
Subject: Re: Reconstruction macro crash
Posted by [Elisa Fioravanti](#) on Mon, 23 May 2011 11:53:15 GMT
[View Forum Message](#) <> [Reply to Message](#)

Hello Lia,

unfortunately it is not working yet.
Here the log file

Thanks a lot
elisa

Found Tracks: 0 in event no. 2

PROBLEM HAS NO FEASIBLE SOLUTION
===== EVENT 2

stt + mvd track array 5

gem hits 8

***** PndSttMvdGemTracking::Reset *****

not assig 8 8

npositions/nhits 6 8

hit 0 @ 13.61 -26.95 116.4 1 1

11 0 0

hit 1 @ -4.861 21.76 116.4 1 1

11 1 0

hit 2 @ 12.97 -27.11 117.6 1 2

12 0 1

hit 3 @ -5.010 22.05 117.6 1 2

12 1 1

hit 4 @ -6.395 30.94 152.4 2 1

21 0 2

hit 5 @ -6.510 31.25 153.6 2 2

22 0 3

hit 6 @ -7.312 40.21 188.4 3 1

31 0 4

hit 7 @ -7.490 40.51 189.6 3 2

32 0 5

pos 0 1

pos 1 1

pos 2 1

pos 3 1

pos 4 1

pos 5 1

PRIMA iHit 7 detId 16(36)

PRIMA iHit 8 detId 16(36)

PRIMA iHit 9 detId 16(36)

PRIMA iHit 10 detId 16(36)

PRIMA iHit 11 detId 16(36)

PRIMA iHit 12 detId 16(36)

PRIMA iHit 13 detId 16(36)

PRIMA iHit 14 detId 16(36)

PRIMA iHit 15 detId 16(36)

PRIMA iHit 16 detId 16(36)
 PRIMA iHit 17 detId 16(36)
 PRIMA iHit 18 detId 16(36)
 PRIMA iHit 19 detId 16(36)
 PRIMA iHit 20 detId 16(36)
 PRIMA iHit 21 detId 16(36)
 PRIMA iHit 22 detId 16(36)
 PRIMA iHit 23 detId 16(36)
 PRIMA iHit 24 detId 16(36)
 PRIMA iHit 25 detId 16(36)
 PRIMA iHit 26 detId 16(36)
 PRIMA iHit 27 detId 16(36)
 PRIMA iHit 28 detId 16(36)
 PRIMA iHit 29 detId 16(36)
 PRIMA iHit 30 detId 16(36)
 PRIMA iHit 31 detId 16(36)
 PRIMA iHit 32 detId 16(36)
 start from
 TVector3 A 3D physics vector (x,y,z)=(39.336944,-5.623349,30.272836)
 (rho,theta,phi)=(49.954598,52.698661,-8.135506)
 lastpar error 0.02000 0.02000 1.000
 GET INITIAL PARAMS
 charge/xc/yc/radius 1 5.431 -102.4 102.8
 TVector3 A 3D physics vector (x,y,z)=(0.612841,-0.067291,0.466725)
 (rho,theta,phi)=(0.773263,52.873333,-6.266050)
 TVector3 A 3D physics vector (x,y,z)=(16.645778,-0.261378,12.602661)
 (rho,theta,phi)=(20.880070,52.873723,-0.899604)
 TVector3 A 3D physics vector (x,y,z)=(0.581943,-0.203581,0.466725)
 (rho,theta,phi)=(0.773263,52.873333,-19.281329)
 TVector3 A 3D physics vector (x,y,z)=(39.336944,-5.623349,30.272836)
 (rho,theta,phi)=(49.954598,52.698661,-8.135506)
 Phi0 93.04
 alpha1, Fi1 83.73 -9.302
 TVector2 A 2D physics vector (x,y)=(11.215131,102.140237)
 (rho,phi)=(102.754110,83.733950)
 alpha2, Fi2 70.69 -22.34
 TVector2 A 2D physics vector (x,y)=(33.906298,96.778265) (rho,phi)=(102.545939,70.692074)
 positions first/last
 TVector3 A 3D physics vector (x,y,z)=(16.645778,-0.261378,12.602661)
 (rho,theta,phi)=(20.880070,52.873723,-0.899604)
 TVector3 A 3D physics vector (x,y,z)=(39.336944,-5.623349,30.272836)
 (rho,theta,phi)=(49.954598,52.698661,-8.135506)
 scosfirst/scoslast 16.68 40.07
 fitm/fitp 0.7570 -0.04392
 z1/z2 12.58 30.29
 from prefit
 TVector3 A 3D physics vector (x,y,z)=(39.336944,-5.623349,30.272836)
 (rho,theta,phi)=(49.954598,52.698661,-8.135506)
 TVector3 A 3D physics vector (x,y,z)=(0.581943,-0.203581,0.466725)
 (rho,theta,phi)=(0.773263,52.873333,-19.281329)
 GET INITIAL PARAMS
 charge/xc/yc/radius 1 5.431 -102.4 102.8

TVector3 A 3D physics vector (x,y,z)=(0.612841,-0.067291,0.466725)
 (rho,theta,phi)=(0.773263,52.873333,-6.266050)
 TVector3 A 3D physics vector (x,y,z)=(16.645778,-0.261378,12.602661)
 (rho,theta,phi)=(20.880070,52.873723,-0.899604)
 TVector3 A 3D physics vector (x,y,z)=(0.581943,-0.203581,0.466725)
 (rho,theta,phi)=(0.773263,52.873333,-19.281329)
 TVector3 A 3D physics vector (x,y,z)=(39.336944,-5.623349,30.272836)
 (rho,theta,phi)=(49.954598,52.698661,-8.135506)
 Phi0 93.04
 alpha1, Fi1 83.73 -9.302
 TVector2 A 2D physics vector (x,y)=(11.215131,102.140237)
 (rho,phi)=(102.754110,83.733950)
 alpha2, Fi2 70.69 -22.34
 TVector2 A 2D physics vector (x,y)=(33.906298,96.778265) (rho,phi)=(102.545939,70.692074)
 positions first/last
 TVector3 A 3D physics vector (x,y,z)=(16.645778,-0.261378,12.602661)
 (rho,theta,phi)=(20.880070,52.873723,-0.899604)
 TVector3 A 3D physics vector (x,y,z)=(39.336944,-5.623349,30.272836)
 (rho,theta,phi)=(49.954598,52.698661,-8.135506)
 scosfirst/scoslast 16.68 40.07
 fitm/fitp 0.7570 -0.04392
 z1/z2 12.58 30.29
 OUT OF SENSOR 107.4 -89.38 45.00
 CANNOT PROPAGATE
 PRIMA iHit 34 detId 16(36)
 PRIMA iHit 35 detId 16(36)
 PRIMA iHit 36 detId 16(36)
 PRIMA iHit 37 detId 16(36)
 PRIMA iHit 38 detId 16(36)
 PRIMA iHit 39 detId 16(36)
 PRIMA iHit 40 detId 16(36)
 PRIMA iHit 41 detId 16(36)
 PRIMA iHit 42 detId 16(36)
 PRIMA iHit 43 detId 16(36)
 PRIMA iHit 44 detId 16(36)
 start from
 TVector3 A 3D physics vector (x,y,z)=(7.658246,39.033931,42.024698)
 (rho,theta,phi)=(57.865117,43.426841,78.899868)
 lastpar error 0.02000 0.02000 1.000
 GET INITIAL PARAMS
 charge/xc/yc/radius 1 48.19 10.82 49.39
 TVector3 A 3D physics vector (x,y,z)=(0.118913,0.271403,0.304146)
 (rho,theta,phi)=(0.424623,44.252380,66.339703)
 TVector3 A 3D physics vector (x,y,z)=(2.951562,30.638157,32.522297)
 (rho,theta,phi)=(44.778434,43.423421,84.497326)
 TVector3 A 3D physics vector (x,y,z)=(0.169301,0.243182,0.304146)
 (rho,theta,phi)=(0.424623,44.252380,55.154692)
 TVector3 A 3D physics vector (x,y,z)=(7.658246,39.033931,42.024698)
 (rho,theta,phi)=(57.865117,43.426841,78.899868)
 Phi0 -167.3
 alpha1, Fi1 156.3 -36.32
 TVector2 A 2D physics vector (x,y)=(-45.233866,19.818906)

```

(rho,phi)=(49.385136,156.339703)
alpha2, Fi2 145.2 -47.50
TVector2 A 2D physics vector (x,y)=(-40.527182,28.214680)
(rho,phi)=(49.381379,145.154692)
positions first/last
TVector3 A 3D physics vector (x,y,z)=(2.951562,30.638157,32.522297)
(rho,theta,phi)=(44.778434,43.423421,84.497326)
TVector3 A 3D physics vector (x,y,z)=(7.658246,39.033931,42.024698)
(rho,theta,phi)=(57.865117,43.426841,78.899868)
scosfirst/scoslast 31.30 40.94
fitm/fitp 1.026 0.1966
z1/z2 32.33 42.22
from prefit
TVector3 A 3D physics vector (x,y,z)=(7.658246,39.033931,42.024698)
(rho,theta,phi)=(57.865117,43.426841,78.899868)
TVector3 A 3D physics vector (x,y,z)=(0.169301,0.243182,0.304146)
(rho,theta,phi)=(0.424623,44.252380,55.154692)
GET INITIAL PARAMS
charge/xc/yc/radius 1 48.19 10.82 49.39
TVector3 A 3D physics vector (x,y,z)=(0.118913,0.271403,0.304146)
(rho,theta,phi)=(0.424623,44.252380,66.339703)
TVector3 A 3D physics vector (x,y,z)=(2.951562,30.638157,32.522297)
(rho,theta,phi)=(44.778434,43.423421,84.497326)
TVector3 A 3D physics vector (x,y,z)=(0.169301,0.243182,0.304146)
(rho,theta,phi)=(0.424623,44.252380,55.154692)
TVector3 A 3D physics vector (x,y,z)=(7.658246,39.033931,42.024698)
(rho,theta,phi)=(57.865117,43.426841,78.899868)
Phi0 -167.3
alpha1, Fi1 156.3 -36.32
TVector2 A 2D physics vector (x,y)=(-45.233866,19.818906)
(rho,phi)=(49.385136,156.339703)
alpha2, Fi2 145.2 -47.50
TVector2 A 2D physics vector (x,y)=(-40.527182,28.214680)
(rho,phi)=(49.381379,145.154692)
positions first/last
TVector3 A 3D physics vector (x,y,z)=(2.951562,30.638157,32.522297)
(rho,theta,phi)=(44.778434,43.423421,84.497326)
TVector3 A 3D physics vector (x,y,z)=(7.658246,39.033931,42.024698)
(rho,theta,phi)=(57.865117,43.426841,78.899868)
scosfirst/scoslast 31.30 40.94
fitm/fitp 1.026 0.1966
z1/z2 32.33 42.22
OUT OF SENSOR 71.88 54.15 45.00
CANNOT PROPAGATE
PRIMA iHit 78 detId 16(36)
PRIMA iHit 79 detId 16(36)
PRIMA iHit 80 detId 16(36)
PRIMA iHit 81 detId 16(36)
PRIMA iHit 82 detId 16(36)
PRIMA iHit 83 detId 16(36)
PRIMA iHit 84 detId 16(36)
PRIMA iHit 85 detId 16(36)

```

PRIMA iHit 86 detId 16(36)
 PRIMA iHit 87 detId 16(36)
 PRIMA iHit 88 detId 16(36)
 PRIMA iHit 89 detId 16(36)
 PRIMA iHit 90 detId 16(36)
 PRIMA iHit 91 detId 16(36)
 start from
 TVector3 A 3D physics vector (x,y,z)=(-3.239047,32.930172,25.146751)
 (rho,theta,phi)=(41.560158,52.766214,95.617604)
 lastpar error 0.02000 0.02000 1.000
 GET INITIAL PARAMS
 charge/xc/yc/radius 1 172.2 33.56 175.4
 TVector3 A 3D physics vector (x,y,z)=(-0.095240,1.048054,0.798584)
 (rho,theta,phi)=(1.321070,52.807272,95.192391)
 TVector3 A 3D physics vector (x,y,z)=(-2.470039,17.688995,13.561140)
 (rho,theta,phi)=(22.425569,52.791466,97.949212)
 TVector3 A 3D physics vector (x,y,z)=(-0.003766,1.052366,0.798584)
 (rho,theta,phi)=(1.321070,52.807272,90.205014)
 TVector3 A 3D physics vector (x,y,z)=(-3.239047,32.930172,25.146751)
 (rho,theta,phi)=(41.560158,52.766214,95.617604)
 Phi0 -169.0
 alpha1, Fi1 -174.8 -5.836
 TVector2 A 2D physics vector (x,y)=(-174.675718,-15.873347)
 (rho,phi)=(175.395466,185.192391)
 alpha2, Fi2 -179.8 -10.82
 TVector2 A 2D physics vector (x,y)=(-175.444726,-0.632171)
 (rho,phi)=(175.445865,180.206450)
 positions first/last
 TVector3 A 3D physics vector (x,y,z)=(-2.470039,17.688995,13.561140)
 (rho,theta,phi)=(22.425569,52.791466,97.949212)
 TVector3 A 3D physics vector (x,y,z)=(-3.239047,32.930172,25.146751)
 (rho,theta,phi)=(41.560158,52.766214,95.617604)
 scosfirst/scoslast 17.87 33.13
 fitm/fitp 0.7588 0.005572
 z1/z2 13.56 25.15
 from prefit
 TVector3 A 3D physics vector (x,y,z)=(-3.239047,32.930172,25.146751)
 (rho,theta,phi)=(41.560158,52.766214,95.617604)
 TVector3 A 3D physics vector (x,y,z)=(-0.003766,1.052366,0.798584)
 (rho,theta,phi)=(1.321070,52.807272,90.205014)
 GET INITIAL PARAMS
 charge/xc/yc/radius 1 172.2 33.56 175.4
 TVector3 A 3D physics vector (x,y,z)=(-0.095240,1.048054,0.798584)
 (rho,theta,phi)=(1.321070,52.807272,95.192391)
 TVector3 A 3D physics vector (x,y,z)=(-2.470039,17.688995,13.561140)
 (rho,theta,phi)=(22.425569,52.791466,97.949212)
 TVector3 A 3D physics vector (x,y,z)=(-0.003766,1.052366,0.798584)
 (rho,theta,phi)=(1.321070,52.807272,90.205014)
 TVector3 A 3D physics vector (x,y,z)=(-3.239047,32.930172,25.146751)
 (rho,theta,phi)=(41.560158,52.766214,95.617604)
 Phi0 -169.0
 alpha1, Fi1 -174.8 -5.836

TVector2 A 2D physics vector (x,y)=(-174.675718,-15.873347)
 (rho,phi)=(175.395466,185.192391)
 alpha2, Fi2 -179.8 -10.82
 TVector2 A 2D physics vector (x,y)=(-175.444726,-0.632171)
 (rho,phi)=(175.445865,180.206450)
 positions first/last
 TVector3 A 3D physics vector (x,y,z)=(-2.470039,17.688995,13.561140)
 (rho,theta,phi)=(22.425569,52.791466,97.949212)
 TVector3 A 3D physics vector (x,y,z)=(-3.239047,32.930172,25.146751)
 (rho,theta,phi)=(41.560158,52.766214,95.617604)
 scosfirst/scoslast 17.87 33.13
 fitm/fitp 0.7588 0.005572
 z1/z2 13.56 25.15
 OUT OF SENSOR 36.03 144.1 45.00
 CANNOT PROPAGATE
 PRIMA iHit 45 detId 16(36)
 PRIMA iHit 49 detId 16(36)
 PRIMA iHit 50 detId 16(36)
 PRIMA iHit 51 detId 16(36)
 PRIMA iHit 52 detId 16(36)
 PRIMA iHit 53 detId 16(36)
 PRIMA iHit 54 detId 16(36)
 PRIMA iHit 55 detId 16(36)
 PRIMA iHit 56 detId 16(36)
 PRIMA iHit 57 detId 16(36)
 PRIMA iHit 58 detId 16(36)
 PRIMA iHit 59 detId 16(36)
 PRIMA iHit 60 detId 16(36)
 PRIMA iHit 60 detId 16(36)
 PRIMA iHit 61 detId 16(36)
 PRIMA iHit 61 detId 16(36)
 PRIMA iHit 63 detId 16(36)
 PRIMA iHit 62 detId 16(36)
 PRIMA iHit 64 detId 16(36)
 PRIMA iHit 73 detId 16(36)
 PRIMA iHit 73 detId 16(36)
 PRIMA iHit 71 detId 16(36)
 PRIMA iHit 71 detId 16(36)
 PRIMA iHit 70 detId 16(36)
 PRIMA iHit 70 detId 16(36)
 PRIMA iHit 69 detId 16(36)
 PRIMA iHit 69 detId 16(36)
 PRIMA iHit 68 detId 16(36)
 PRIMA iHit 68 detId 16(36)
 TOO LOW MOMENTUM 3
 TVector3 A 3D physics vector (x,y,z)=(14.075058,-26.674008,-4.163533)
 (rho,theta,phi)=(30.445771,97.859966,-62.180759)
 TVector3 A 3D physics vector (x,y,z)=(-0.085107,-0.032588,0.000000)
 (rho,theta,phi)=(0.091133,90.000000,-159.047625)
 start from
 TVector3 A 3D physics vector (x,y,z)=(14.075058,-26.674008,-4.163533)
 (rho,theta,phi)=(30.445771,97.859966,-62.180759)


```

lastpar error 0.02000 0.02000 1.000
GET INITIAL PARAMS
charge/xc/yc/radius 1 8.608 -12.55 15.19
TVector3 A 3D physics vector (x,y,z)=(0.077671,-0.047670,0.000000)
(rho,theta,phi)=(0.091133,90.000000,-31.539509)
TVector3 A 3D physics vector (x,y,z)=(16.552964,0.397360,0.000000)
(rho,theta,phi)=(16.557733,90.000000,1.375141)
TVector3 A 3D physics vector (x,y,z)=(-0.085107,-0.032588,0.000000)
(rho,theta,phi)=(0.091133,90.000000,-159.047625)
TVector3 A 3D physics vector (x,y,z)=(14.075058,-26.674008,-4.163533)
(rho,theta,phi)=(30.445771,97.859966,-62.180759)
Phi0 124.5
alpha1, Fi1 58.46 -65.99
TVector2 A 2D physics vector (x,y)=(7.945068,12.945127) (rho,phi)=(15.188825,58.460491)
alpha2, Fi2 -68.84 -193.3
TVector2 A 2D physics vector (x,y)=(5.467162,-14.126241) (rho,phi)=(15.147295,291.157520)
positions first/last
TVector3 A 3D physics vector (x,y,z)=(16.552964,0.397360,0.000000)
(rho,theta,phi)=(16.557733,90.000000,1.375141)
TVector3 A 3D physics vector (x,y,z)=(14.075058,-26.674008,-4.163533)
(rho,theta,phi)=(30.445771,97.859966,-62.180759)
scosfirst/scoslast 17.49 51.24
fitm/fitp 6.020e-233 -2.082
z1/z2 -2.082 -2.082
from prefit
TVector3 A 3D physics vector (x,y,z)=(14.075058,-26.674008,-4.163533)
(rho,theta,phi)=(30.445771,97.859966,-62.180759)
TVector3 A 3D physics vector (x,y,z)=(-0.085107,-0.032588,0.000000)
(rho,theta,phi)=(0.091133,90.000000,-159.047625)
CANNOT PROPAGATE because z mom == 0
PRIMA iHit 0 detId 21(36)
PRIMA iHit 0 detId 16(36)
PRIMA iHit 1 detId 16(36)
PRIMA iHit 2 detId 16(36)
PRIMA iHit 3 detId 16(36)
PRIMA iHit 4 detId 16(36)
PRIMA iHit 5 detId 16(36)
PRIMA iHit 6 detId 16(36)
start from
TVector3 A 3D physics vector (x,y,z)=(-14.227059,-17.060906,-37.572720)
(rho,theta,phi)=(43.648517,149.406724,-129.824666)
lastpar error 0.02000 0.02000 1.000
GET INITIAL PARAMS
charge/xc/yc/radius -1 25.29 -35.64 43.65
TVector3 A 3D physics vector (x,y,z)=(-0.195921,-0.173846,-0.438422)
(rho,theta,phi)=(0.510706,149.144302,-138.416481)
TVector3 A 3D physics vector (x,y,z)=(-3.684079,-2.982659,-7.933721)
(rho,theta,phi)=(9.241895,149.143187,-141.006102)
TVector3 A 3D physics vector (x,y,z)=(-0.111425,-0.237048,-0.438422)
(rho,theta,phi)=(0.510706,149.144302,-115.175988)
TVector3 A 3D physics vector (x,y,z)=(-14.227059,-17.060906,-37.572720)
(rho,theta,phi)=(43.648517,149.406724,-129.824666)

```

Phi0 125.4
 alpha1, Fi1 131.6 6.221
 TVector2 A 2D physics vector (x,y)=(-28.974285,32.653436)
 (rho,phi)=(43.654966,131.583519)
 alpha2, Fi2 154.8 29.46
 TVector2 A 2D physics vector (x,y)=(-39.517265,18.575189)
 (rho,phi)=(43.665225,154.824012)
 positions first/last
 TVector3 A 3D physics vector (x,y,z)=(-3.684079,-2.982659,-7.933721)
 (rho,theta,phi)=(9.241895,149.143187,-141.006102)
 TVector3 A 3D physics vector (x,y,z)=(-14.227059,-17.060906,-37.572720)
 (rho,theta,phi)=(43.648517,149.406724,-129.824666)
 scosfirst/scoslast 4.740 22.45
 fitm/fitp -1.674 -1.310e-07
 z1/z2 -7.934 -37.57
 from prefit
 TVector3 A 3D physics vector (x,y,z)=(-14.227059,-17.060906,-37.572720)
 (rho,theta,phi)=(43.648517,149.406724,-129.824666)
 TVector3 A 3D physics vector (x,y,z)=(-0.111425,-0.237048,-0.438422)
 (rho,theta,phi)=(0.510706,149.144302,-115.175988)
 CANNOT PROPAGATE because z mom == 0
 FORBID MULTI ASSIGNED HITS : DELETING HITS
 hit 0 belongs to 0 tracks:
 hit 0 associated to 0 tracks
 hit 0 belongs to 0 tracks:
 hit 1 belongs to 0 tracks:
 hit 1 associated to 0 tracks
 hit 1 belongs to 0 tracks:
 hit 2 belongs to 0 tracks:
 hit 2 associated to 0 tracks
 hit 2 belongs to 0 tracks:
 hit 3 belongs to 0 tracks:
 hit 3 associated to 0 tracks
 hit 3 belongs to 0 tracks:
 hit 4 belongs to 0 tracks:
 hit 4 associated to 0 tracks
 hit 4 belongs to 0 tracks:
 hit 5 belongs to 0 tracks:
 hit 5 associated to 0 tracks
 hit 5 belongs to 0 tracks:
 hit 6 belongs to 0 tracks:
 hit 6 associated to 0 tracks
 hit 6 belongs to 0 tracks:
 hit 7 belongs to 0 tracks:
 hit 7 associated to 0 tracks
 hit 7 belongs to 0 tracks:
 ONLY ONE HIT FOR EACH TRACK : DELETING HITS
 track 0 has 0 hits:
 track 1 has 0 hits:
 track 2 has 0 hits:
 track 3 has 0 hits:
 track 4 has 0 hits:

ADD REMAINING HITS to 5 tracks

0 ITRK 0

track 0 has 0 hits:

missing position 0

hit 0 belongs to 0 tracks:

distance -1.000

hit 1 belongs to 0 tracks:

distance -1.000

missing position 1

hit 2 belongs to 0 tracks:

distance -1.000

hit 3 belongs to 0 tracks:

distance -1.000

missing position 2

hit 4 belongs to 0 tracks:

distance -1.000

missing position 3

hit 5 belongs to 0 tracks:

distance -1.000

missing position 4

hit 6 belongs to 0 tracks:

distance -1.000

missing position 5

hit 7 belongs to 0 tracks:

distance -1.000

1 ITRK 1

track 1 has 0 hits:

missing position 0

hit 0 belongs to 0 tracks:

distance -1.000

hit 1 belongs to 0 tracks:

distance -1.000

missing position 1

hit 2 belongs to 0 tracks:

distance -1.000

hit 3 belongs to 0 tracks:

distance -1.000

missing position 2

hit 4 belongs to 0 tracks:

distance -1.000

missing position 3

hit 5 belongs to 0 tracks:

distance -1.000

missing position 4

hit 6 belongs to 0 tracks:

distance -1.000

missing position 5

hit 7 belongs to 0 tracks:

distance -1.000

2 ITRK 2

track 2 has 0 hits:

missing position 0

hit 0 belongs to 0 tracks:
distance -1.000
hit 1 belongs to 0 tracks:
distance -1.000
missing position 1
hit 2 belongs to 0 tracks:
distance -1.000
hit 3 belongs to 0 tracks:
distance -1.000
missing position 2
hit 4 belongs to 0 tracks:
distance -1.000
missing position 3
hit 5 belongs to 0 tracks:
distance -1.000
missing position 4
hit 6 belongs to 0 tracks:
distance -1.000
missing position 5
hit 7 belongs to 0 tracks:
distance -1.000
3 ITRK 3
track 3 has 0 hits:
missing position 0
hit 0 belongs to 0 tracks:
distance -1.000
hit 1 belongs to 0 tracks:
distance -1.000
missing position 1
hit 2 belongs to 0 tracks:
distance -1.000
hit 3 belongs to 0 tracks:
distance -1.000
missing position 2
hit 4 belongs to 0 tracks:
distance -1.000
missing position 3
hit 5 belongs to 0 tracks:
distance -1.000
missing position 4
hit 6 belongs to 0 tracks:
distance -1.000
missing position 5
hit 7 belongs to 0 tracks:
distance -1.000
4 ITRK 4
track 4 has 0 hits:
missing position 0
hit 0 belongs to 0 tracks:
distance -1.000
hit 1 belongs to 0 tracks:
distance -1.000

missing position 1
 hit 2 belongs to 0 tracks:
 distance -1.000
 hit 3 belongs to 0 tracks:
 distance -1.000
 missing position 2
 hit 4 belongs to 0 tracks:
 distance -1.000
 missing position 3
 hit 5 belongs to 0 tracks:
 distance -1.000
 missing position 4
 hit 6 belongs to 0 tracks:
 distance -1.000
 missing position 5
 hit 7 belongs to 0 tracks:
 distance -1.000
 RETRACKING
 track 0 has 0 hits:
 TRK 0 has hits
 track 0 has 0 hits:
 start from
 TVector3 A 3D physics vector (x,y,z)=(39.336944,-5.623349,30.272836)
 (rho,theta,phi)=(49.954598,52.698661,-8.135506)
 lastpar error 0.02000 0.02000 1.000
 GET INITIAL PARAMS
 charge/xc/yc/radius 1 5.431 -102.4 102.8
 TVector3 A 3D physics vector (x,y,z)=(0.612841,-0.067291,0.466725)
 (rho,theta,phi)=(0.773263,52.873333,-6.266050)
 TVector3 A 3D physics vector (x,y,z)=(16.645778,-0.261378,12.602661)
 (rho,theta,phi)=(20.880070,52.873723,-0.899604)
 TVector3 A 3D physics vector (x,y,z)=(0.581943,-0.203581,0.466725)
 (rho,theta,phi)=(0.773263,52.873333,-19.281329)
 TVector3 A 3D physics vector (x,y,z)=(39.336944,-5.623349,30.272836)
 (rho,theta,phi)=(49.954598,52.698661,-8.135506)
 Phi0 93.04
 alpha1, Fi1 83.73 -9.302
 TVector2 A 2D physics vector (x,y)=(11.215131,102.140237)
 (rho,phi)=(102.754110,83.733950)
 alpha2, Fi2 70.69 -22.34
 TVector2 A 2D physics vector (x,y)=(33.906298,96.778265) (rho,phi)=(102.545939,70.692074)
 positions first/last
 TVector3 A 3D physics vector (x,y,z)=(16.645778,-0.261378,12.602661)
 (rho,theta,phi)=(20.880070,52.873723,-0.899604)
 TVector3 A 3D physics vector (x,y,z)=(39.336944,-5.623349,30.272836)
 (rho,theta,phi)=(49.954598,52.698661,-8.135506)
 scosfirst/scoslast 16.68 40.07
 fitm/fitp 0.7570 -0.04392
 z1/z2 12.58 30.29
 from prefit
 TVector3 A 3D physics vector (x,y,z)=(39.336944,-5.623349,30.272836)
 (rho,theta,phi)=(49.954598,52.698661,-8.135506)

TVector3 A 3D physics vector (x,y,z)=(0.581943,-0.203581,0.466725)
 (rho,theta,phi)=(0.773263,52.873333,-19.281329)
 track 0 has 0 hits:
 propagation from
 TVector3 A 3D physics vector (x,y,z)=(39.336944,-5.623349,30.272836)
 (rho,theta,phi)=(49.954598,52.698661,-8.135506)
 TVector3 A 3D physics vector (x,y,z)=(0.581943,-0.203581,0.466725)
 (rho,theta,phi)=(0.773263,52.873333,-19.281329)
 propagation to 1
 TVector3 A 3D physics vector (x,y,z)=(109.388855,-101.656815,116.380325)
 (rho,theta,phi)=(189.326199,52.069295,-42.901804)
 TVector3 A 3D physics vector (x,y,z)=(0.109619,-0.280480,0.176242)
 (rho,theta,phi)=(0.348922,59.661783,-68.653192)
 errors
 TVector3 A 3D physics vector (x,y,z)=(17.909337,27.884467,0.000000)
 (rho,theta,phi)=(33.140427,90.000000,57.288612)
 TVector3 A 3D physics vector (x,y,z)=(0.062246,0.031828,0.000000)
 (rho,theta,phi)=(0.069911,90.000000,27.082329)
 distance 121.5 err 22.22
 this hit 0 DOES NOT BELONG to this track 0!!!!!!!!!!!!!!
 errors
 TVector3 A 3D physics vector (x,y,z)=(17.909337,27.884467,0.000000)
 (rho,theta,phi)=(33.140427,90.000000,57.288612)
 TVector3 A 3D physics vector (x,y,z)=(0.050220,0.012553,0.000000)
 (rho,theta,phi)=(0.051765,90.000000,14.034551)
 distance 168.2 err 23.81
 this hit 1 DOES NOT BELONG to this track 0!!!!!!!!!!!!!!
 track 0 has 0 hits:
 propagation from
 TVector3 A 3D physics vector (x,y,z)=(39.336944,-5.623349,30.272836)
 (rho,theta,phi)=(49.954598,52.698661,-8.135506)
 TVector3 A 3D physics vector (x,y,z)=(0.581943,-0.203581,0.466725)
 (rho,theta,phi)=(0.773263,52.873333,-19.281329)
 propagation to 1
 TVector3 A 3D physics vector (x,y,z)=(110.195107,-103.612206,117.620674)
 (rho,theta,phi)=(191.606559,52.130462,-43.236481)
 TVector3 A 3D physics vector (x,y,z)=(0.109768,-0.252240,0.161626)
 (rho,theta,phi)=(0.319056,59.564029,-66.482651)
 errors
 TVector3 A 3D physics vector (x,y,z)=(18.810828,28.138254,0.000000)
 (rho,theta,phi)=(33.846841,90.000000,56.236702)
 TVector3 A 3D physics vector (x,y,z)=(0.015400,0.015400,0.000000)
 (rho,theta,phi)=(0.021778,90.000000,44.999982)
 distance 123.7 err 22.83
 this hit 2 DOES NOT BELONG to this track 0!!!!!!!!!!!!!!
 errors
 TVector3 A 3D physics vector (x,y,z)=(18.810828,28.138254,0.000000)
 (rho,theta,phi)=(33.846841,90.000000,56.236702)
 TVector3 A 3D physics vector (x,y,z)=(0.013818,0.013818,0.000000)
 (rho,theta,phi)=(0.019542,90.000000,44.999948)
 distance 170.5 err 24.33
 this hit 3 DOES NOT BELONG to this track 0!!!!!!!!!!!!!!

track 0 has 0 hits:
propagation from
TVector3 A 3D physics vector (x,y,z)=(39.336944,-5.623349,30.272836)
(rho,theta,phi)=(49.954598,52.698661,-8.135506)
TVector3 A 3D physics vector (x,y,z)=(0.581943,-0.203581,0.466725)
(rho,theta,phi)=(0.773263,52.873333,-19.281329)
propagation to 0
TVector3 A 3D physics vector (x,y,z)=(110.195107,-103.612206,117.620674)
(rho,theta,phi)=(191.606559,52.130462,-43.236481)
TVector3 A 3D physics vector (x,y,z)=(0.109768,-0.252240,0.161626)
(rho,theta,phi)=(0.319056,59.564029,-66.482651)
track 0 has 0 hits:
propagation from
TVector3 A 3D physics vector (x,y,z)=(39.336944,-5.623349,30.272836)
(rho,theta,phi)=(49.954598,52.698661,-8.135506)
TVector3 A 3D physics vector (x,y,z)=(0.581943,-0.203581,0.466725)
(rho,theta,phi)=(0.773263,52.873333,-19.281329)
propagation to 0
TVector3 A 3D physics vector (x,y,z)=(110.195107,-103.612206,117.620674)
(rho,theta,phi)=(191.606559,52.130462,-43.236481)
TVector3 A 3D physics vector (x,y,z)=(0.109768,-0.252240,0.161626)
(rho,theta,phi)=(0.319056,59.564029,-66.482651)
track 0 has 0 hits:
propagation from
TVector3 A 3D physics vector (x,y,z)=(39.336944,-5.623349,30.272836)
(rho,theta,phi)=(49.954598,52.698661,-8.135506)
TVector3 A 3D physics vector (x,y,z)=(0.581943,-0.203581,0.466725)
(rho,theta,phi)=(0.773263,52.873333,-19.281329)
propagation to 0
TVector3 A 3D physics vector (x,y,z)=(110.195107,-103.612206,117.620674)
(rho,theta,phi)=(191.606559,52.130462,-43.236481)
TVector3 A 3D physics vector (x,y,z)=(0.109768,-0.252240,0.161626)
(rho,theta,phi)=(0.319056,59.564029,-66.482651)
track 0 has 0 hits:
propagation from
TVector3 A 3D physics vector (x,y,z)=(39.336944,-5.623349,30.272836)
(rho,theta,phi)=(49.954598,52.698661,-8.135506)
TVector3 A 3D physics vector (x,y,z)=(0.581943,-0.203581,0.466725)
(rho,theta,phi)=(0.773263,52.873333,-19.281329)
propagation to 0
TVector3 A 3D physics vector (x,y,z)=(110.195107,-103.612206,117.620674)
(rho,theta,phi)=(191.606559,52.130462,-43.236481)
TVector3 A 3D physics vector (x,y,z)=(0.109768,-0.252240,0.161626)
(rho,theta,phi)=(0.319056,59.564029,-66.482651)
track 1 has 0 hits:
TRK 1 has hits
track 1 has 0 hits:
start from
TVector3 A 3D physics vector (x,y,z)=(7.658246,39.033931,42.024698)
(rho,theta,phi)=(57.865117,43.426841,78.899868)
lastpar error 0.02000 0.02000 1.000
GET INITIAL PARAMS

charge/xc/yc/radius 1 48.19 10.82 49.39
 TVector3 A 3D physics vector (x,y,z)=(0.118913,0.271403,0.304146)
 (rho,theta,phi)=(0.424623,44.252380,66.339703)
 TVector3 A 3D physics vector (x,y,z)=(2.951562,30.638157,32.522297)
 (rho,theta,phi)=(44.778434,43.423421,84.497326)
 TVector3 A 3D physics vector (x,y,z)=(0.169301,0.243182,0.304146)
 (rho,theta,phi)=(0.424623,44.252380,55.154692)
 TVector3 A 3D physics vector (x,y,z)=(7.658246,39.033931,42.024698)
 (rho,theta,phi)=(57.865117,43.426841,78.899868)
 Phi0 -167.3
 alpha1, Fi1 156.3 -36.32
 TVector2 A 2D physics vector (x,y)=(-45.233866,19.818906)
 (rho,phi)=(49.385136,156.339703)
 alpha2, Fi2 145.2 -47.50
 TVector2 A 2D physics vector (x,y)=(-40.527182,28.214680)
 (rho,phi)=(49.381379,145.154692)
 positions first/last
 TVector3 A 3D physics vector (x,y,z)=(2.951562,30.638157,32.522297)
 (rho,theta,phi)=(44.778434,43.423421,84.497326)
 TVector3 A 3D physics vector (x,y,z)=(7.658246,39.033931,42.024698)
 (rho,theta,phi)=(57.865117,43.426841,78.899868)
 scosfirst/scoslast 31.30 40.94
 fitm/fitp 1.026 0.1966
 z1/z2 32.33 42.22
 from prefit
 TVector3 A 3D physics vector (x,y,z)=(7.658246,39.033931,42.024698)
 (rho,theta,phi)=(57.865117,43.426841,78.899868)
 TVector3 A 3D physics vector (x,y,z)=(0.169301,0.243182,0.304146)
 (rho,theta,phi)=(0.424623,44.252380,55.154692)
 track 1 has 0 hits:
 propagation from
 TVector3 A 3D physics vector (x,y,z)=(7.658246,39.033931,42.024698)
 (rho,theta,phi)=(57.865117,43.426841,78.899868)
 TVector3 A 3D physics vector (x,y,z)=(0.169301,0.243182,0.304146)
 (rho,theta,phi)=(0.424623,44.252380,55.154692)
 propagation to 1
 TVector3 A 3D physics vector (x,y,z)=(51.847809,46.637611,99.342880)
 (rho,theta,phi)=(121.376563,35.068233,41.971691)
 TVector3 A 3D physics vector (x,y,z)=(-0.000136,-0.010934,0.009656)
 (rho,theta,phi)=(0.014588,48.552598,-90.713342)
 errors
 TVector3 A 3D physics vector (x,y,z)=(0.000000,0.000000,0.000000)
 (rho,theta,phi)=(0.000000,0.000000,0.000000)
 TVector3 A 3D physics vector (x,y,z)=(0.062246,0.031828,0.000000)
 (rho,theta,phi)=(0.069911,90.000000,27.082329)
 distance 82.93 err 0.04027
 this hit 0 DOES NOT BELONG to this track 1!!!!!!!!!!!!!!
 errors
 TVector3 A 3D physics vector (x,y,z)=(0.000000,0.000000,0.000000)
 (rho,theta,phi)=(0.000000,0.000000,0.000000)
 TVector3 A 3D physics vector (x,y,z)=(0.050220,0.012553,0.000000)
 (rho,theta,phi)=(0.051765,90.000000,14.034551)

distance 61.93 err 0.04626
 this hit 1 DOES NOT BELONG to this track 1!!!!!!!!!!!!!!
 track 1 has 0 hits:
 propagation from
 TVector3 A 3D physics vector (x,y,z)=(7.658246,39.033931,42.024698)
 (rho,theta,phi)=(57.865117,43.426841,78.899868)
 TVector3 A 3D physics vector (x,y,z)=(0.169301,0.243182,0.304146)
 (rho,theta,phi)=(0.424623,44.252380,55.154692)
 propagation to 1
 TVector3 A 3D physics vector (x,y,z)=(51.847809,46.637611,99.342880)
 (rho,theta,phi)=(121.376563,35.068233,41.971691)
 TVector3 A 3D physics vector (x,y,z)=(-0.000136,-0.010934,0.009656)
 (rho,theta,phi)=(0.014588,48.552598,-90.713342)
 errors
 TVector3 A 3D physics vector (x,y,z)=(0.000000,0.000000,0.000000)
 (rho,theta,phi)=(0.000000,0.000000,0.000000)
 TVector3 A 3D physics vector (x,y,z)=(0.015400,0.015400,0.000000)
 (rho,theta,phi)=(0.021778,90.000000,44.999982)
 distance 83.37 err 0.01540
 this hit 2 DOES NOT BELONG to this track 1!!!!!!!!!!!!!!
 errors
 TVector3 A 3D physics vector (x,y,z)=(0.000000,0.000000,0.000000)
 (rho,theta,phi)=(0.000000,0.000000,0.000000)
 TVector3 A 3D physics vector (x,y,z)=(0.013818,0.013818,0.000000)
 (rho,theta,phi)=(0.019542,90.000000,44.999948)
 distance 61.95 err 0.01382
 this hit 3 DOES NOT BELONG to this track 1!!!!!!!!!!!!!!
 track 1 has 0 hits:
 propagation from
 TVector3 A 3D physics vector (x,y,z)=(7.658246,39.033931,42.024698)
 (rho,theta,phi)=(57.865117,43.426841,78.899868)
 TVector3 A 3D physics vector (x,y,z)=(0.169301,0.243182,0.304146)
 (rho,theta,phi)=(0.424623,44.252380,55.154692)
 propagation to 1
 TVector3 A 3D physics vector (x,y,z)=(51.847809,46.637611,99.342880)
 (rho,theta,phi)=(121.376563,35.068233,41.971691)
 TVector3 A 3D physics vector (x,y,z)=(-0.000136,-0.010934,0.009656)
 (rho,theta,phi)=(0.014588,48.552598,-90.713342)
 errors
 TVector3 A 3D physics vector (x,y,z)=(0.000000,0.000000,0.000000)
 (rho,theta,phi)=(0.000000,0.000000,0.000000)
 TVector3 A 3D physics vector (x,y,z)=(0.071403,0.015804,0.000000)
 (rho,theta,phi)=(0.073131,90.000000,12.480485)
 distance 60.32 err 0.06906
 this hit 4 DOES NOT BELONG to this track 1!!!!!!!!!!!!!!
 track 1 has 0 hits:
 propagation from
 TVector3 A 3D physics vector (x,y,z)=(7.658246,39.033931,42.024698)
 (rho,theta,phi)=(57.865117,43.426841,78.899868)
 TVector3 A 3D physics vector (x,y,z)=(0.169301,0.243182,0.304146)
 (rho,theta,phi)=(0.424623,44.252380,55.154692)
 propagation to 1

TVector3 A 3D physics vector (x,y,z)=(51.847809,46.637611,99.342880)
 (rho,theta,phi)=(121.376563,35.068233,41.971691)
 TVector3 A 3D physics vector (x,y,z)=(-0.000136,-0.010934,0.009656)
 (rho,theta,phi)=(0.014588,48.552598,-90.713342)
 errors
 TVector3 A 3D physics vector (x,y,z)=(0.000000,0.000000,0.000000)
 (rho,theta,phi)=(0.000000,0.000000,0.000000)
 TVector3 A 3D physics vector (x,y,z)=(0.013659,0.013659,0.000000)
 (rho,theta,phi)=(0.019317,90.000000,44.999973)
 distance 60.35 err 0.01366
 this hit 5 DOES NOT BELONG to this track 1!!!!!!!!!!!!!!
 track 1 has 0 hits:
 propagation from
 TVector3 A 3D physics vector (x,y,z)=(7.658246,39.033931,42.024698)
 (rho,theta,phi)=(57.865117,43.426841,78.899868)
 TVector3 A 3D physics vector (x,y,z)=(0.169301,0.243182,0.304146)
 (rho,theta,phi)=(0.424623,44.252380,55.154692)
 propagation to 1
 TVector3 A 3D physics vector (x,y,z)=(51.847809,46.637611,99.342880)
 (rho,theta,phi)=(121.376563,35.068233,41.971691)
 TVector3 A 3D physics vector (x,y,z)=(-0.000136,-0.010934,0.009656)
 (rho,theta,phi)=(0.014588,48.552598,-90.713342)
 errors
 TVector3 A 3D physics vector (x,y,z)=(0.000000,0.000000,0.000000)
 (rho,theta,phi)=(0.000000,0.000000,0.000000)
 TVector3 A 3D physics vector (x,y,z)=(0.092802,0.017804,0.000000)
 (rho,theta,phi)=(0.094494,90.000000,10.859891)
 distance 59.51 err 0.09228
 this hit 6 DOES NOT BELONG to this track 1!!!!!!!!!!!!!!
 track 1 has 0 hits:
 propagation from
 TVector3 A 3D physics vector (x,y,z)=(7.658246,39.033931,42.024698)
 (rho,theta,phi)=(57.865117,43.426841,78.899868)
 TVector3 A 3D physics vector (x,y,z)=(0.169301,0.243182,0.304146)
 (rho,theta,phi)=(0.424623,44.252380,55.154692)
 propagation to 1
 TVector3 A 3D physics vector (x,y,z)=(51.847809,46.637611,99.342880)
 (rho,theta,phi)=(121.376563,35.068233,41.971691)
 TVector3 A 3D physics vector (x,y,z)=(-0.000136,-0.010934,0.009656)
 (rho,theta,phi)=(0.014588,48.552598,-90.713342)
 errors
 TVector3 A 3D physics vector (x,y,z)=(0.000000,0.000000,0.000000)
 (rho,theta,phi)=(0.000000,0.000000,0.000000)
 TVector3 A 3D physics vector (x,y,z)=(0.013454,0.013454,0.000000)
 (rho,theta,phi)=(0.019027,90.000000,44.999983)
 distance 59.65 err 0.01345
 this hit 7 DOES NOT BELONG to this track 1!!!!!!!!!!!!!!
 track 2 has 0 hits:
 TRK 2 has hits
 track 2 has 0 hits:
 start from
 TVector3 A 3D physics vector (x,y,z)=(-3.239047,32.930172,25.146751)

```

(rho,theta,phi)=(41.560158,52.766214,95.617604)
lastpar error 0.02000 0.02000 1.000
GET INITIAL PARAMS
charge/xc/yc/radius 1 172.2 33.56 175.4
TVector3 A 3D physics vector (x,y,z)=(-0.095240,1.048054,0.798584)
(rho,theta,phi)=(1.321070,52.807272,95.192391)
TVector3 A 3D physics vector (x,y,z)=(-2.470039,17.688995,13.561140)
(rho,theta,phi)=(22.425569,52.791466,97.949212)
TVector3 A 3D physics vector (x,y,z)=(-0.003766,1.052366,0.798584)
(rho,theta,phi)=(1.321070,52.807272,90.205014)
TVector3 A 3D physics vector (x,y,z)=(-3.239047,32.930172,25.146751)
(rho,theta,phi)=(41.560158,52.766214,95.617604)
Phi0 -169.0
alpha1, Fi1 -174.8 -5.836
TVector2 A 2D physics vector (x,y)=(-174.675718,-15.873347)
(rho,phi)=(175.395466,185.192391)
alpha2, Fi2 -179.8 -10.82
TVector2 A 2D physics vector (x,y)=(-175.444726,-0.632171)
(rho,phi)=(175.445865,180.206450)
positions first/last
TVector3 A 3D physics vector (x,y,z)=(-2.470039,17.688995,13.561140)
(rho,theta,phi)=(22.425569,52.791466,97.949212)
TVector3 A 3D physics vector (x,y,z)=(-3.239047,32.930172,25.146751)
(rho,theta,phi)=(41.560158,52.766214,95.617604)
scosfirst/scoslast 17.87 33.13
fitm/fitp 0.7588 0.005572
z1/z2 13.56 25.15
from prefit
TVector3 A 3D physics vector (x,y,z)=(-3.239047,32.930172,25.146751)
(rho,theta,phi)=(41.560158,52.766214,95.617604)
TVector3 A 3D physics vector (x,y,z)=(-0.003766,1.052366,0.798584)
(rho,theta,phi)=(1.321070,52.807272,90.205014)
track 2 has 0 hits:
propagation from
TVector3 A 3D physics vector (x,y,z)=(-3.239047,32.930172,25.146751)
(rho,theta,phi)=(41.560158,52.766214,95.617604)
TVector3 A 3D physics vector (x,y,z)=(-0.003766,1.052366,0.798584)
(rho,theta,phi)=(1.321070,52.807272,90.205014)
propagation to 1
TVector3 A 3D physics vector (x,y,z)=(34.779484,147.327423,116.380394)
(rho,theta,phi)=(190.943390,52.446491,76.717402)
TVector3 A 3D physics vector (x,y,z)=(0.346017,0.665074,0.542667)
(rho,theta,phi)=(0.925494,54.101258,62.513473)
errors
TVector3 A 3D physics vector (x,y,z)=(10.697629,14.211684,0.000000)
(rho,theta,phi)=(17.787951,90.000000,53.029951)
TVector3 A 3D physics vector (x,y,z)=(0.062246,0.031828,0.000000)
(rho,theta,phi)=(0.069911,90.000000,27.082329)
distance 175.6 err 14.17
this hit 0 DOES NOT BELONG to this track 2!!!!!!!!!!!!!!
errors
TVector3 A 3D physics vector (x,y,z)=(10.697629,14.211684,0.000000)

```

(rho,theta,phi)=(17.787951,90.000000,53.029951)
 TVector3 A 3D physics vector (x,y,z)=(0.050220,0.012553,0.000000)
 (rho,theta,phi)=(0.051765,90.000000,14.034551)
 distance 131.7 err 13.93
 this hit 1 DOES NOT BELONG to this track 2!!!!!!!!!!!!!!
 track 2 has 0 hits:
 propagation from
 TVector3 A 3D physics vector (x,y,z)=(-3.239047,32.930172,25.146751)
 (rho,theta,phi)=(41.560158,52.766214,95.617604)
 TVector3 A 3D physics vector (x,y,z)=(-0.003766,1.052366,0.798584)
 (rho,theta,phi)=(1.321070,52.807272,90.205014)
 propagation to 1
 TVector3 A 3D physics vector (x,y,z)=(35.569633,148.847336,117.620697)
 (rho,theta,phi)=(193.016467,52.455193,76.560231)
 TVector3 A 3D physics vector (x,y,z)=(0.345357,0.665298,0.542800)
 (rho,theta,phi)=(0.925487,54.090792,62.566105)
 errors
 TVector3 A 3D physics vector (x,y,z)=(10.881952,14.460671,0.000000)
 (rho,theta,phi)=(18.097731,90.000000,53.037787)
 TVector3 A 3D physics vector (x,y,z)=(0.015400,0.015400,0.000000)
 (rho,theta,phi)=(0.021778,90.000000,44.999982)
 distance 177.4 err 14.41
 this hit 2 DOES NOT BELONG to this track 2!!!!!!!!!!!!!!
 errors
 TVector3 A 3D physics vector (x,y,z)=(10.881952,14.460671,0.000000)
 (rho,theta,phi)=(18.097731,90.000000,53.037787)
 TVector3 A 3D physics vector (x,y,z)=(0.013818,0.013818,0.000000)
 (rho,theta,phi)=(0.019542,90.000000,44.999948)
 distance 133.1 err 14.17
 this hit 3 DOES NOT BELONG to this track 2!!!!!!!!!!!!!!
 track 2 has 0 hits:
 propagation from
 TVector3 A 3D physics vector (x,y,z)=(-3.239047,32.930172,25.146751)
 (rho,theta,phi)=(41.560158,52.766214,95.617604)
 TVector3 A 3D physics vector (x,y,z)=(-0.003766,1.052366,0.798584)
 (rho,theta,phi)=(1.321070,52.807272,90.205014)
 propagation to 1
 TVector3 A 3D physics vector (x,y,z)=(53.568882,195.713120,152.379898)
 (rho,theta,phi)=(253.757529,53.094707,74.692420)
 TVector3 A 3D physics vector (x,y,z)=(0.119079,0.409630,0.289707)
 (rho,theta,phi)=(0.515661,55.818519,73.790947)
 errors
 TVector3 A 3D physics vector (x,y,z)=(15.340002,24.316102,0.000000)
 (rho,theta,phi)=(28.750452,90.000000,57.753903)
 TVector3 A 3D physics vector (x,y,z)=(0.071403,0.015804,0.000000)
 (rho,theta,phi)=(0.073131,90.000000,12.480485)
 distance 175.3 err 23.44
 this hit 4 DOES NOT BELONG to this track 2!!!!!!!!!!!!!!
 track 2 has 0 hits:
 propagation from
 TVector3 A 3D physics vector (x,y,z)=(-3.239047,32.930172,25.146751)
 (rho,theta,phi)=(41.560158,52.766214,95.617604)

TVector3 A 3D physics vector (x,y,z)=(-0.003766,1.052366,0.798584)
 (rho,theta,phi)=(1.321070,52.807272,90.205014)
 propagation to 1
 TVector3 A 3D physics vector (x,y,z)=(54.070145,197.471130,153.620697)
 (rho,theta,phi)=(255.964346,53.118325,74.687001)
 TVector3 A 3D physics vector (x,y,z)=(0.111060,0.395401,0.278643)
 (rho,theta,phi)=(0.496304,55.844824,74.311025)
 errors
 TVector3 A 3D physics vector (x,y,z)=(15.487163,24.723584,0.000000)
 (rho,theta,phi)=(29.173752,90.000000,57.936455)
 TVector3 A 3D physics vector (x,y,z)=(0.013659,0.013659,0.000000)
 (rho,theta,phi)=(0.019317,90.000000,44.999973)
 distance 176.9 err 23.83
 this hit 5 DOES NOT BELONG to this track 2!!!!!!!!!!!!!!
 track 2 has 0 hits:
 propagation from
 TVector3 A 3D physics vector (x,y,z)=(-3.239047,32.930172,25.146751)
 (rho,theta,phi)=(41.560158,52.766214,95.617604)
 TVector3 A 3D physics vector (x,y,z)=(-0.003766,1.052366,0.798584)
 (rho,theta,phi)=(1.321070,52.807272,90.205014)
 propagation to 1
 TVector3 A 3D physics vector (x,y,z)=(63.498352,249.593292,188.380295)
 (rho,theta,phi)=(319.086176,53.816422,75.726339)
 TVector3 A 3D physics vector (x,y,z)=(0.021472,0.189274,0.120476)
 (rho,theta,phi)=(0.225388,57.688318,83.527658)
 errors
 TVector3 A 3D physics vector (x,y,z)=(21.274604,40.118090,0.000000)
 (rho,theta,phi)=(45.410020,90.000000,62.063015)
 TVector3 A 3D physics vector (x,y,z)=(0.092802,0.017804,0.000000)
 (rho,theta,phi)=(0.094494,90.000000,10.859891)
 distance 221.0 err 38.61
 this hit 6 DOES NOT BELONG to this track 2!!!!!!!!!!!!!!
 track 2 has 0 hits:
 propagation from
 TVector3 A 3D physics vector (x,y,z)=(-3.239047,32.930172,25.146751)
 (rho,theta,phi)=(41.560158,52.766214,95.617604)
 TVector3 A 3D physics vector (x,y,z)=(-0.003766,1.052366,0.798584)
 (rho,theta,phi)=(1.321070,52.807272,90.205014)
 propagation to 1
 TVector3 A 3D physics vector (x,y,z)=(63.719429,251.542023,189.620697)
 (rho,theta,phi)=(321.386937,53.842461,75.785120)
 TVector3 A 3D physics vector (x,y,z)=(0.021472,0.189269,0.120473)
 (rho,theta,phi)=(0.225383,57.688319,83.527659)
 errors
 TVector3 A 3D physics vector (x,y,z)=(21.580934,40.766158,0.000000)
 (rho,theta,phi)=(46.126092,90.000000,62.103991)
 TVector3 A 3D physics vector (x,y,z)=(0.013454,0.013454,0.000000)
 (rho,theta,phi)=(0.019027,90.000000,44.999983)
 distance 222.7 err 39.24
 this hit 7 DOES NOT BELONG to this track 2!!!!!!!!!!!!!!
 track 3 has 0 hits:
 TRK 3 has hits


```

track 3 has 0 hits:
start from
TVector3 A 3D physics vector (x,y,z)=(14.075058,-26.674008,-4.163533)
(rho,theta,phi)=(30.445771,97.859966,-62.180759)
lastpar error 0.02000 0.02000 1.000
GET INITIAL PARAMS
charge/xc/yc/radius 1 8.608 -12.55 15.19
TVector3 A 3D physics vector (x,y,z)=(0.077671,-0.047670,0.000000)
(rho,theta,phi)=(0.091133,90.000000,-31.539509)
TVector3 A 3D physics vector (x,y,z)=(16.552964,0.397360,0.000000)
(rho,theta,phi)=(16.557733,90.000000,1.375141)
TVector3 A 3D physics vector (x,y,z)=(-0.085107,-0.032588,0.000000)
(rho,theta,phi)=(0.091133,90.000000,-159.047625)
TVector3 A 3D physics vector (x,y,z)=(14.075058,-26.674008,-4.163533)
(rho,theta,phi)=(30.445771,97.859966,-62.180759)
Phi0 124.5
alpha1, Fi1 58.46 -65.99
TVector2 A 2D physics vector (x,y)=(7.945068,12.945127) (rho,phi)=(15.188825,58.460491)
alpha2, Fi2 -68.84 -193.3
TVector2 A 2D physics vector (x,y)=(5.467162,-14.126241) (rho,phi)=(15.147295,291.157520)
positions first/last
TVector3 A 3D physics vector (x,y,z)=(16.552964,0.397360,0.000000)
(rho,theta,phi)=(16.557733,90.000000,1.375141)
TVector3 A 3D physics vector (x,y,z)=(14.075058,-26.674008,-4.163533)
(rho,theta,phi)=(30.445771,97.859966,-62.180759)
scosfirst/scoslast 17.49 51.24
fitm/fitp 6.020e-233 -2.082
z1/z2 -2.082 -2.082
from prefit
TVector3 A 3D physics vector (x,y,z)=(14.075058,-26.674008,-4.163533)
(rho,theta,phi)=(30.445771,97.859966,-62.180759)
TVector3 A 3D physics vector (x,y,z)=(-0.085107,-0.032588,0.000000)
(rho,theta,phi)=(0.091133,90.000000,-159.047625)
track 3 has 0 hits:
propagation from
TVector3 A 3D physics vector (x,y,z)=(14.075058,-26.674008,-4.163533)
(rho,theta,phi)=(30.445771,97.859966,-62.180759)
TVector3 A 3D physics vector (x,y,z)=(-0.085107,-0.032588,0.000000)
(rho,theta,phi)=(0.091133,90.000000,-159.047625)

```

```

*** Break *** floating point exception
Generating stack trace...
0xb0e9a6c7 in ertch_ + 0xd93 from
/home/fioravanti/fairsoft/transport/geant3/lib/tgt_linux/libgeant321.so
0xb0e9c4a5 in ertgo_ + 0xf29 from
/home/fioravanti/fairsoft/transport/geant3/lib/tgt_linux/libgeant321.so
0xb0e998b9 in ertrak_ + 0xc15 from
/home/fioravanti/fairsoft/transport/geant3/lib/tgt_linux/libgeant321.so
0xb0f7b450 in TGeant3::Ertrak(float const*, float const*, float const*, float const*, int, char
const*) + 0x62 from /home/fioravanti/fairsoft/transport/geant3/lib/tgt_linux/libgeant321.so
0x0291708a in FairGeanePro::Propagate(int) at
/home/fioravanti/fairsoft/pandaroot/geane/FairGeanePro.cxx:327 from

```



```

/home/fioravanti/fairsoft/buildPanda/lib/libGeane.so
0x02917c71 in FairGeanePro::Propagate(FairTrackParP*, FairTrackParP*, int) at
/home/fioravanti/fairsoft/pandaroot/geane/FairGeanePro.cxx:275 from
/home/fioravanti/fairsoft/buildPanda/lib/libGeane.so
0x04c5df03 in PndSttMvdGemTracking::PropagateToGemPlane(FairTrackParP*,
FairTrackParP*, int) at
/home/fioravanti/fairsoft/pandaroot/sttmvdtracking/PndSttMvdGemTracking. cxx:956 from
/home/fioravanti/fairsoft/buildPanda/lib/libSttMvdTracking.so
0x04c60a10 in PndSttMvdGemTracking::Retrack() at
/home/fioravanti/fairsoft/pandaroot/sttmvdtracking/PndSttMvdGemTracking. cxx:1442 from
/home/fioravanti/fairsoft/buildPanda/lib/libSttMvdTracking.so
0x04c64dc1 in PndSttMvdGemTracking::Exec(char const*) at
/home/fioravanti/fairsoft/pandaroot/sttmvdtracking/PndSttMvdGemTracking. cxx:654 from
/home/fioravanti/fairsoft/buildPanda/lib/libSttMvdTracking.so
0x0027e9e8 in TTask::ExecuteTasks(char const*) + 0x108 from
/home/fioravanti/fairsoft/tools/root/lib/libCore.so.5.29
0x0027e3d9 in TTask::ExecuteTask(char const*) + 0x159 from
/home/fioravanti/fairsoft/tools/root/lib/libCore.so.5.29
0x03265386 in FairRunAna::Run(int, int) at
/home/fioravanti/fairsoft/pandaroot/base/FairRunAna.cxx:273 from
/home/fioravanti/fairsoft/buildPanda/lib/libBase.so
0x032c3f88 in <unknown> from /home/fioravanti/fairsoft/buildPanda/lib/libBase.so
0x00fd1d7a in Cint::G__ExceptionWrapper(int (*)(G__value*, char const*, G__param*, int),
G__value*, char*, G__param*, int) + 0x6a from
/home/fioravanti/fairsoft/tools/root/lib/libCint.so.5.29
0x0108c786 in G__execute_call + 0x56 from
/home/fioravanti/fairsoft/tools/root/lib/libCint.so.5.29
0x01090d3d in G__call_cppfunc + 0x26d from
/home/fioravanti/fairsoft/tools/root/lib/libCint.so.5.29
0x01063628 in G__interpret_func + 0x1458 from
/home/fioravanti/fairsoft/tools/root/lib/libCint.so.5.29
0x01050cf8 in G__getfunction at func.cxx:0 from
/home/fioravanti/fairsoft/tools/root/lib/libCint.so.5.29
0x0115191c in G__getstructmem(int, G__FastAllocString&, char*, int, char*, int*,
G__var_array*, int) + 0x5fc from /home/fioravanti/fairsoft/tools/root/lib/libCint.so.5.29
0x01147708 in G__getvariable at var.cxx:0 from
/home/fioravanti/fairsoft/tools/root/lib/libCint.so.5.29
0x01024f41 in G__getitem at expr.cxx:0 from
/home/fioravanti/fairsoft/tools/root/lib/libCint.so.5.29
0x0102e9a9 in G__getexpr at expr.cxx:0 from
/home/fioravanti/fairsoft/tools/root/lib/libCint.so.5.29
0x010c238f in G__exec_statement at parse.cxx:0 from
/home/fioravanti/fairsoft/tools/root/lib/libCint.so.5.29
0x0100f78b in <unknown> from /home/fioravanti/fairsoft/tools/root/lib/libCint.so.5.29
0x0100fac6 in G__exec_tempfile + 0x16 from
/home/fioravanti/fairsoft/tools/root/lib/libCint.so.5.29
0x010d3c26 in G__process_cmd at pause.cxx:0 from
/home/fioravanti/fairsoft/tools/root/lib/libCint.so.5.29
0x002bb6d3 in TCint::ProcessLine(char const*, TInterpreter::EErrorCode*) + 0x3c3 from
/home/fioravanti/fairsoft/tools/root/lib/libCore.so.5.29
0x002bb2ef in TCint::ProcessLineSynch(char const*, TInterpreter::EErrorCode*) + 0x9f from
/home/fioravanti/fairsoft/tools/root/lib/libCore.so.5.29

```

0x002046c2 in TApplication::ExecuteFile(char const*, int*, bool) + 0x752 from
/home/fioravanti/fairsoft/tools/root/lib/libCore.so.5.29
0x00204c5c in TApplication::ProcessFile(char const*, int*, bool) + 0x2c from
/home/fioravanti/fairsoft/tools/root/lib/libCore.so.5.29
0x002015eb in TApplication::ProcessLine(char const*, bool, int*) + 0x86b from
/home/fioravanti/fairsoft/tools/root/lib/libCore.so.5.29
0x00a5b8c4 in TRint::Run(bool) + 0x2e4 from
/home/fioravanti/fairsoft/tools/root/lib/libRint.so.5.29
0x08048d93 in main + 0x83 from /home/fioravanti/fairsoft/tools/root/bin/root.exe
0x00ba5e9c in __libc_start_main + 0xdc from /lib/libc.so.6
0x08048bf1 in __gxx_personality_v0 + 0x65 from
/home/fioravanti/fairsoft/tools/root/bin/root.exe
Root >
