0.99995302491739
kQ(31852)=0.99990605204144
r1= : 4.2865396881152E-12
rpunto1: = 2905786.5768219
rduepunti0 : = -1.1804316310033E+25
fil : = 488.23658990004
fipunto1 : = 6.7887514167062E+17
fi_gradi : = 27973.896005132
t1 : = 1.0809178442589E-14
tpunto1 : = 1.0004632220774
tduepunti0 : = -8.9339040576151E+14
v=v_elettrone : = 4113625.0763337
x0= : -1.1892407567041E-12
y0= : -4.1179128271446E-12
```

```
*****
i=31853
k(31853)=0.99995306966164
kQ(31853)=0.99990614152574
r1= : 4.286880474968E-12
rpunto1: = 2904402.3837381
rduepunti0 : = -1.180259640064E+25
fil : = 488.23666951763
fipunto1 : = 6.7876719832246E+17
fi_gradi : = 27973.900566884
t1 : = 1.0809178559922E-14
tpunto1 : = 1.0004631173683
tduepunti0 : = -8.9282277990947E+14
v=v_elettrone : = 4112482.9183375
x0= : -1.1890074155251E-12
y0= : -4.1183350839402E-12
*****
i=31854
k(31854)=0.99995311437806
kQ(31854)=0.99990623095438
r1= : 4.2872210994845E-12
rpunto1: = 2903018.3922233
rduepunti0 : = -1.1800877682717E+25
fil : = 488.23674912256
fipunto1 : = 6.7865933212461E+17
fi_gradi : = 27973.90512791
t1 : = 1.0809178677255E-14
tpunto1 : = 1.0004630127258
tduepunti0 : = -8.9225545311475E+14
v=v_elettrone : = 4111341.1684742
x0= : -1.188774021793E-12
y0= : -4.1187571586308E-12
*****
i=31855
k(31855)=0.99995315906666
kQ(31855)=0.99990632032739
r1= : 4.2875615616882E-12
rpunto1: = 2901634.6021378
rduepunti0 : = -1.1799160155508E+25
fil : = 488.23682871484
fipunto1 : = 6.7855154302465E+17
fi_gradi : = 27973.909688212
t1 : = 1.0809178794588E-14
tpunto1 : = 1.0004629081497
tduepunti0 : = -8.9168842509052E+14
v=v_elettrone : = 4110199.8283227
x0= : -1.1885405755306E-12
y0= : -4.119179051241E-12
*****
i=31856
k(31856)=0.99995320372746
kQ(31856)=0.9999064096448
r1= : 4.2879018616029E-12
rpunto1: = 2900251.0133422
rduepunti0 : = -1.1797443818254E+25
fil : = 488.23690829448
fipunto1 : = 6.7844383097021E+17
fi_gradi : = 27973.914247789
t1 : = 1.0809178911921E-14
tpunto1 : = 1.0004628036401
tduepunti0 : = -8.9112169555021E+14
v=v_elettrone : = 4109058.8965208
x0= : -1.1883070767605E-12
y0= : -4.1196007617957E-12
```



```
*****
i=31857
k(31857)=0.99995324836046
kQ(31857)=0.99990649890664
r1= : 4.2882419992521E-12
rpunto1: = 2898867.6256968
rduepunti0 : = -1.17957286702E+25
fil : = 488.23698786148
fipunto1 : = 6.7833619590895E+17
fi_gradi : = 27973.918806643
t1 : = 1.0809179029254E-14
tpunto1 : = 1.000462699197
tduepunti0 : = -8.9055526420757E+14
v=v_elettrone : = 4107918.3717376
x0= : -1.1880735255056E-12
y0= : -4.1200222903196E-12
*****
i=31858
k(31858)=0.99995329296569
kQ(31858)=0.99990658811293
r1= : 4.2885819746594E-12
rpunto1: = 2897484.4390624
rduepunti0 : = -1.179401471059E+25
fil : = 488.23706741587
fipunto1 : = 6.7822863778862E+17
fi_gradi : = 27973.923364773
t1 : = 1.0809179146587E-14
tpunto1 : = 1.0004625948202
tduepunti0 : = -8.8998913077667E+14
v=v_elettrone : = 4106778.2570125
x0= : -1.187839921789E-12
y0= : -4.1204436368374E-12
*****
i=31859
k(31859)=0.99995333754315
kQ(31859)=0.99990667726369
r1= : 4.2889217878483E-12
rpunto1: = 2896101.4532997
rduepunti0 : = -1.179230193867E+25
fil : = 488.23714695763
fipunto1 : = 6.7812115655701E+17
fi_gradi : = 27973.927922181
t1 : = 1.080917926392E-14
tpunto1 : = 1.0004624905098
tduepunti0 : = -8.8942329497184E+14
v=v_elettrone : = 4105638.5495353
x0= : -1.1876062656331E-12
y0= : -4.1208648013739E-12
*****
i=31860
k(31860)=0.99995338209287
kQ(31860)=0.99990676635896
r1= : 4.2892614388425E-12
rpunto1: = 2894718.6682694
rduepunti0 : = -1.1790590353685E+25
fil : = 488.2372264868
fipunto1 : = 6.7801375216196E+17
fi_gradi : = 27973.932478866
t1 : = 1.0809179381253E-14
tpunto1 : = 1.0004623862657
tduepunti0 : = -8.8885775650775E+14
v=v_elettrone : = 4104499.250891
x0= : -1.187372557061E-12
y0= : -4.1212857839537E-12
```

```
*****
i=31861
k(31861)=0.99995342661485
kQ(31861)=0.99990685539877
r1= : 4.2896009276655E-12
rpunto1: = 2893336.0838325
rduepunti0 : = -1.1788879954882E+25
fil : = 488.23730600336
fipunto1 : = 6.7790642455139E+17
fi_gradi : = 27973.93703483
t1 : = 1.0809179498586E-14
tpunto1 : = 1.0004622820879
tduepunti0 : = -8.8829251509935E+14
v=v_elettrone : = 4103360.361191
x0= : -1.1871387960952E-12
y0= : -4.1217065846015E-12
*****
i=31862
k(31862)=0.9999534711091
kQ(31862)=0.99990694438314
r1= : 4.2899402543408E-12
rpunto1: = 2891953.6998498
rduepunti0 : = -1.178717074151E+25
fil : = 488.23738550734
fipunto1 : = 6.7779917367324E+17
fi_gradi : = 27973.941590073
t1 : = 1.0809179615918E-14
tpunto1 : = 1.0004621779764
tduepunti0 : = -8.8772757046190E+14
v=v_elettrone : = 4102221.8790749
x0= : -1.1869049827584E-12
y0= : -4.122127203342E-12
*****
i=31863
k(31863)=0.99995351557565
kQ(31863)=0.9999070333121
r1= : 4.2902794188919E-12
rpunto1: = 2890571.5161825
rduepunti0 : = -1.1785462712815E+25
fil : = 488.23746499875
fipunto1 : = 6.7769199947554E+17
fi_gradi : = 27973.946144594
t1 : = 1.0809179733251E-14
tpunto1 : = 1.0004620739311
tduepunti0 : = -8.8716292231096E+14
v=v_elettrone : = 4101083.8046925
x0= : -1.1866711170736E-12
y0= : -4.1225476401998E-12
*****
i=31864
k(31864)=0.9999535600145
kQ(31864)=0.99990712218568
r1= : 4.2906184213423E-12
rpunto1: = 2889189.5326918
rduepunti0 : = -1.1783755868048E+25
fil : = 488.23754447758
fipunto1 : = 6.7758490190636E+17
fi_gradi : = 27973.950698396
t1 : = 1.0809179850584E-14
tpunto1 : = 1.000461969952
tduepunti0 : = -8.8659857036238E+14
v=v_elettrone : = 4099946.138132
x0= : -1.1864371990634E-12
y0= : -4.1229678951995E-12
```

```
*****
i=31865
k(31865)=0.99995360442568
kQ(31865)=0.9999072110039
r1= : 4.2909572617155E-12
rpunto1: = 2887807.7492388
rduepunti0 : = -1.1782050206458E+25
fil : = 488.23762394385
fipunto1 : = 6.7747788091382E+17
fi_gradi : = 27973.955251478
t1 : = 1.0809179967917E-14
tpunto1 : = 1.000461866039
tduepunti0 : = -8.8603451433232E+14
v=v_elettrone : = 4098808.8809845
x0= : -1.1862032287507E-12
y0= : -4.1233879683657E-12
*****
i=31866
k(31866)=0.99995364880918
kQ(31866)=0.99990729976679
r1= : 4.2912959400349E-12
rpunto1: = 2886426.1656849
rduepunti0 : = -1.1780345727297E+25
fil : = 488.23770339757
fipunto1 : = 6.7737093644611E+17
fi_gradi : = 27973.959803841
t1 : = 1.080918008525E-14
tpunto1 : = 1.0004617621922
tduepunti0 : = -8.8547075393723E+14
v=v_elettrone : = 4097672.0304423
x0= : -1.1859692061579E-12
y0= : -4.1238078597231E-12
*****
i=31867
k(31867)=0.99995369316503
kQ(31867)=0.99990738847439
r1= : 4.291634456324E-12
rpunto1: = 2885044.7818915
rduepunti0 : = -1.1778642429815E+25
fil : = 488.23778283875
fipunto1 : = 6.7726406845147E+17
fi_gradi : = 27973.964355485
t1 : = 1.0809180202583E-14
tpunto1 : = 1.0004616584114
tduepunti0 : = -8.8490728889386E+14
v=v_elettrone : = 4096535.5895546
x0= : -1.1857351313079E-12
y0= : -4.1242275692961E-12
*****
i=31868
k(31868)=0.99995373749324
kQ(31868)=0.99990747712671
r1= : 4.2919728106062E-12
rpunto1: = 2883663.5977202
rduepunti0 : = -1.1776940313264E+25
fil : = 488.23786226739
fipunto1 : = 6.771572768782E+17
fi_gradi : = 27973.968906411
t1 : = 1.0809180319916E-14
tpunto1 : = 1.0004615546967
tduepunti0 : = -8.8434411891928E+14
v=v_elettrone : = 4095399.5554922
x0= : -1.1855010042233E-12
y0= : -4.1246470971094E-12
```

```

*****
i=31869
k(31869)=0.99995378179383
kQ(31869)=0.99990756572378
r1= : 4.292311002905E-12
rpunto1: = 2882282.6130324
rduepunti0 : = -1.1775239376898E+25
fil : = 488.23794168351
fipunto1 : = 6.7705056167464E+17
fi_gradi : = 27973.97345662
t1 : = 1.0809180437249E-14
tpunto1 : = 1.000461451048
tduepunti0 : = -8.8378124373081E+14
v=v_elettrone : = 4094263.9298488
x0= : -1.1852668249268E-12
y0= : -4.1250664431874E-12
*****
i=31870
k(31870)=0.9999538260668
kQ(31870)=0.99990765426563
r1= : 4.2926490332436E-12
rpunto1: = 2880901.8276898
rduepunti0 : = -1.1773539619971E+25
fil : = 488.23802108712
fipunto1 : = 6.769439227892E+17
fi_gradi : = 27973.978006111
t1 : = 1.0809180554581E-14
tpunto1 : = 1.0004613474652
tduepunti0 : = -8.8321866304612E+14
v=v_elettrone : = 4093128.7112848
x0= : -1.185032593441E-12
y0= : -4.1254856075548E-12
*****
i=31871
k(31871)=0.99995387031217
kQ(31871)=0.99990774275229
r1= : 4.2929869016456E-12
rpunto1: = 2879521.2415544
rduepunti0 : = -1.1771841041737E+25
fil : = 488.23810047822
fipunto1 : = 6.7683736017034E+17
fi_gradi : = 27973.982554886
t1 : = 1.0809180671914E-14
tpunto1 : = 1.0004612439484
tduepunti0 : = -8.8265637658315E+14
v=v_elettrone : = 4091993.9013575
x0= : -1.1847983097888E-12
y0= : -4.1259045902359E-12
*****
i=31872
k(31872)=0.99995391452996
kQ(31872)=0.99990783118379
r1= : 4.2933246081342E-12
rpunto1: = 2878140.8544878
rduepunti0 : = -1.1770143641451E+25
fil : = 488.23817985682
fipunto1 : = 6.7673087376657E+17
fi_gradi : = 27973.987102945
t1 : = 1.0809180789247E-14
tpunto1 : = 1.0004611404976
tduepunti0 : = -8.8209438406013E+14
v=v_elettrone : = 4090859.4987496
x0= : -1.1845639739925E-12
y0= : -4.1263233912552E-12

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*****
i=31873
k(31873)=0.99995395872017
kQ(31873)=0.99990791956015
r1= : 4.2936621527329E-12
rpunto1: = 2876760.666352
rduepunti0 : = -1.1768447418369E+25
fil : = 488.23825922293
fipunto1 : = 6.7662446352648E+17
fi_gradi : = 27973.991650288
t1 : = 1.080918090658E-14
tpunto1 : = 1.0004610371126
tduepunti0 : = -8.815326851956E+14
v=v_elettrone : = 4089725.5050312
x0= : -1.1843295860749E-12
y0= : -4.1267420106373E-12
*****
i=31874
k(31874)=0.99995400288283
kQ(31874)=0.9999080078814
r1= : 4.2939995354649E-12
rpunto1: = 2875380.6770091
rduepunti0 : = -1.1766752371749E+25
fil : = 488.23833857656
fipunto1 : = 6.7651812939869E+17
fi_gradi : = 27973.996196916
t1 : = 1.0809181023912E-14
tpunto1 : = 1.0004609337934
tduepunti0 : = -8.8097127970839E+14
v=v_elettrone : = 4088591.9173748
x0= : -1.1840951460585E-12
y0= : -4.1271604484066E-12
*****
i=31875
k(31875)=0.99995404701794
kQ(31875)=0.99990809614756
r1= : 4.2943367563535E-12
rpunto1: = 2874000.8863211
rduepunti0 : = -1.1765058500847E+25
fil : = 488.23841791773
fipunto1 : = 6.7641187133187E+17
fi_gradi : = 27974.00074283
t1 : = 1.0809181141245E-14
tpunto1 : = 1.00046083054
tduepunti0 : = -8.8041016731763E+14
v=v_elettrone : = 4087458.7388534
x0= : -1.183860653966E-12
y0= : -4.1275787045874E-12
*****
i=31876
k(31876)=0.99995409112552
kQ(31876)=0.99990818435867
r1= : 4.2946738154221E-12
rpunto1: = 2872621.2941503
rduepunti0 : = -1.1763365804923E+25
fil : = 488.23849724643
fipunto1 : = 6.7630568927478E+17
fi_gradi : = 27974.00528803
t1 : = 1.0809181258578E-14
tpunto1 : = 1.0004607273525
tduepunti0 : = -8.7984934774274E+14
v=v_elettrone : = 4086325.9681019
x0= : -1.18362610982E-12
y0= : -4.1279967792043E-12
```

```
*****
i=31877
k(31877)=0.99995413520559
kQ(31877)=0.99990827251476
r1= : 4.2950107126939E-12
rpunto1: = 2871241.900359
rduepunti0 : = -1.1761674283235E+25
fil : = 488.23857656267
fipunto1 : = 6.7619958317619E+17
fi_gradi : = 27974.009832516
t1 : = 1.0809181375911E-14
tpunto1 : = 1.0004606242306
tduepunti0 : = -8.7928882070343E+14
v=v_elettrone : = 4085193.6037814
x0= : -1.1833915136428E-12
y0= : -4.1284146722816E-12
*****
i=31878
k(31878)=0.99995417925815
kQ(31878)=0.99990836061583
r1= : 4.2953474481922E-12
rpunto1: = 2869862.7048095
rduepunti0 : = -1.1759983935043E+25
fil : = 488.23865586648
fipunto1 : = 6.7609355298496E+17
fi_gradi : = 27974.014376289
t1 : = 1.0809181493243E-14
tpunto1 : = 1.0004605211745
tduepunti0 : = -8.7872858591971E+14
v=v_elettrone : = 4084061.6474656
x0= : -1.1831568654572E-12
y0= : -4.1288323838437E-12
*****
i=31879
k(31879)=0.99995422328322
kQ(31879)=0.99990844866194
r1= : 4.2956840219403E-12
rpunto1: = 2868483.7073643
rduepunti0 : = -1.1758294759608E+25
fil : = 488.23873515785
fipunto1 : = 6.7598759864999E+17
fi_gradi : = 27974.01891935
t1 : = 1.0809181610576E-14
tpunto1 : = 1.000460418184
tduepunti0 : = -8.781686431119E+14
v=v_elettrone : = 4082930.0992817
x0= : -1.1829221652858E-12
y0= : -4.129249913915E-12
*****
i=31880
k(31880)=0.99995426728081
kQ(31880)=0.99990853665309
r1= : 4.2960204339613E-12
rpunto1: = 2867104.9078859
rduepunti0 : = -1.1756606756191E+25
fil : = 488.23881443679
fipunto1 : = 6.7588172012024E+17
fi_gradi : = 27974.023461699
t1 : = 1.0809181727909E-14
tpunto1 : = 1.0004603152592
tduepunti0 : = -8.7760899200058E+14
v=v_elettrone : = 4081798.9578718
x0= : -1.182687413151E-12
y0= : -4.1296672625197E-12
```

```
*****
i=31881
k(31881)=0.99995431125093
kQ(31881)=0.99990862458933
r1= : 4.2963566842786E-12
rpunto1: = 2865726.306237
rduepunti0 : = -1.1754919924055E+25
fil : = 488.23889370331
fipunto1 : = 6.7577591734471E+17
fi_gradi : = 27974.028003336
t1 : = 1.0809181845241E-14
tpunto1 : = 1.0004602123999
tduepunti0 : = -8.7704963230664E+14
v=v_elettrone : = 4080668.2248374
x0= : -1.1824526090754E-12
y0= : -4.1300844296823E-12
*****
i=31882
k(31882)=0.99995435519361
kQ(31882)=0.99990871247067
r1= : 4.2966927729152E-12
rpunto1: = 2864347.9022803
rduepunti0 : = -1.1753234262462E+25
fil : = 488.23897295743
fipunto1 : = 6.7567019027249E+17
fi_gradi : = 27974.032544263
t1 : = 1.0809181962574E-14
tpunto1 : = 1.0004601096063
tduepunti0 : = -8.7649056375126E+14
v=v_elettrone : = 4079537.8988102
x0= : -1.1822177530814E-12
y0= : -4.130501415427E-12
*****
i=31883
k(31883)=0.99995439910885
kQ(31883)=0.99990880029715
r1= : 4.2970286998944E-12
rpunto1: = 2862969.6958786
rduepunti0 : = -1.1751549770676E+25
fil : = 488.23905219915
fipunto1 : = 6.7556453885268E+17
fi_gradi : = 27974.037084479
t1 : = 1.0809182079907E-14
tpunto1 : = 1.0004600068781
tduepunti0 : = -8.7593178605593E+14
v=v_elettrone : = 4078407.9799175
x0= : -1.1819828451915E-12
y0= : -4.1309182197781E-12
*****
i=31884
k(31884)=0.99995444299667
kQ(31884)=0.99990888806878
r1= : 4.2973644652394E-12
rpunto1: = 2861591.6868947
rduepunti0 : = -1.1749866447961E+25
fil : = 488.23913142847
fipunto1 : = 6.7545896303446E+17
fi_gradi : = 27974.041623985
t1 : = 1.0809182197239E-14
tpunto1 : = 1.0004599042155
tduepunti0 : = -8.753732989424E+14
v=v_elettrone : = 4077278.4682692
x0= : -1.1817478854283E-12
y0= : -4.1313348427599E-12
```

```
*****
i=31885
k(31885)=0.99995448685708
kQ(31885)=0.9999089757856
r1= : 4.2977000689733E-12
rpunto1 : = 2860213.8751917
rduepunti0 : = -1.1748184293583E+25
fil : = 488.23921064542
fipunto1 : = 6.7535346276707E+17
fi_gradi : = 27974.046162781
t1 : = 1.0809182314572E-14
tpunto1 : = 1.0004598016183
tduepunti0 : = -8.7481510213274E+14
v=v_elettrone : = 4076149.3639941
x0= : -1.1815128738143E-12
y0= : -4.1317512843967E-12
*****
i=31886
k(31886)=0.99995453069009
kQ(31886)=0.99990906344764
r1= : 4.2980355111192E-12
rpunto1 : = 2858836.2606327
rduepunti0 : = -1.1746503306808E+25
fil : = 488.23928984999
fipunto1 : = 6.7524803799979E+17
fi_gradi : = 27974.050700869
t1 : = 1.0809182431905E-14
tpunto1 : = 1.0004596990866
tduepunti0 : = -8.7425719534928E+14
v=v_elettrone : = 4075020.6672104
x0= : -1.1812778103719E-12
y0= : -4.1321675447126E-12
*****
i=31887
k(31887)=0.99995457449572
kQ(31887)=0.99990915105491
r1= : 4.2983707917003E-12
rpunto1 : = 2857458.8430807
rduepunti0 : = -1.1744823486902E+25
fil : = 488.2393690422
fipunto1 : = 6.7514268868195E+17
fi_gradi : = 27974.055238248
t1 : = 1.0809182549237E-14
tpunto1 : = 1.0004595966202
tduepunti0 : = -8.7369957831467E+14
v=v_elettrone : = 4073892.3780357
x0= : -1.1810426951235E-12
y0= : -4.1325836237319E-12
*****
i=31888
k(31888)=0.99995461827398
kQ(31888)=0.99990923860746
r1= : 4.2987059107397E-12
rpunto1 : = 2856081.6223991
rduepunti0 : = -1.1743144833132E+25
fil : = 488.23944822205
fipunto1 : = 6.7503741476296E+17
fi_gradi : = 27974.05977492
t1 : = 1.080918266657E-14
tpunto1 : = 1.0004594942193
tduepunti0 : = -8.7314225075184E+14
v=v_elettrone : = 4072764.4951
x0= : -1.1808075280916E-12
y0= : -4.1329995214789E-12
```



```
*****
i=31889
k(31889)=0.99995466202488
kQ(31889)=0.99990932610529
r1= : 4.2990408682604E-12
rpunto1:= 2854704.5984511
rduepunti0 := -1.1741467344768E+25
fil := 488.23952738956
fipunto1 := 6.7493221619225E+17
fi_gradi := 27974.064310884
t1 := 1.0809182783902E-14
tpunto1 := 1.0004593918836
tduepunti0 := -8.72585212384E+14
v=v_elettrone := 4071637.0200182
x0= : -1.1805723092987E-12
y0= : -4.1334152379776E-12
*****
i=31890
k(31890)=0.99995470574844
kQ(31890)=0.99990941354845
r1= : 4.2993756642856E-12
rpunto1:= 2853327.7711002
rduepunti0 := -1.1739791021078E+25
fil := 488.23960654472
fipunto1 := 6.7482709291934E+17
fi_gradi := 27974.068846141
t1 := 1.0809182901235E-14
tpunto1 := 1.0004592896132
tduepunti0 := -8.7202846293467E+14
v=v_elettrone := 4070509.9529089
x0= : -1.1803370387671E-12
y0= : -4.1338307732523E-12
*****
i=31891
k(31891)=0.99995474944467
kQ(31891)=0.99990950093696
r1= : 4.2997102988382E-12
rpunto1:= 2851951.1402098
rduepunti0 := -1.1738115861331E+25
fil := 488.23968568756
fipunto1 := 6.7472204489377E+17
fi_gradi := 27974.073380691
t1 := 1.0809183018568E-14
tpunto1 := 1.0004591874082
tduepunti0 := -8.7147200212763E+14
v=v_elettrone := 4069383.2923908
x0= : -1.180101716519E-12
y0= : -4.1342461273272E-12
*****
i=31892
k(31892)=0.99995479311359
kQ(31892)=0.99990958827084
r1= : 4.3000447719414E-12
rpunto1:= 2850574.7056435
rduepunti0 := -1.1736441864798E+25
fil := 488.23976481808
fipunto1 := 6.7461707206516E+17
fi_gradi := 27974.077914536
t1 := 1.08091831359E-14
tpunto1 := 1.0004590852683
tduepunti0 := -8.7091582968697E+14
v=v_elettrone := 4068257.0386058
x0= : -1.1798663425771E-12
y0= : -4.1346613002263E-12
```

```
*****
i=31893
k(31893)=0.9999548367552
kQ(31893)=0.99990967555012
r1= : 4.3003790836181E-12
rpunto1: = 2849198.467265
rduepunti0 : = -1.173476903075E+25
fil : = 488.23984393629
fipunto1 : = 6.7451217438318E+17
fi_gradi : = 27974.082447676
t1 : = 1.0809183253233E-14
tpunto1 : = 1.0004589831936
tduepunti0 : = -8.7035994533707E+14
v=v_elettrone : = 4067131.1916629
x0= : -1.1796309169636E-12
y0= : -4.1350762919738E-12
*****
i=31894
k(31894)=0.99995488036952
kQ(31894)=0.99990976277483
r1= : 4.3007132338914E-12
rpunto1: = 2847822.4249381
rduepunti0 : = -1.173309735846E+25
fil : = 488.2399230422
fipunto1 : = 6.7440735179753E+17
fi_gradi : = 27974.08698011
t1 : = 1.0809183370565E-14
tpunto1 : = 1.0004588811841
tduepunti0 : = -8.6980434880258E+14
v=v_elettrone : = 4066005.751693
x0= : -1.179395439701E-12
y0= : -4.1354911025938E-12
*****
i=31895
k(31895)=0.99995492395657
kQ(31895)=0.99990984994499
r1= : 4.3010472227842E-12
rpunto1: = 2846446.5785266
rduepunti0 : = -1.17314268472E+25
fil : = 488.24000213581
fipunto1 : = 6.74302604258E+17
fi_gradi : = 27974.09151184
t1 : = 1.0809183487898E-14
tpunto1 : = 1.0004587792397
tduepunti0 : = -8.6924903980846E+14
v=v_elettrone : = 4064880.7202872
x0= : -1.1791599108116E-12
y0= : -4.1359057321103E-12
*****
i=31896
k(31896)=0.99995496751635
kQ(31896)=0.99990993706063
r1= : 4.3013810503196E-12
rpunto1: = 2845070.9278943
rduepunti0 : = -1.1729757496243E+25
fil : = 488.24008121714
fipunto1 : = 6.741979317144E+17
fi_gradi : = 27974.096042867
t1 : = 1.080918360523E-14
tpunto1 : = 1.0004586773604
tduepunti0 : = -8.6869401807993E+14
v=v_elettrone : = 4063756.0945989
x0= : -1.1789243303176E-12
y0= : -4.1363201805476E-12
```

```

*****
i=31897
k(31897)=0.99995501104889
kQ(31897)=0.99991002412178
r1= : 4.3017147165204E-12
rpunto1: = 2843695.4729053
rduepunti0 : = -1.1728089304863E+25
fil : = 488.24016028619
fipunto1 : = 6.7409333411662E+17
fi_gradi : = 27974.10057319
t1 : = 1.0809183722563E-14
tpunto1 : = 1.0004585755462
tduepunti0 : = -8.6813928334252E+14
v=v_elettrone : = 4062631.8762401
x0= : -1.1786886982414E-12
y0= : -4.1367344479295E-12
*****
i=31898
k(31898)=0.99995505455419
kQ(31898)=0.99991011112847
r1= : 4.3020482214097E-12
rpunto1: = 2842320.2134238
rduepunti0 : = -1.1726422272336E+25
fil : = 488.24023934298
fipunto1 : = 6.7398881141458E+17
fi_gradi : = 27974.10510281
t1 : = 1.0809183839895E-14
tpunto1 : = 1.0004584737969
tduepunti0 : = -8.6758483532204E+14
v=v_elettrone : = 4061508.0638413
x0= : -1.1784530146053E-12
y0= : -4.1371485342801E-12
*****
i=31899
k(31899)=0.99995509803226
kQ(31899)=0.99991019808071
r1= : 4.3023815650104E-12
rpunto1: = 2840945.1493138
rduepunti0 : = -1.1724756397937E+25
fil : = 488.24031838751
fipunto1 : = 6.7388436355829E+17
fi_gradi : = 27974.109631728
t1 : = 1.0809183957228E-14
tpunto1 : = 1.0004583721127
tduepunti0 : = -8.6703067374457E+14
v=v_elettrone : = 4060384.6590031
x0= : -1.1782172794318E-12
y0= : -4.1375624396235E-12
*****
i=31900
k(31900)=0.99995514148313
kQ(31900)=0.99991028497855
r1= : 4.3027147473453E-12
rpunto1: = 2839570.2804397
rduepunti0 : = -1.1723091680943E+25
fil : = 488.24039741978
fipunto1 : = 6.7377999049777E+17
fi_gradi : = 27974.114159944
t1 : = 1.080918407456E-14
tpunto1 : = 1.0004582704934
tduepunti0 : = -8.664767983365E+14
v=v_elettrone : = 4059261.6603757
x0= : -1.1779814927431E-12
y0= : -4.1379761639836E-12

```

```
*****
i=31901
k(31901)=0.9999551849068
kQ(31901)=0.99991037182199
r1= : 4.3030477684375E-12
rpunto1: = 2838195.6066657
rduepunti0 : = -1.1721428120631E+25
fil : = 488.24047643982
fipunto1 : = 6.7367569218312E+17
fi_gradi : = 27974.118687458
t1 : = 1.0809184191893E-14
tpunto1 : = 1.0004581689391
tduepunti0 : = -8.659232088245E+14
v=v_elettrone : = 4058139.0695516
x0= : -1.1777456545614E-12
y0= : -4.1383897073844E-12
*****
i=31902
k(31902)=0.99995522830329
kQ(31902)=0.99991045861108
r1= : 4.3033806283096E-12
rpunto1: = 2836821.1278563
rduepunti0 : = -1.1719765716278E+25
fil : = 488.24055544762
fipunto1 : = 6.7357146856449E+17
fi_gradi : = 27974.123214272
t1 : = 1.0809184309225E-14
tpunto1 : = 1.0004580674497
tduepunti0 : = -8.653699049355E+14
v=v_elettrone : = 4057016.8851664
x0= : -1.1775097649089E-12
y0= : -4.1388030698499E-12
*****
i=31903
k(31903)=0.9999552716726
kQ(31903)=0.99991054534583
r1= : 4.3037133269847E-12
rpunto1: = 2835446.8438761
rduepunti0 : = -1.1718104467163E+25
fil : = 488.24063444321
fipunto1 : = 6.7346731959208E+17
fi_gradi : = 27974.127740385
t1 : = 1.0809184426557E-14
tpunto1 : = 1.0004579660251
tduepunti0 : = -8.6481688639674E+14
v=v_elettrone : = 4055895.1073438
x0= : -1.177273823808E-12
y0= : -4.139216251404E-12
*****
i=31904
k(31904)=0.99995531501476
kQ(31904)=0.99991063202628
r1= : 4.3040458644856E-12
rpunto1: = 2834072.7545896
rduepunti0 : = -1.1716444372566E+25
fil : = 488.24071342657
fipunto1 : = 6.7336324521614E+17
fi_gradi : = 27974.132265799
t1 : = 1.080918454389E-14
tpunto1 : = 1.0004578646653
tduepunti0 : = -8.6426415293574E+14
v=v_elettrone : = 4054773.7362066
x0= : -1.1770378312809E-12
y0= : -4.1396292520707E-12
```

```
*****
i=31905
k(31905)=0.99995535832978
kQ(31905)=0.99991071865244
r1= : 4.304378240835E-12
rpunto1: = 2832698.8598615
rduepunti0 : = -1.1714785431767E+25
fil : = 488.24079239774
fipunto1 : = 6.7325924538697E+17
fi_gradi : = 27974.136790513
t1 : = 1.0809184661222E-14
tpunto1 : = 1.0004577633703
tduepunti0 : = -8.637117042803E+14
v=v_elettrone : = 4053652.7718785
x0= : -1.1768017873498E-12
y0= : -4.1400420718739E-12
*****
i=31906
k(31906)=0.99995540161767
kQ(31906)=0.99991080522435
r1= : 4.3047104560559E-12
rpunto1: = 2831325.1595566
rduepunti0 : = -1.1713127644047E+25
fil : = 488.2408713567
fipunto1 : = 6.7315532005495E+17
fi_gradi : = 27974.141314529
t1 : = 1.0809184778555E-14
tpunto1 : = 1.0004576621401
tduepunti0 : = -8.631595401585E+14
v=v_elettrone : = 4052532.2144648
x0= : -1.1765656920369E-12
y0= : -4.1404547108374E-12
*****
i=31907
k(31907)=0.99995544487844
kQ(31907)=0.99991089174204
r1= : 4.305042510171E-12
rpunto1: = 2829951.6535397
rduepunti0 : = -1.1711471008687E+25
fil : = 488.24095030348
fipunto1 : = 6.7305146917048E+17
fi_gradi : = 27974.145837846
t1 : = 1.0809184895887E-14
tpunto1 : = 1.0004575609746
tduepunti0 : = -8.626076602987E+14
v=v_elettrone : = 4051412.0626163
x0= : -1.1763295453643E-12
y0= : -4.1408671689853E-12
*****
i=31908
k(31908)=0.9999554881121
kQ(31908)=0.99991097820552
r1= : 4.3053744032032E-12
rpunto1: = 2828578.3416758
rduepunti0 : = -1.170981552497E+25
fil : = 488.24102923807
fipunto1 : = 6.7294769268402E+17
fi_gradi : = 27974.150360465
t1 : = 1.0809185013219E-14
tpunto1 : = 1.0004574598738
tduepunti0 : = -8.6205606442956E+14
v=v_elettrone : = 4050292.3179178
x0= : -1.1760933473546E-12
y0= : -4.1412794463412E-12
```

```
*****
i=31909
k(31909)=0.99995553131868
kQ(31909)=0.99991106461482
r1= : 4.3057061351751E-12
rpunto1: = 2827205.2238298
rduepunti0 : = -1.1708161192178E+25
fil : = 488.2411081605
fipunto1 : = 6.728439905461E+17
fi_gradi : = 27974.154882387
t1 : = 1.0809185130552E-14
tpunto1 : = 1.0004573588376
tduepunti0 : = -8.6150475227999E+14
v=v_elettrone : = 4049172.9805362
x0= : -1.1758570980296E-12
y0= : -4.1416915429291E-12
*****
i=31910
k(31910)=0.99995557449818
kQ(31910)=0.99991115096998
r1= : 4.3060377061095E-12
rpunto1: = 2825832.299867
rduepunti0 : = -1.1706508009596E+25
fil : = 488.24118707076
fipunto1 : = 6.7274036270729E+17
fi_gradi : = 27974.159403612
t1 : = 1.0809185247884E-14
tpunto1 : = 1.0004572578661
tduepunti0 : = -8.6095372357922E+14
v=v_elettrone : = 4048054.0490512
x0= : -1.1756207974115E-12
y0= : -4.1421034587728E-12
*****
i=31911
k(31911)=0.99995561765061
kQ(31911)=0.99991123727101
r1= : 4.3063691160292E-12
rpunto1: = 2824459.5696524
rduepunti0 : = -1.1704855976507E+25
fil : = 488.24126596887
fipunto1 : = 6.7263680911821E+17
fi_gradi : = 27974.163924141
t1 : = 1.0809185365216E-14
tpunto1 : = 1.0004571569592
tduepunti0 : = -8.6040297805674E+14
v=v_elettrone : = 4046935.5236207
x0= : -1.1753844455226E-12
y0= : -4.1425151938961E-12
*****
i=31912
k(31912)=0.99995566077599
kQ(31912)=0.99991132351795
r1= : 4.3067003649569E-12
rpunto1: = 2823087.0330514
rduepunti0 : = -1.1703205092198E+25
fil : = 488.24134485484
fipunto1 : = 6.7253332972954E+17
fi_gradi : = 27974.168443974
t1 : = 1.0809185482549E-14
tpunto1 : = 1.0004570561168
tduepunti0 : = -8.5985251544231E+14
v=v_elettrone : = 4045817.4043438
x0= : -1.1751480423849E-12
y0= : -4.1429267483228E-12
```

```
*****
i=31913
k(31913)=0.99995570387433
kQ(31913)=0.99991140971081
r1= : 4.3070314529153E-12
rpunto1: = 2821714.6899293
rduepunti0 : = -1.1701555355955E+25
fil : = 488.24142372867
fipunto1 : = 6.7242992449202E+17
fi_gradi : = 27974.172963111
t1 : = 1.0809185599881E-14
tpunto1 : = 1.0004569553389
tduepunti0 : = -8.59302335466E+14
v=v_elettrone : = 4044699.6928366
x0= : -1.1749115880208E-12
y0= : -4.1433381220767E-12
*****
i=31914
k(31914)=0.99995574694565
kQ(31914)=0.99991149584964
r1= : 4.3073623799271E-12
rpunto1: = 2820342.5401516
rduepunti0 : = -1.1699906767063E+25
fil : = 488.24150259037
fipunto1 : = 6.7232659335642E+17
fi_gradi : = 27974.177481554
t1 : = 1.0809185717213E-14
tpunto1 : = 1.0004568546256
tduepunti0 : = -8.5875243785813E+14
v=v_elettrone : = 4043582.3862503
x0= : -1.1746750824522E-12
y0= : -4.1437493151815E-12
*****
i=31915
k(31915)=0.99995578998996
kQ(31915)=0.99991158193444
r1= : 4.3076931460149E-12
rpunto1: = 2818970.5835837
rduepunti0 : = -1.1698259324811E+25
fil : = 488.24158143996
fipunto1 : = 6.7222333627358E+17
fi_gradi : = 27974.181999302
t1 : = 1.0809185834545E-14
tpunto1 : = 1.0004567539767
tduepunti0 : = -8.5820282234931E+14
v=v_elettrone : = 4042465.4876824
x0= : -1.1744385257013E-12
y0= : -4.144160327661E-12
*****
i=31916
k(31916)=0.99995583300726
kQ(31916)=0.99991166796525
r1= : 4.3080237512015E-12
rpunto1: = 2817598.8200913
rduepunti0 : = -1.1696613028486E+25
fil : = 488.24166027743
fipunto1 : = 6.7212015319438E+17
fi_gradi : = 27974.186516357
t1 : = 1.0809185951878E-14
tpunto1 : = 1.0004566533922
tduepunti0 : = -8.5765348867045E+14
v=v_elettrone : = 4041348.9942671
x0= : -1.17420191779E-12
y0= : -4.144571159539E-12
```

```
*****
i=31917
k(31917)=0.99995587599759
kQ(31917)=0.9999117539421
r1= : 4.3083541955095E-12
rpunto1: = 2816227.2495401
rduepunti0 : = -1.1694967877378E+25
fil : = 488.24173910281
fipunto1 : = 6.7201704406978E+17
fi_gradi : = 27974.191032718
t1 : = 1.080918606921E-14
tpunto1 : = 1.0004565528721
tduepunti0 : = -8.5710443655271E+14
v=v_elettrone : = 4040232.9076194
x0= : -1.1739652587406E-12
y0= : -4.144981810839E-12
*****
i=31918
k(31918)=0.99995591896093
kQ(31918)=0.999911839865
r1= : 4.3086844789614E-12
rpunto1: = 2814855.8717958
rduepunti0 : = -1.1693323870776E+25
fil : = 488.24181791609
fipunto1 : = 6.7191400885075E+17
fi_gradi : = 27974.195548387
t1 : = 1.0809186186542E-14
tpunto1 : = 1.0004564524164
tduepunti0 : = -8.5655566572754E+14
v=v_elettrone : = 4039117.2263727
x0= : -1.1737285485751E-12
y0= : -4.1453922815849E-12
*****
i=31919
k(31919)=0.99995596189732
kQ(31919)=0.999911925734
r1= : 4.30901460158E-12
rpunto1: = 2813484.6867244
rduepunti0 : = -1.1691681007971E+25
fil : = 488.24189671728
fipunto1 : = 6.7181104748835E+17
fi_gradi : = 27974.200063363
t1 : = 1.0809186303874E-14
tpunto1 : = 1.000456352025
tduepunti0 : = -8.5600717592668E+14
v=v_elettrone : = 4038001.9521391
x0= : -1.1734917873156E-12
y0= : -4.1458025718003E-12
*****
i=31920
k(31920)=0.99995600480676
kQ(31920)=0.9999120115491
r1= : 4.3093445633877E-12
rpunto1: = 2812113.6941916
rduepunti0 : = -1.1690039288254E+25
fil : = 488.2419755064
fipunto1 : = 6.7170815993368E+17
fi_gradi : = 27974.204577647
t1 : = 1.0809186421207E-14
tpunto1 : = 1.0004562516978
tduepunti0 : = -8.5545896688211E+14
v=v_elettrone : = 4036887.0835501
x0= : -1.1732549749842E-12
y0= : -4.1462126815088E-12
```



```
*****
i=31921
k(31921)=0.99995604768927
kQ(31921)=0.99991209731034
r1= : 4.3096743644073E-12
rpunto1 : = 2810742.8940637
rduepunti0 : = -1.1688398710916E+25
fil : = 488.24205428346
fipunto1 : = 6.7160534613788E+17
fi_gradi : = 27974.20909124
t1 : = 1.0809186538539E-14
tpunto1 : = 1.000456151435
tduepunti0 : = -8.5491103832613E+14
v=v_elettrone : = 4035772.62221
x0= : -1.1730181116029E-12
y0= : -4.1466226107341E-12
*****
i=31922
k(31922)=0.99995609054485
kQ(31922)=0.99991218301775
r1= : 4.3100040046612E-12
rpunto1 : = 2809372.2862066
rduepunti0 : = -1.168675927525E+25
fil : = 488.24213304846
fipunto1 : = 6.7150260605215E+17
fi_gradi : = 27974.213604141
t1 : = 1.0809186655871E-14
tpunto1 : = 1.0004560512364
tduepunti0 : = -8.5436338999131E+14
v=v_elettrone : = 4034658.5667587
x0= : -1.1727811971936E-12
y0= : -4.1470323594998E-12
*****
i=31923
k(31923)=0.99995613337353
kQ(31923)=0.99991226867135
r1= : 4.310333484172E-12
rpunto1 : = 2808001.8704866
rduepunti0 : = -1.168512098055E+25
fil : = 488.24221180141
fipunto1 : = 6.7139993962775E+17
fi_gradi : = 27974.218116353
t1 : = 1.0809186773203E-14
tpunto1 : = 1.0004559511019
tduepunti0 : = -8.5381602161046E+14
v=v_elettrone : = 4033544.9158276
x0= : -1.1725442317783E-12
y0= : -4.1474419278296E-12
*****
i=31924
k(31924)=0.99995617617532
kQ(31924)=0.99991235427116
r1= : 4.3106628029623E-12
rpunto1 : = 2806631.6467699
rduepunti0 : = -1.1683483826109E+25
fil : = 488.24229054231
fipunto1 : = 6.7129734681599E+17
fi_gradi : = 27974.222627875
t1 : = 1.0809186890535E-14
tpunto1 : = 1.0004558510317
tduepunti0 : = -8.5326893291671E+14
v=v_elettrone : = 4032431.6725106
x0= : -1.1723072153794E-12
y0= : -4.147851315747E-12
```

```
*****
i=31925
k(31925)=0.99995621895022
kQ(31925)=0.99991243981721
r1= : 4.3109919610545E-12
rpunto1: = 2805261.6149229
rduepunti0 : = -1.1681847811222E+25
fil : = 488.24236927119
fipunto1 : = 6.7119482756822E+17
fi_gradi : = 27974.227138707
t1 : = 1.0809187007867E-14
tpunto1 : = 1.0004557510255
tduepunti0 : = -8.5272212364345E+14
v=v_elettrone : = 4031318.8354539
x0= : -1.1720701480185E-12
y0= : -4.1482605232755E-12
*****
i=31926
k(31926)=0.99995626169825
kQ(31926)=0.99991252530954
r1= : 4.3113209584711E-12
rpunto1: = 2803891.774812
rduepunti0 : = -1.1680212935185E+25
fil : = 488.24244798804
fipunto1 : = 6.7109238183585E+17
fi_gradi : = 27974.23164885
t1 : = 1.08091871252E-14
tpunto1 : = 1.0004556510835
tduepunti0 : = -8.5217559352434E+14
v=v_elettrone : = 4030206.4032643
x0= : -1.1718330297177E-12
y0= : -4.1486695504389E-12
*****
i=31927
k(31927)=0.99995630441942
kQ(31927)=0.99991261074815
r1= : 4.3116497952347E-12
rpunto1: = 2802522.1263038
rduepunti0 : = -1.1678579197293E+25
fil : = 488.24252669288
fipunto1 : = 6.7099000957035E+17
fi_gradi : = 27974.236158305
t1 : = 1.0809187242532E-14
tpunto1 : = 1.0004555512055
tduepunti0 : = -8.5162934229331E+14
v=v_elettrone : = 4029094.3775766
x0= : -1.171595860499E-12
y0= : -4.1490783972605E-12
*****
i=31928
k(31928)=0.99995634711376
kQ(31928)=0.99991269613309
r1= : 4.3119784713677E-12
rpunto1: = 2801152.6692648
rduepunti0 : = -1.1676946596844E+25
fil : = 488.24260538571
fipunto1 : = 6.7088771072322E+17
fi_gradi : = 27974.240667073
t1 : = 1.0809187359864E-14
tpunto1 : = 1.0004554513916
tduepunti0 : = -8.5108336968459E+14
v=v_elettrone : = 4027982.7585137
x0= : -1.1713586403844E-12
y0= : -4.1494870637639E-12
```

```
*****
i=31929
k(31929)=0.99995638978126
kQ(31929)=0.99991278146437
r1= : 4.3123069868926E-12
rpunto1 : = 2799783.4035618
rduepunti0 : = -1.1675315133135E+25
fil : = 488.24268406654
fipunto1 : = 6.7078548524604E+17
fi_gradi : = 27974.245175152
t1 : = 1.0809187477196E-14
tpunto1 : = 1.0004553516416
tduepunti0 : = -8.5053767543267E+14
v=v_elettrone : = 4026871.5446836
x0= : -1.1711213693956E-12
y0= : -4.1498955499727E-12
*****
i=31930
k(31930)=0.99995643242194
kQ(31930)=0.99991286674202
r1= : 4.3126353418318E-12
rpunto1 : = 2798414.3290614
rduepunti0 : = -1.1673684805465E+25
fil : = 488.24276273539
fipunto1 : = 6.7068333309042E+17
fi_gradi : = 27974.249682545
t1 : = 1.0809187594528E-14
tpunto1 : = 1.0004552519557
tduepunti0 : = -8.4999225927229E+14
v=v_elettrone : = 4025760.7377279
x0= : -1.1708840475548E-12
y0= : -4.1503038559103E-12
*****
i=31931
k(31931)=0.99995647503582
kQ(31931)=0.99991295196607
r1= : 4.3129635362077E-12
rpunto1 : = 2797045.4456306
rduepunti0 : = -1.1672055613132E+25
fil : = 488.24284139225
fipunto1 : = 6.7058125420802E+17
fi_gradi : = 27974.254189251
t1 : = 1.080918771186E-14
tpunto1 : = 1.0004551523336
tduepunti0 : = -8.4944712093851E+14
v=v_elettrone : = 4024650.3362628
x0= : -1.1706466748837E-12
y0= : -4.1507119816003E-12
*****
i=31932
k(31932)=0.99995651762291
kQ(31932)=0.99991303713654
r1= : 4.3132915700427E-12
rpunto1 : = 2795676.7531363
rduepunti0 : = -1.1670427555436E+25
fil : = 488.24292003715
fipunto1 : = 6.7047924855057E+17
fi_gradi : = 27974.258695272
t1 : = 1.0809187829192E-14
tpunto1 : = 1.0004550527755
tduepunti0 : = -8.4890226016663E+14
v=v_elettrone : = 4023540.3404063
x0= : -1.1704092514043E-12
y0= : -4.151119927066E-12
```

```
*****
i=31933
k(31933)=0.99995656018322
kQ(31933)=0.99991312225346
r1= : 4.3136194433593E-12
rpunto1 : = 2794308.2514454
rduepunti0 : = -1.1668800631678E+25
fil : = 488.24299867008
fipunto1 : = 6.7037731606984E+17
fi_gradi : = 27974.263200607
t1 : = 1.0809187946524E-14
tpunto1 : = 1.0004549532812
tduepunti0 : = -8.4835767669223E+14
v=v_elettrone : = 4022430.7502843
x0= : -1.1701717771385E-12
y0= : -4.1515276923309E-12
*****
i=31934
k(31934)=0.99995660271677
kQ(31934)=0.99991320731686
r1= : 4.3139471561798E-12
rpunto1 : = 2792939.9404252
rduepunti0 : = -1.1667174841159E+25
fil : = 488.24307729105
fipunto1 : = 6.7027545671765E+17
fi_gradi : = 27974.267705257
t1 : = 1.0809188063856E-14
tpunto1 : = 1.0004548538507
tduepunti0 : = -8.4781337025117E+14
v=v_elettrone : = 4021321.5660187
x0= : -1.1699342521083E-12
y0= : -4.1519352774184E-12
*****
i=31935
k(31935)=0.99995664522356
kQ(31935)=0.99991329232675
r1= : 4.3142747085266E-12
rpunto1 : = 2791571.8199427
rduepunti0 : = -1.1665550183181E+25
fil : = 488.24315590008
fipunto1 : = 6.7017367044588E+17
fi_gradi : = 27974.272209223
t1 : = 1.0809188181188E-14
tpunto1 : = 1.0004547544841
tduepunti0 : = -8.4726934057957E+14
v=v_elettrone : = 4020212.7877343
x0= : -1.1696966763354E-12
y0= : -4.1523426823519E-12
*****
i=31936
k(31936)=0.99995668770361
kQ(31936)=0.99991337728317
r1= : 4.314602100422E-12
rpunto1 : = 2790203.8898653
rduepunti0 : = -1.1663926657046E+25
fil : = 488.24323449718
fipunto1 : = 6.7007195720644E+17
fi_gradi : = 27974.276712504
t1 : = 1.080918829852E-14
tpunto1 : = 1.0004546551812
tduepunti0 : = -8.4672558741384E+14
v=v_elettrone : = 4019104.4155506
x0= : -1.1694590498418E-12
y0= : -4.1527499071549E-12
```

```
*****
i=31937
k(31937)=0.99995673015693
kQ(31937)=0.99991346218614
r1= : 4.3149293318883E-12
rpunto1:= 2788836.1500602
rduepunti0 := -1.1662304262058E+25
fil := 488.24331308234
fipunto1 := 6.6997031695133E+17
fi_gradi := 27974.281215103
t1 := 1.0809188415852E-14
tpunto1 := 1.0004545559421
tduepunti0 := -8.4618211049064E+14
v=v_elettrone := 4017996.4481031
x0= : -1.1692213726492E-12
y0= : -4.1531569518507E-12
*****
i=31938
k(31938)=0.99995677258354
kQ(31938)=0.99991354703569
r1= : 4.3152564029479E-12
rpunto1:= 2787468.6003949
rduepunti0 := -1.1660682997521E+25
fil := 488.24339165558
fipunto1 := 6.6986874963256E+17
fi_gradi := 27974.285717018
t1 := 1.0809188533184E-14
tpunto1 := 1.0004544567667
tduepunti0 := -8.4563890954691E+14
v=v_elettrone := 4016888.886987
x0= : -1.1689836447797E-12
y0= : -4.1535638164626E-12
*****
i=31939
k(31939)=0.99995681498345
kQ(31939)=0.99991363183184
r1= : 4.315583313623E-12
rpunto1:= 2786101.2407369
rduepunti0 := -1.1659062862739E+25
fil := 488.24347021691
fipunto1 := 6.6976725520221E+17
fi_gradi := 27974.290218251
t1 := 1.0809188650516E-14
tpunto1 := 1.0004543576549
tduepunti0 := -8.4509598431988E+14
v=v_elettrone := 4015781.7308654
x0= : -1.1687458662549E-12
y0= : -4.153970501014E-12
*****
i=31940
k(31940)=0.99995685735666
kQ(31940)=0.99991371657462
r1= : 4.3159100639361E-12
rpunto1:= 2784734.0709537
rduepunti0 := -1.1657443857019E+25
fil := 488.24354876634
fipunto1 := 6.6966583361242E+17
fi_gradi := 27974.294718801
t1 := 1.0809188767848E-14
tpunto1 := 1.0004542586068
tduepunti0 := -8.4455333454701E+14
v=v_elettrone := 4014674.9813277
x0= : -1.1685080370968E-12
y0= : -4.1543770055282E-12
```

```
*****
i=31941
k(31941)=0.99995689970321
kQ(31941)=0.99991380126405
r1= : 4.3162366539092E-12
rpunto1: = 2783367.0909131
rduepunti0 : = -1.1655825979665E+25
fil : = 488.24362730388
fipunto1 : = 6.6956448481536E+17
fi_gradi : = 27974.299218671
t1 : = 1.080918888518E-14
tpunto1 : = 1.0004541596223
tduepunti0 : = -8.4401095996607E+14
v=v_elettrone : = 4013568.6370105
x0= : -1.1682701573271E-12
y0= : -4.1547833300286E-12
*****
i=31942
k(31942)=0.99995694202308
kQ(31942)=0.99991388590016
r1= : 4.3165630835647E-12
rpunto1: = 2782000.3004828
rduepunti0 : = -1.1654209229986E+25
fil : = 488.24370582953
fipunto1 : = 6.6946320876327E+17
fi_gradi : = 27974.303717859
t1 : = 1.0809189002512E-14
tpunto1 : = 1.0004540607014
tduepunti0 : = -8.4346886031507E+14
v=v_elettrone : = 4012462.6995474
x0= : -1.1680322269676E-12
y0= : -4.1551894745383E-12
*****
i=31943
k(31943)=0.99995698431631
kQ(31943)=0.99991397048297
r1= : 4.3168893529247E-12
rpunto1: = 2780633.6995306
rduepunti0 : = -1.1652593607288E+25
fil : = 488.2437843433
fipunto1 : = 6.6936200540842E+17
fi_gradi : = 27974.308216366
t1 : = 1.0809189119844E-14
tpunto1 : = 1.000453961844
tduepunti0 : = -8.4292703533231E+14
v=v_elettrone : = 4011357.1660368
x0= : -1.1677942460398E-12
y0= : -4.1555954390808E-12
*****
i=31944
k(31944)=0.9999570265829
kQ(31944)=0.99991405501251
r1= : 4.3172154620117E-12
rpunto1: = 2779267.2879245
rduepunti0 : = -1.165097911088E+25
fil : = 488.2438628452
fipunto1 : = 6.6926087470316E+17
fi_gradi : = 27974.312714194
t1 : = 1.0809189237176E-14
tpunto1 : = 1.0004538630501
tduepunti0 : = -8.4238548475635E+14
v=v_elettrone : = 4010252.0396184
x0= : -1.167556214566E-12
y0= : -4.1560012236792E-12
```

```
*****
i=31945
k(31945)=0.99995706882286
kQ(31945)=0.99991413948881
r1= : 4.3175414108476E-12
rpunto1: = 2777901.0655323
rduepunti0 : = -1.1649365740071E+25
fil : = 488.24394133524
fipunto1 : = 6.6915981659986E+17
fi_gradi : = 27974.317211342
t1 : = 1.0809189354508E-14
tpunto1 : = 1.0004537643197
tduepunti0 : = -8.4184420832601E+14
v=v_elettrone : = 4009147.3174194
x0= : -1.1673181325674E-12
y0= : -4.1564068283569E-12
*****
i=31946
k(31946)=0.99995711103621
kQ(31946)=0.99991422391189
r1= : 4.3178671994548E-12
rpunto1: = 2776535.0322223
rduepunti0 : = -1.164775349417E+25
fil : = 488.24401981343
fipunto1 : = 6.6905883105097E+17
fi_gradi : = 27974.321707811
t1 : = 1.080918947184E-14
tpunto1 : = 1.0004536656528
tduepunti0 : = -8.413032057804E+14
v=v_elettrone : = 4008043.0010446
x0= : -1.1670800000662E-12
y0= : -4.1568122531369E-12
*****
i=31947
k(31947)=0.99995715322296
kQ(31947)=0.99991430828177
r1= : 4.3181928278553E-12
rpunto1: = 2775169.1878625
rduepunti0 : = -1.1646142372489E+25
fil : = 488.24409827977
fipunto1 : = 6.6895791800896E+17
fi_gradi : = 27974.326203602
t1 : = 1.0809189589172E-14
tpunto1 : = 1.0004535670493
tduepunti0 : = -8.4076247685887E+14
v=v_elettrone : = 4006939.0906359
x0= : -1.166841817084E-12
y0= : -4.1572174980426E-12
*****
i=31948
k(31948)=0.99995719538313
kQ(31948)=0.99991439259849
r1= : 4.3185182960715E-12
rpunto1: = 2773803.5323212
rduepunti0 : = -1.1644532374338E+25
fil : = 488.24417673428
fipunto1 : = 6.6885707742638E+17
fi_gradi : = 27974.330698714
t1 : = 1.0809189706504E-14
tpunto1 : = 1.0004534685091
tduepunti0 : = -8.4022202130106E+14
v=v_elettrone : = 4005835.584804
x0= : -1.1666035836424E-12
y0= : -4.1576225630971E-12
```

```
*****
i=31949
k(31949)=0.99995723751672
kQ(31949)=0.99991447686206
r1= : 4.3188436041253E-12
rpunto1 : = 2772438.0654666
rduepunti0 : = -1.1642923499028E+25
fil : = 488.24425517697
fipunto1 : = 6.687563092558E+17
fi_gradi : = 27974.335193149
t1 : = 1.0809189823836E-14
tpunto1 : = 1.0004533700323
tduepunti0 : = -8.3968183884688E+14
v=v_elettrone : = 4004732.4851916
x0= : -1.1663652997633E-12
y0= : -4.1580274483236E-12
*****
i=31950
k(31950)=0.99995727962374
kQ(31950)=0.99991456107252
r1= : 4.319168752039E-12
rpunto1 : = 2771072.7871673
rduepunti0 : = -1.1641315745873E+25
fil : = 488.24433360783
fipunto1 : = 6.6865561344987E+17
fi_gradi : = 27974.339686906
t1 : = 1.0809189941168E-14
tpunto1 : = 1.0004532716189
tduepunti0 : = -8.3914192923648E+14
v=v_elettrone : = 4003629.7903949
x0= : -1.1661269654683E-12
y0= : -4.1584321537452E-12
*****
i=31951
k(31951)=0.99995732170422
kQ(31951)=0.99991464522988
r1= : 4.3194937398346E-12
rpunto1 : = 2769707.6972916
rduepunti0 : = -1.1639709114185E+25
fil : = 488.24441202689
fipunto1 : = 6.6855498996127E+17
fi_gradi : = 27974.344179987
t1 : = 1.0809190058499E-14
tpunto1 : = 1.0004531732687
tduepunti0 : = -8.386022922103E+14
v=v_elettrone : = 4002527.502069
x0= : -1.1658885807792E-12
y0= : -4.1588366793851E-12
*****
i=31952
k(31952)=0.99995736375816
kQ(31952)=0.99991472933417
r1= : 4.3198185675342E-12
rpunto1 : = 2768342.7957082
rduepunti0 : = -1.1638103603279E+25
fil : = 488.24449043415
fipunto1 : = 6.6845443874275E+17
fi_gradi : = 27974.348672392
t1 : = 1.0809190175831E-14
tpunto1 : = 1.0004530749818
tduepunti0 : = -8.3806292750903E+14
v=v_elettrone : = 4001425.6188098
x0= : -1.1656501457174E-12
y0= : -4.1592410252664E-12
```



```
*****
i=31953
k(31953)=0.99995740578558
kQ(31953)=0.99991481338542
r1= : 4.32014323516E-12
rpunto1: = 2766978.0822856
rduepunti0 : = -1.163649921247E+25
fil : = 488.24456882961
fipunto1 : = 6.6835395974708E+17
fi_gradi : = 27974.353164121
t1 : = 1.0809190293163E-14
tpunto1 : = 1.0004529767581
tduepunti0 : = -8.3752383487365E+14
v=v_elettrone : = 4000324.1392324
x0= : -1.1654116603047E-12
y0= : -4.1596451914123E-12
*****
i=31954
k(31954)=0.99995744778648
kQ(31954)=0.99991489738366
r1= : 4.320467742734E-12
rpunto1: = 2765613.5568926
rduepunti0 : = -1.1634895941071E+25
fil : = 488.24464721329
fipunto1 : = 6.6825355292711E+17
fi_gradi : = 27974.357655175
t1 : = 1.0809190410495E-14
tpunto1 : = 1.0004528785976
tduepunti0 : = -8.3698501404538E+14
v=v_elettrone : = 3999223.0665006
x0= : -1.165173124563E-12
y0= : -4.1600491778457E-12
*****
i=31955
k(31955)=0.99995748976089
kQ(31955)=0.9999149813289
r1= : 4.3207920902782E-12
rpunto1: = 2764249.2193979
rduepunti0 : = -1.16332937884E+25
fil : = 488.24472558519
fipunto1 : = 6.6815321823572E+17
fi_gradi : = 27974.362145555
t1 : = 1.0809190527827E-14
tpunto1 : = 1.0004527805002
tduepunti0 : = -8.3644646476572E+14
v=v_elettrone : = 3998122.3992219
x0= : -1.1649345385138E-12
y0= : -4.1604529845898E-12
*****
i=31956
k(31956)=0.99995753170881
kQ(31956)=0.99991506522118
r1= : 4.3211162778147E-12
rpunto1: = 2762885.0696705
rduepunti0 : = -1.1631692753774E+25
fil : = 488.24480394533
fipunto1 : = 6.6805295562586E+17
fi_gradi : = 27974.36663526
t1 : = 1.0809190645159E-14
tpunto1 : = 1.000452682466
tduepunti0 : = -8.3590818677641E+14
v=v_elettrone : = 3997022.1375111
x0= : -1.1646959021786E-12
y0= : -4.1608566116677E-12
```

```
*****
i=31957
k(31957)=0.99995757363026
kQ(31957)=0.99991514906051
r1= : 4.3214403053655E-12
rpunto1: = 2761521.1075793
rduepunti0 : = -1.1630092836509E+25
fil : = 488.2448822937
fipunto1 : = 6.6795276505051E+17
fi_gradi : = 27974.371124291
t1 : = 1.080919076249E-14
tpunto1 : = 1.0004525844949
tduepunti0 : = -8.353701798195E+14
v=v_elettrone : = 3995922.2799886
x0= : -1.164457215579E-12
y0= : -4.1612600591024E-12
*****
i=31958
k(31958)=0.99995761552524
kQ(31958)=0.99991523284693
r1= : 4.3217641729526E-12
rpunto1: = 2760157.3329934
rduepunti0 : = -1.1628494035923E+25
fil : = 488.24496063033
fipunto1 : = 6.6785264646271E+17
fi_gradi : = 27974.375612649
t1 : = 1.0809190879822E-14
tpunto1 : = 1.0004524865868
tduepunti0 : = -8.3483244363727E+14
v=v_elettrone : = 3994822.8282839
x0= : -1.1642184787367E-12
y0= : -4.1616633269169E-12
*****
i=31959
k(31959)=0.99995765739378
kQ(31959)=0.99991531658046
r1= : 4.322087880598E-12
rpunto1: = 2758793.7457818
rduepunti0 : = -1.1626896351336E+25
fil : = 488.24503895522
fipunto1 : = 6.6775259981555E+17
fi_gradi : = 27974.380100334
t1 : = 1.0809190997154E-14
tpunto1 : = 1.0004523887418
tduepunti0 : = -8.3429497797226E+14
v=v_elettrone : = 3993723.7810223
x0= : -1.1639796916734E-12
y0= : -4.1620664151342E-12
*****
i=31960
k(31960)=0.99995769923588
kQ(31960)=0.99991540026112
r1= : 4.3224114283236E-12
rpunto1: = 2757430.3458138
rduepunti0 : = -1.1625299782067E+25
fil : = 488.24511726837
fipunto1 : = 6.6765262506217E+17
fi_gradi : = 27974.384587348
t1 : = 1.0809191114486E-14
tpunto1 : = 1.0004522909598
tduepunti0 : = -8.3375778256729E+14
v=v_elettrone : = 3992625.1398316
x0= : -1.1637408544107E-12
y0= : -4.1624693237773E-12
```

```
*****
i=31961
k(31961)=0.99995774105156
kQ(31961)=0.99991548388894
r1= : 4.3227348161516E-12
rpunto1:= 2756067.1329586
rduepunti0 := -1.1623704327436E+25
fil := 488.2451955698
fipunto1 := 6.6755272215575E+17
fi_gradi := 27974.389073689
t1 := 1.0809191231817E-14
tpunto1 := 1.0004521932407
tduepunti0 := -8.3322085716544E+14
v=v_elettrone := 3991526.9048473
x0= : -1.16350196697E-12
y0= : -4.1628720528693E-12
*****
i=31962
k(31962)=0.99995778284083
kQ(31962)=0.99991556746394
r1= : 4.3230580441036E-12
rpunto1:= 2754704.1070856
rduepunti0 := -1.1622109986765E+25
fil := 488.24527385951
fipunto1 := 6.6745289104953E+17
fi_gradi := 27974.393559359
t1 := 1.0809191349149E-14
tpunto1 := 1.0004520955846
tduepunti0 := -8.3268420151004E+14
v=v_elettrone := 3990429.0731583
x0= : -1.1632630293727E-12
y0= : -4.163274602433E-12
*****
i=31963
k(31963)=0.9999578246037
kQ(31963)=0.99991565098615
r1= : 4.3233811122018E-12
rpunto1:= 2753341.2680642
rduepunti0 := -1.1620516759373E+25
fil := 488.24535213751
fipunto1 := 6.673531316968E+17
fi_gradi := 27974.398044358
t1 := 1.0809191466481E-14
tpunto1 := 1.0004519979914
tduepunti0 := -8.3214781534471E+14
v=v_elettrone := 3989331.647923
x0= : -1.1630240416408E-12
y0= : -4.1636769724914E-12
*****
i=31964
k(31964)=0.99995786634018
kQ(31964)=0.9999157344556
r1= : 4.3237040204681E-12
rpunto1:= 2751978.6157639
rduepunti0 := -1.1618924644585E+25
fil := 488.24543040382
fipunto1 := 6.6725344405089E+17
fi_gradi := 27974.402528687
t1 := 1.0809191583812E-14
tpunto1 := 1.000451900461
tduepunti0 := -8.3161169841329E+14
v=v_elettrone := 3988234.626224
x0= : -1.1627850037955E-12
y0= : -4.1640791630674E-12
```

```
*****
i=31965
k(31965)=0.99995790805029
kQ(31965)=0.99991581787231
r1= : 4.3240267689242E-12
rpunto1:= 2750616.1500544
rduepunti0 := -1.1617333641722E+25
fil := 488.24550865843
fipunto1 := 6.671538280652E+17
fi_gradi := 27974.407012346
t1 := 1.0809191701144E-14
tpunto1 := 1.0004518029936
tduepunti0 := -8.3107585045993E+14
v=v_elettrone := 3987138.0112334
x0= : -1.1625459158585E-12
y0= : -4.1644811741839E-12
*****
i=31966
k(31966)=0.99995794973404
kQ(31966)=0.9999159012363
r1= : 4.3243493575921E-12
rpunto1:= 2749253.8708054
rduepunti0 := -1.1615743750109E+25
fil := 488.24558690136
fipunto1 := 6.6705428369316E+17
fi_gradi := 27974.411495336
t1 := 1.0809191818476E-14
tpunto1 := 1.0004517055889
tduepunti0 := -8.3054027122899E+14
v=v_elettrone := 3986041.8000527
x0= : -1.1623067778513E-12
y0= : -4.1648830058639E-12
*****
i=31967
k(31967)=0.99995799139144
kQ(31967)=0.99991598454759
r1= : 4.3246717864937E-12
rpunto1:= 2747891.7778864
rduepunti0 := -1.161415496907E+25
fil := 488.24566513261
fipunto1 := 6.6695481088825E+17
fi_gradi := 27974.415977656
t1 := 1.0809191935807E-14
tpunto1 := 1.000451608247
tduepunti0 := -8.3000496046513E+14
v=v_elettrone := 3984945.9942973
x0= : -1.1620675897954E-12
y0= : -4.1652846581302E-12
*****
i=31968
k(31968)=0.9999580330225
kQ(31968)=0.99991606780622
r1= : 4.3249940556509E-12
rpunto1:= 2746529.8711675
rduepunti0 := -1.1612567297929E+25
fil := 488.2457433522
fipunto1 := 6.6685540960401E+17
fi_gradi := 27974.420459309
t1 := 1.0809192053139E-14
tpunto1 := 1.0004515109678
tduepunti0 := -8.2946991791326E+14
v=v_elettrone := 3983850.5941119
x0= : -1.1618283517123E-12
y0= : -4.1656861310056E-12
```

```
*****
i=31969
k(31969)=0.99995807462724
kQ(31969)=0.99991615101221
r1= : 4.3253161650853E-12
rpunto1: = 2745168.1505185
rduepunti0 : = -1.1610980736013E+25
fil : = 488.24582156013
fipunto1 : = 6.6675607979403E+17
fi_gradi : = 27974.424940293
t1 : = 1.0809192170471E-14
tpunto1 : = 1.0004514137514
tduepunti0 : = -8.2893514331854E+14
v=v_elettrone : = 3982755.5996115
x0= : -1.1615890636235E-12
y0= : -4.166087424513E-12
*****
i=31970
k(31970)=0.99995811620567
kQ(31970)=0.99991623416559
r1= : 4.325638114819E-12
rpunto1: = 2743806.6158094
rduepunti0 : = -1.1609395282648E+25
fil : = 488.24589975641
fipunto1 : = 6.6665682141192E+17
fi_gradi : = 27974.42942061
t1 : = 1.0809192287802E-14
tpunto1 : = 1.0004513165977
tduepunti0 : = -8.284006364264E+14
v=v_elettrone : = 3981661.0094232
x0= : -1.1613497255502E-12
y0= : -4.1664885386753E-12
*****
i=31971
k(31971)=0.9999581577578
kQ(31971)=0.99991631726637
r1= : 4.3259599048737E-12
rpunto1: = 2742445.2669102
rduepunti0 : = -1.1607810937161E+25
fil : = 488.24597794105
fipunto1 : = 6.6655763441139E+17
fi_gradi : = 27974.43390026
t1 : = 1.0809192405134E-14
tpunto1 : = 1.0004512195066
tduepunti0 : = -8.2786639698252E+14
v=v_elettrone : = 3980566.8236592
x0= : -1.1611103375141E-12
y0= : -4.1668894735153E-12
*****
i=31972
k(31972)=0.99995819928364
kQ(31972)=0.99991640031458
r1= : 4.3262815352711E-12
rpunto1: = 2741084.1036912
rduepunti0 : = -1.1606227698879E+25
fil : = 488.24605611406
fipunto1 : = 6.6645851874616E+17
fi_gradi : = 27974.438379243
t1 : = 1.0809192522466E-14
tpunto1 : = 1.0004511224781
tduepunti0 : = -8.2733242473285E+14
v=v_elettrone : = 3979473.0424333
x0= : -1.1608708995367E-12
y0= : -4.1672902290557E-12
```

```

*****
i=31973
k(31973)=0.99995824078321
kQ(31973)=0.99991648331026
r1= : 4.3266030060331E-12
rpunto1: = 2739723.1260225
rduepunti0 : = -1.1604645567132E+25
fil : = 488.24613427545
fipunto1 : = 6.6635947437001E+17
fi_gradi : = 27974.442857561
t1 : = 1.0809192639797E-14
tpunto1 : = 1.0004510255122
tduepunti0 : = -8.2679871942359E+14
v=v_elettrone : = 3978379.6674205
x0= : -1.1606314116395E-12
y0= : -4.1676908053193E-12
*****
i=31974
k(31974)=0.99995828225652
kQ(31974)=0.99991656625341
r1= : 4.3269243171814E-12
rpunto1: = 2738362.3337744
rduepunti0 : = -1.1603064541248E+25
fil : = 488.24621242521
fipunto1 : = 6.6626050123677E+17
fi_gradi : = 27974.447335213
t1 : = 1.0809192757129E-14
tpunto1 : = 1.0004509286089
tduepunti0 : = -8.2626528080121E+14
v=v_elettrone : = 3977286.6972052
x0= : -1.1603918738437E-12
y0= : -4.168091202329E-12
*****
i=31975
k(31975)=0.99995832370358
kQ(31975)=0.99991664914407
r1= : 4.3272454687378E-12
rpunto1: = 2737001.7268174
rduepunti0 : = -1.1601484620557E+25
fil : = 488.24629056338
fipunto1 : = 6.6616159930032E+17
fi_gradi : = 27974.4518122
t1 : = 1.080919287446E-14
tpunto1 : = 1.0004508317681
tduepunti0 : = -8.2573210861242E+14
v=v_elettrone : = 3976194.1319159
x0= : -1.1601522861708E-12
y0= : -4.1684914201073E-12
*****
i=31976
k(31976)=0.9999583651244
kQ(31976)=0.99991673198227
r1= : 4.327566460724E-12
rpunto1: = 2735641.3050219
rduepunti0 : = -1.159990580439E+25
fil : = 488.24636868994
fipunto1 : = 6.6606276851458E+17
fi_gradi : = 27974.456288522
t1 : = 1.0809192991792E-14
tpunto1 : = 1.0004507349898
tduepunti0 : = -8.2519920260421E+14
v=v_elettrone : = 3975101.9701695
x0= : -1.1599126486422E-12
y0= : -4.1688914586772E-12

```

```
*****
i=31977
k(31977)=0.999958406519
kQ(31977)=0.99991681476802
r1= : 4.3278872931616E-12
rpunto1: = 2734281.0682585
rduepunti0 : = -1.1598328092077E+25
fil : = 488.24644680491
fipunto1 : = 6.6596400883354E+17
fi_gradi : = 27974.46076418
t1 : = 1.0809193109124E-14
tpunto1 : = 1.000450638274
tduepunti0 : = -8.246665625238E+14
v=v_elettrone : = 3974010.2151221
x0= : -1.1596729612794E-12
y0= : -4.1692913180612E-12
*****
i=31978
k(31978)=0.99995844788739
kQ(31978)=0.99991689750135
r1= : 4.3282079660725E-12
rpunto1: = 2732921.0163976
rduepunti0 : = -1.1596751482952E+25
fil : = 488.2465249083
fipunto1 : = 6.6586532021122E+17
fi_gradi : = 27974.465239175
t1 : = 1.0809193226455E-14
tpunto1 : = 1.0004505416206
tduepunti0 : = -8.2413418811868E+14
v=v_elettrone : = 3972918.8638675
x0= : -1.1594332241036E-12
y0= : -4.1696909982821E-12
*****
i=31979
k(31979)=0.99995848922957
kQ(31979)=0.99991698018229
r1= : 4.3285284794783E-12
rpunto1: = 2731561.1493102
rduepunti0 : = -1.1595175976345E+25
fil : = 488.24660300011
fipunto1 : = 6.657667026017E+17
fi_gradi : = 27974.469713506
t1 : = 1.0809193343787E-14
tpunto1 : = 1.0004504450297
tduepunti0 : = -8.2360207913662E+14
v=v_elettrone : = 3971827.9180451
x0= : -1.1591934371363E-12
y0= : -4.1700904993625E-12
*****
i=31980
k(31980)=0.99995853054557
kQ(31980)=0.99991706281086
r1= : 4.3288488334006E-12
rpunto1: = 2730201.4668669
rduepunti0 : = -1.1593601571591E+25
fil : = 488.24668108036
fipunto1 : = 6.6566815595909E+17
fi_gradi : = 27974.474187175
t1 : = 1.0809193461118E-14
tpunto1 : = 1.0004503485011
tduepunti0 : = -8.230702353256E+14
v=v_elettrone : = 3970737.3762714
x0= : -1.1589536003988E-12
y0= : -4.1704898213252E-12
```

```
*****
i=31981
k(31981)=0.9999585718354
kQ(31981)=0.99991714538708
r1= : 4.3291690278612E-12
rpunto1: = 2728841.9689385
rduepunti0 : = -1.1592028268023E+25
fil : = 488.24675914905
fipunto1 : = 6.6556968023757E+17
fi_gradi : = 27974.478660181
t1 : = 1.080919357845E-14
tpunto1 : = 1.0004502520348
tduepunti0 : = -8.2253865643389E+14
v=v_elettrone : = 3969647.24018
x0= : -1.1587137139125E-12
y0= : -4.1708889641928E-12
*****
i=31982
k(31982)=0.99995861309906
kQ(31982)=0.99991722791099
r1= : 4.3294890628816E-12
rpunto1: = 2727482.6553961
rduepunti0 : = -1.1590456064976E+25
fil : = 488.2468372062
fipunto1 : = 6.6547127539135E+17
fi_gradi : = 27974.483132526
t1 : = 1.0809193695781E-14
tpunto1 : = 1.0004501556309
tduepunti0 : = -8.2200734221001E+14
v=v_elettrone : = 3968557.5083976
x0= : -1.1584737776987E-12
y0= : -4.1712879279879E-12
*****
i=31983
k(31983)=0.99995865433657
kQ(31983)=0.9999173103826
r1= : 4.3298089384835E-12
rpunto1: = 2726123.5261106
rduepunti0 : = -1.1588884961784E+25
fil : = 488.2469152518
fipunto1 : = 6.6537294137472E+17
fi_gradi : = 27974.48760421
t1 : = 1.0809193813113E-14
tpunto1 : = 1.0004500592892
tduepunti0 : = -8.2147629240272E+14
v=v_elettrone : = 3967468.1810241
x0= : -1.1582337917787E-12
y0= : -4.1716867127331E-12
*****
i=31984
k(31984)=0.99995869554794
kQ(31984)=0.99991739280193
r1= : 4.3301286546886E-12
rpunto1: = 2724764.5809531
rduepunti0 : = -1.1587314957785E+25
fil : = 488.24699328587
fipunto1 : = 6.6527467814197E+17
fi_gradi : = 27974.492075232
t1 : = 1.0809193930444E-14
tpunto1 : = 1.0004499630098
tduepunti0 : = -8.2094550676106E+14
v=v_elettrone : = 3966379.258204
x0= : -1.1579937561739E-12
y0= : -4.172085318451E-12
```



```
*****
i=31985
k(31985)=0.99995873673318
kQ(31985)=0.99991747516902
r1= : 4.3304482115182E-12
rpunto1: = 2723405.8197949
rduepunti0 : = -1.1585746052315E+25
fil : = 488.24707130841
fipunto1 : = 6.6517648564749E+17
fi_gradi : = 27974.496545595
t1 : = 1.0809194047776E-14
tpunto1 : = 1.0004498667926
tduepunti0 : = -8.204149850343E+14
v=v_elettrone : = 3965290.7415777
x0= : -1.1577536709057E-12
y0= : -4.1724837451642E-12
*****
i=31986
k(31986)=0.99995877789232
kQ(31986)=0.99991755748389
r1= : 4.3307676089942E-12
rpunto1: = 2722047.242507
rduepunti0 : = -1.1584178244711E+25
fil : = 488.24714931944
fipunto1 : = 6.6507836384568E+17
fi_gradi : = 27974.501015298
t1 : = 1.0809194165107E-14
tpunto1 : = 1.0004497706376
tduepunti0 : = -8.1988472697197E+14
v=v_elettrone : = 3964202.6282345
x0= : -1.1575135359951E-12
y0= : -4.1728819928953E-12
*****
i=31987
k(31987)=0.99995881902535
kQ(31987)=0.99991763974656
r1= : 4.331086847138E-12
rpunto1: = 2720688.8489609
rduepunti0 : = -1.158261153431E+25
fil : = 488.24722731896
fipunto1 : = 6.64980312691E+17
fi_gradi : = 27974.505484341
t1 : = 1.0809194282438E-14
tpunto1 : = 1.0004496745447
tduepunti0 : = -8.1935473232387E+14
v=v_elettrone : = 3963114.9198217
x0= : -1.1572733514636E-12
y0= : -4.1732800616668E-12
*****
i=31988
k(31988)=0.99995886013229
kQ(31988)=0.99991772195706
r1= : 4.3314059259712E-12
rpunto1: = 2719330.6390279
rduepunti0 : = -1.1581045920452E+25
fil : = 488.24730530698
fipunto1 : = 6.6488233213797E+17
fi_gradi : = 27974.509952726
t1 : = 1.080919439977E-14
tpunto1 : = 1.000449578514
tduepunti0 : = -8.1882500084004E+14
v=v_elettrone : = 3962027.6164697
x0= : -1.1570331173325E-12
y0= : -4.1736779515012E-12
```

```
*****
i=31989
k(31989)=0.99995890121315
kQ(31989)=0.99991780411541
r1= : 4.3317248455152E-12
rpunto1: = 2717972.6125796
rduepunti0 : = -1.1579481402476E+25
fil : = 488.24738328351
fipunto1 : = 6.6478442214114E+17
fi_gradi : = 27974.514420452
t1 : = 1.0809194517101E-14
tpunto1 : = 1.0004494825454
tduepunti0 : = -8.1829553227077E+14
v=v_elettrone : = 3960940.7182992
x0= : -1.1567928336229E-12
y0= : -4.1740756624212E-12
*****
i=31990
k(31990)=0.99995894226795
kQ(31990)=0.99991788622164
r1= : 4.3320436057918E-12
rpunto1: = 2716614.7694874
rduepunti0 : = -1.1577917979721E+25
fil : = 488.24746124856
fipunto1 : = 6.6468658265513E+17
fi_gradi : = 27974.51888752
t1 : = 1.0809194634433E-14
tpunto1 : = 1.0004493866388
tduepunti0 : = -8.1776632636661E+14
v=v_elettrone : = 3959854.2239168
x0= : -1.1565525003561E-12
y0= : -4.1744731944491E-12
*****
i=31991
k(31991)=0.9999589832967
kQ(31991)=0.99991796827576
r1= : 4.3323622068222E-12
rpunto1: = 2715257.1096231
rduepunti0 : = -1.1576355651529E+25
fil : = 488.24753920214
fipunto1 : = 6.6458881363458E+17
fi_gradi : = 27974.523353931
t1 : = 1.0809194751764E-14
tpunto1 : = 1.0004492907943
tduepunti0 : = -8.1723738287836E+14
v=v_elettrone : = 3958768.1349758
x0= : -1.1563121175533E-12
y0= : -4.1748705476075E-12
*****
i=31992
k(31992)=0.9999590242994
kQ(31992)=0.99991805027781
r1= : 4.3326806486281E-12
rpunto1: = 2713899.6328582
rduepunti0 : = -1.157479441724E+25
fil : = 488.24761714424
fipunto1 : = 6.6449111503419E+17
fi_gradi : = 27974.527819685
t1 : = 1.0809194869096E-14
tpunto1 : = 1.0004491950117
tduepunti0 : = -8.1670870155707E+14
v=v_elettrone : = 3957682.4500701
x0= : -1.1560716852358E-12
y0= : -4.1752677219188E-12
```

```
*****
i=31993
k(31993)=0.99995906527608
kQ(31993)=0.99991813222781
r1= : 4.3329989312309E-12
rpunto1 : = 2712542.3390647
rduepunti0 : = -1.1573234276198E+25
fil : = 488.24769507489
fipunto1 : = 6.6439348680873E+17
fi_gradi : = 27974.532284782
t1 : = 1.0809194986427E-14
tpunto1 : = 1.0004490992912
tduepunti0 : = -8.1618028215404E+14
v=v_elettrone : = 3956597.1693489
x0= : -1.1558312034248E-12
y0= : -4.1756647174056E-12
*****
i=31994
k(31994)=0.99995910622674
kQ(31994)=0.99991821412578
r1= : 4.333317054652E-12
rpunto1 : = 2711185.2281143
rduepunti0 : = -1.1571675227743E+25
fil : = 488.24777299409
fipunto1 : = 6.6429592891298E+17
fi_gradi : = 27974.536749223
t1 : = 1.0809195103758E-14
tpunto1 : = 1.0004490036326
tduepunti0 : = -8.1565212442084E+14
v=v_elettrone : = 3955512.2944334
x0= : -1.1555906721416E-12
y0= : -4.1760615340901E-12
*****
i=31995
k(31995)=0.9999591471514
kQ(31995)=0.99991829597175
r1= : 4.3336350189129E-12
rpunto1 : = 2709828.2998791
rduepunti0 : = -1.157011727122E+25
fil : = 488.24785090185
fipunto1 : = 6.641984413018E+17
fi_gradi : = 27974.541213009
t1 : = 1.080919522109E-14
tpunto1 : = 1.0004489080359
tduepunti0 : = -8.1512422810927E+14
v=v_elettrone : = 3954427.8224314
x0= : -1.1553500914071E-12
y0= : -4.1764581719949E-12
*****
i=31996
k(31996)=0.99995918805006
kQ(31996)=0.99991837776574
r1= : 4.3339528240351E-12
rpunto1 : = 2708471.5542309
rduepunti0 : = -1.1568560405973E+25
fil : = 488.24792879818
fipunto1 : = 6.6410102393008E+17
fi_gradi : = 27974.54567614
t1 : = 1.0809195338421E-14
tpunto1 : = 1.000448812501
tduepunti0 : = -8.1459659297138E+14
v=v_elettrone : = 3953343.7564983
x0= : -1.1551094612429E-12
y0= : -4.1768546311424E-12
```

```
*****
i=31997
k(31997)=0.99995922892275
kQ(31997)=0.99991845950777
r1= : 4.3342704700399E-12
rpunto1: = 2707114.991042
rduepunti0 : = -1.1567004631346E+25
fil : = 488.24800668308
fipunto1 : = 6.6400367675275E+17
fi_gradi : = 27974.550138616
t1 : = 1.0809195455752E-14
tpunto1 : = 1.0004487170281
tduepunti0 : = -8.1406921875948E+14
v=v_elettrone : = 3952260.0952591
x0= : -1.1548687816698E-12
y0= : -4.1772509115549E-12
*****
i=31998
k(31998)=0.99995926976946
kQ(31998)=0.99991854119788
r1= : 4.3345879569487E-12
rpunto1: = 2705758.6101845
rduepunti0 : = -1.1565449946684E+25
fil : = 488.24808455656
fipunto1 : = 6.6390639972482E+17
fi_gradi : = 27974.554600438
t1 : = 1.0809195573084E-14
tpunto1 : = 1.0004486216169
tduepunti0 : = -8.1354210522614E+14
v=v_elettrone : = 3951176.8372838
x0= : -1.1546280527091E-12
y0= : -4.1776470132548E-12
*****
i=31999
k(31999)=0.99995931059023
kQ(31999)=0.99991862283608
r1= : 4.334905284783E-12
rpunto1: = 2704402.4115305
rduepunti0 : = -1.1563896351334E+25
fil : = 488.24816241864
fipunto1 : = 6.6380919280131E+17
fi_gradi : = 27974.559061606
t1 : = 1.0809195690415E-14
tpunto1 : = 1.0004485262675
tduepunti0 : = -8.1301525212416E+14
v=v_elettrone : = 3950093.9842564
x0= : -1.1543872743819E-12
y0= : -4.1780429362645E-12
*****
i=32000
k(32000)=0.99995935138504
kQ(32000)=0.9999187044224
r1= : 4.3352224535641E-12
rpunto1: = 2703046.3949526
rduepunti0 : = -1.1562343844643E+25
fil : = 488.24824026931
fipunto1 : = 6.6371205593731E+17
fi_gradi : = 27974.563522121
t1 : = 1.0809195807746E-14
tpunto1 : = 1.0004484309799
tduepunti0 : = -8.124886592066E+14
v=v_elettrone : = 3949011.5362874
x0= : -1.1541464467096E-12
y0= : -4.1784386806064E-12
```