Subject: Re: Reconstruction macro crash
Posted by Elisa Fioravanti on Sat, 21 May 2011 15:43:32 GMT
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Hello Lia,

sorry for the delay in my answer but I'm travelling (and my flight was post-poned on this afternoon).
So I update my sttmvdtracking directory, and I rerun the reco in verbose mode.
Here you can see the log file. The crash is in the event number 2, but I post also the log file about the event number 1, so you can compare the two events.

Thanks a lot
Elisa

Found Tracks: 2 in event no. 1

========== EVENT 1
stt + mvd track array 2
gem hits 6
******* PndSttMvdGemTracking::Reset *******
not assig 6 6
npositions/nhits 6 6
hit 0 @ -31.20 -21.33 116.4 1 1
11 0 0
hit 1 @ -31.55 -21.51 117.6 1 2
12 0 1
hit 2 @ -41.68 -26.57 152.4 2 1
21 0 2
hit 3 @ -41.97 -26.87 153.6 2 2
22 0 3
hit 4 @ -52.23 -31.57 188.4 3 1
31 0 4
hit 5 @ -52.51 -31.91 189.6 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 0 detId 21(36)
PRIMA iHit 1 detId 21(36)
PRIMA iHit 0 detId 23(36)
PRIMA iHit 1 detId 23(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)
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)
start from
TVector3 A 3D physics vector (x,y,z)=(27.493812,28.485022,13.169421)
(rho,theta,phi)=(41.722175,71.600207,46.014423)
lastpar error 0.02000 0.02000 1.000
GET INITIAL PARAMS
charge/xc/yc/radius -1 -131.2 154.3 202.5
TVector3 A 3D physics vector (x,y,z)=(0.914593,0.800286,0.403600)
(rho,theta,phi)=(1.280559,71.628634,41.186545)
TVector3 A 3D physics vector (x,y,z)=(2.140019,1.838233,0.935000)
(rho,theta,phi)=(2.972038,71.663396,40.661909)
TVector3 A 3D physics vector (x,y,z)=(0.754780,0.952495,0.403600)
(rho,theta,phi)=(1.280559,71.628634,51.605833)
TVector3 A 3D physics vector (x,y,z)=(27.493812,28.485022,13.169421)
(rho,theta,phi)=(41.722175,71.600207,46.014423)
Phi0 -49.61
alpha1, Fi1 -48.81 0.7980
TVector2 A 2D physics vector (x,y)=(133.381074,-152.432183)
(rho,phi)=(202.548961,311.186545)
alpha2, Fi2 -38.39 11.22
TVector2 A 2D physics vector (x,y)=(158.734867,-125.785394)
(rho,phi)=(202.530796,321.605833)
positions first/last
TVector3 A 3D physics vector (x,y,z)=(2.140019,1.838233,0.935000)
(rho,theta,phi)=(2.972038,71.663396,40.661909)
TVector3 A 3D physics vector (x,y,z)=(27.493812,28.485022,13.169421)
(rho,theta,phi)=(41.722175,71.600207,46.014423)
scosfirst/scoslast 2.821 39.65
fitm/fitp 0.3321 -0.0009598
z1/z2 0.9360 13.17
GET INITIAL PARAMS
charge/xc/yc/radius -1 -131.2 154.3 202.5
TVector3 A 3D physics vector (x,y,z)=(0.914593,0.800286,0.403600)
(rho,theta,phi)=(1.280559,71.628634,41.186545)
TVector3 A 3D physics vector (x,y,z)=(2.140019,1.838233,0.935000)

(rho,theta,phi)=(2.972038,71.663396,40.661909)
TVector3 A 3D physics vector (x,y,z)=(0.754780,0.952495,0.403600)
(rho,theta,phi)=(1.280559,71.628634,51.605833)
TVector3 A 3D physics vector (x,y,z)=(27.493812,28.485022,13.169421)
(rho,theta,phi)=(41.722175,71.600207,46.014423)
Phi0 -49.61
alpha1, Fi1 -48.81 0.7980
TVector2 A 2D physics vector (x,y)=(133.381074,-152.432183)
(rho,phi)=(202.548961,311.186545)
alpha2, Fi2 -38.39 11.22
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TVector3 A 3D physics vector (x,y,z)=(27.493812,28.485022,13.169421)
(rho,theta,phi)=(41.722175,71.600207,46.014423)
scosfirst/scoslast 2.821 39.65
fitm/fitp 0.3321 -0.0009598
z1/z2 0.9360 13.17
OUT OF SENSOR 0.2538 308.3 45.00
 CANNOT PROPAGATE
PRIMA iHit 2 detId 21(36)
PRIMA iHit 3 detId 21(36)
PRIMA iHit 4 detId 21(36)
PRIMA iHit 5 detId 21(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)
PRIMA iHit 33 detId 16(36)
PRIMA iHit 34 detId 16(36)
PRIMA iHit 36 detId 16(36)
PRIMA iHit 35 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)
start from
TVector3 A 3D physics vector (x,y,z)=(-28.076680,-19.600158,106.400971)
(rho,theta,phi)=(111.774921,17.838888,-145.081343)
lastpar error 0.02000 0.02000 1.000
GET INITIAL PARAMS
charge/xc/yc/radius 1 -124.2 148.0 193.2
TVector3 A 3D physics vector (x,y,z)=(-0.896954,-0.734516,3.558927)
(rho,theta,phi)=(3.742994,18.043120,-140.685918)
TVector3 A 3D physics vector (x,y,z)=(-1.745000,-1.457119,6.980000)

(rho,theta,phi)=(7.340887,18.040325,-140.137272)
TVector3 A 3D physics vector (x,y,z)=(-1.005812,-0.576526,3.558927)
(rho,theta,phi)=(3.742994,18.043120,-150.178888)
TVector3 A 3D physics vector (x,y,z)=(-28.076680,-19.600158,106.400971)
(rho,theta,phi)=(111.774921,17.838888,-145.081343)
Phi0 -50.01
alpha1, Fi1 -50.69 -0.6741
TVector2 A 2D physics vector (x,y)=(122.419376,-149.492275)
(rho,phi)=(193.221231,309.314082)
alpha2, Fi2 -60.18 -10.17
TVector2 A 2D physics vector (x,y)=(96.087696,-167.635315)
(rho,phi)=(193.221231,299.821112)
positions first/last
TVector3 A 3D physics vector (x,y,z)=(-1.745000,-1.457119,6.980000)
(rho,theta,phi)=(7.340887,18.040325,-140.137272)
TVector3 A 3D physics vector (x,y,z)=(-28.076680,-19.600158,106.400971)
(rho,theta,phi)=(111.774921,17.838888,-145.081343)
scosfirst/scoslast 2.273 34.29
fitm/fitp 3.070 0.5735
z1/z2 7.553 105.8
GET INITIAL PARAMS
charge/xc/yc/radius 1 -124.2 148.0 193.2
TVector3 A 3D physics vector (x,y,z)=(-0.896954,-0.734516,3.558927)
(rho,theta,phi)=(3.742994,18.043120,-140.685918)
TVector3 A 3D physics vector (x,y,z)=(-1.745000,-1.457119,6.980000)
(rho,theta,phi)=(7.340887,18.040325,-140.137272)
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alpha1, Fi1 -50.69 -0.6741
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(rho,phi)=(193.221231,309.314082)
alpha2, Fi2 -60.18 -10.17
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(rho,theta,phi)=(7.340887,18.040325,-140.137272)
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(rho,theta,phi)=(111.774921,17.838888,-145.081343)
scosfirst/scoslast 2.273 34.29
fitm/fitp 3.070 0.5735
z1/z2 7.553 105.8
propagation from
TVector3 A 3D physics vector (x,y,z)=(-20.053042,-14.746117,76.461423)
(rho,theta,phi)=(80.410954,18.032115,-143.670888)
propagation to 1
TVector3 A 3D physics vector (x,y,z)=(-31.229034,-21.389133,116.380302)
(rho,theta,phi)=(122.381054,18.016653,-145.592297)
errors

TVector3 A 3D physics vector (x,y,z)=(1.193592,0.888566,0.000000)
(rho,theta,phi)=(1.488023,90.000000,36.665727)
TVector3 A 3D physics vector (x,y,z)=(0.049441,0.072073,0.000000)
(rho,theta,phi)=(0.087401,90.000000,55.550681)
distance 0.07019 err 0.9483
this hit 0 BELONGS to this track 1!!!!!!!!!!!!!
assign 0 to track 1
ADD HIT 0 TO TRK 1
propagation from
TVector3 A 3D physics vector (x,y,z)=(-31.229034,-21.389133,116.380302)
(rho,theta,phi)=(122.381054,18.016653,-145.592297)
propagation to 1
TVector3 A 3D physics vector (x,y,z)=(-31.582960,-21.583942,117.620697)
(rho,theta,phi)=(123.684996,18.016070,-145.651116)
errors
TVector3 A 3D physics vector (x,y,z)=(1.213402,0.906234,0.000000)
(rho,theta,phi)=(1.514466,90.000000,36.754354)
TVector3 A 3D physics vector (x,y,z)=(0.016045,0.016045,0.000000)
(rho,theta,phi)=(0.022691,90.000000,45.000006)
distance 0.08096 err 0.9641
this hit 1 BELONGS to this track 1!!!!!!!!!!!!!
assign 1 to track 1
ADD HIT 1 TO TRK 1
propagation from
TVector3 A 3D physics vector (x,y,z)=(-31.582960,-21.583942,117.620697)
(rho,theta,phi)=(123.684996,18.016070,-145.651116)
propagation to 1
TVector3 A 3D physics vector (x,y,z)=(-41.623573,-26.795818,152.378326)
(rho,theta,phi)=(160.217640,17.997343,-147.227965)
errors
TVector3 A 3D physics vector (x,y,z)=(1.852860,1.438597,0.000000)
(rho,theta,phi)=(2.345773,90.000000,37.826459)
TVector3 A 3D physics vector (x,y,z)=(0.061517,0.096236,0.000000)
(rho,theta,phi)=(0.114217,90.000000,57.412042)
distance 0.2290 err 1.471
this hit 2 BELONGS to this track 1!!!!!!!!!!!!!
assign 2 to track 1
ADD HIT 2 TO TRK 1
propagation from
TVector3 A 3D physics vector (x,y,z)=(-41.623573,-26.795818,152.378326)
(rho,theta,phi)=(160.217640,17.997343,-147.227965)
propagation to 1
TVector3 A 3D physics vector (x,y,z)=(-41.985252,-26.974335,153.618729)
(rho,theta,phi)=(161.521175,17.996599,-147.280405)
errors
TVector3 A 3D physics vector (x,y,z)=(1.877646,1.458302,0.000000)
(rho,theta,phi)=(2.377435,90.000000,37.835237)
TVector3 A 3D physics vector (x,y,z)=(0.015951,0.015951,0.000000)
(rho,theta,phi)=(0.022558,90.000000,45.000004)
distance 0.1054 err 1.468
this hit 3 BELONGS to this track 1!!!!!!!!!!!!!
assign 3 to track 1

ADD HIT 3 TO TRK 1
propagation from
TVector3 A 3D physics vector (x,y,z)=(-41.985252,-26.974335,153.618729)
(rho,theta,phi)=(161.521175,17.996599,-147.280405)
propagation to 1
TVector3 A 3D physics vector (x,y,z)=(-52.153393,-31.861879,188.378494)
(rho,theta,phi)=(198.044472,17.974697,-148.578145)
errors
TVector3 A 3D physics vector (x,y,z)=(2.597507,2.017544,0.000000)
(rho,theta,phi)=(3.289001,90.000000,37.837321)
TVector3 A 3D physics vector (x,y,z)=(0.073012,0.120576,0.000000)
(rho,theta,phi)=(0.140958,90.000000,58.803741)
distance 0.3060 err 2.067
this hit 4 BELONGS to this track 1!!!!!!!!!!!!
assign 4 to track 1
ADD HIT 4 TO TRK 1
propagation from
TVector3 A 3D physics vector (x,y,z)=(-52.153393,-31.861879,188.378494)
(rho,theta,phi)=(198.044472,17.974697,-148.578145)
propagation to 1
TVector3 A 3D physics vector (x,y,z)=(-52.516422,-32.033981,189.618896)
(rho,theta,phi)=(199.347627,17.973905,-148.617633)
errors
TVector3 A 3D physics vector (x,y,z)=(2.623816,2.037672,0.000000)
(rho,theta,phi)=(3.322125,90.000000,37.833134)
TVector3 A 3D physics vector (x,y,z)=(0.015864,0.015864,0.000000)
(rho,theta,phi)=(0.022436,90.000000,45.000003)
distance 0.1241 err 2.040
this hit 5 BELONGS to this track 1!!!!!!!!!!!!
assign 5 to track 1
ADD HIT 5 TO TRK 1
track 1 has 6 hits: 0 1 2 3 4 5
FORBID MULTI ASSIGNED HITS : DELETING HITS
hit 0 belongs to 1 tracks: 1
hit 0 associated to 1 tracks
hit 0 belongs to 1 tracks: 1
hit 1 belongs to 1 tracks: 1
hit 1 associated to 1 tracks
hit 1 belongs to 1 tracks: 1
hit 2 belongs to 1 tracks: 1
hit 2 associated to 1 tracks
hit 2 belongs to 1 tracks: 1
hit 3 belongs to 1 tracks: 1
hit 3 associated to 1 tracks
hit 3 belongs to 1 tracks: 1
hit 4 belongs to 1 tracks: 1
hit 4 associated to 1 tracks
hit 4 belongs to 1 tracks: 1
hit 5 belongs to 1 tracks: 1
hit 5 associated to 1 tracks
hit 5 belongs to 1 tracks: 1
ONLY ONE HIT FOR EACH TRACK : DELETING HITS

track 0 has 0 hits:
track 1 has 6 hits: 0 1 2 3 4 5
ADD REMAINING HITS to 2 tracks
0 ITRK 0
track 0 has 0 hits:
missing position 0
hit 0 belongs to 1 tracks: 1
missing position 1
hit 1 belongs to 1 tracks: 1
missing position 2
hit 2 belongs to 1 tracks: 1
missing position 3
hit 3 belongs to 1 tracks: 1
missing position 4
hit 4 belongs to 1 tracks: 1
missing position 5
hit 5 belongs to 1 tracks: 1
1 ITRK 1
track 1 has 6 hits: 0 1 2 3 4 5
all pos filled
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)=(27.493812,28.485022,13.169421)
(rho,theta,phi)=(41.722175,71.600207,46.014423)
lastpar error 0.02000 0.02000 1.000
GET INITIAL PARAMS
charge/xc/yc/radius -1 -131.2 154.3 202.5
TVector3 A 3D physics vector (x,y,z)=(0.914593,0.800286,0.403600)
(rho,theta,phi)=(1.280559,71.628634,41.186545)
TVector3 A 3D physics vector (x,y,z)=(2.140019,1.838233,0.935000)
(rho,theta,phi)=(2.972038,71.663396,40.661909)
TVector3 A 3D physics vector (x,y,z)=(0.754780,0.952495,0.403600)
(rho,theta,phi)=(1.280559,71.628634,51.605833)
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(rho,theta,phi)=(41.722175,71.600207,46.014423)
Phi0 -49.61
alpha1, Fi1 -48.81 0.7980
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(rho,phi)=(202.548961,311.186545)
alpha2, Fi2 -38.39 11.22
TVector2 A 2D physics vector (x,y)=(158.734867,-125.785394)
(rho,phi)=(202.530796,321.605833)
positions first/last
TVector3 A 3D physics vector (x,y,z)=(2.140019,1.838233,0.935000)
(rho,theta,phi)=(2.972038,71.663396,40.661909)
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(rho,theta,phi)=(41.722175,71.600207,46.014423)
scosfirst/scoslast 2.821 39.65
fitm/fitp 0.3321 -0.0009598

z1/z2 0.9360 13.17
track 0 has 0 hits:
propagation from
TVector3 A 3D physics vector (x,y,z)=(27.493951,28.485198,13.198476)
(rho,theta,phi)=(41.731566,71.562451,46.014455)
propagation to 1
TVector3 A 3D physics vector (x,y,z)=(264.052734,241.612061,116.380302)
(rho,theta,phi)=(376.357023,71.987260,42.458963)
errors
TVector3 A 3D physics vector (x,y,z)=(71.554588,79.789469,0.000000)
(rho,theta,phi)=(107.174710,90.000000,48.114487)
TVector3 A 3D physics vector (x,y,z)=(0.049441,0.072073,0.000000)
(rho,theta,phi)=(0.087401,90.000000,55.550681)
distance 395.4 err 75.31
this hit 0 DOES NOT BELONG to this track 0!!!!!!!!!!!!
track 0 has 0 hits:
propagation from
TVector3 A 3D physics vector (x,y,z)=(27.493951,28.485198,13.198476)
(rho,theta,phi)=(41.731566,71.562451,46.014455)
propagation to 1
TVector3 A 3D physics vector (x,y,z)=(266.680786,244.622772,117.620697)
(rho,theta,phi)=(380.517504,71.994566,42.529749)
errors
TVector3 A 3D physics vector (x,y,z)=(72.978365,81.365459,0.000000)
(rho,theta,phi)=(109.298580,90.000000,48.110412)
TVector3 A 3D physics vector (x,y,z)=(0.016045,0.016045,0.000000)
(rho,theta,phi)=(0.022691,90.000000,45.000006)
distance 399.7 err 76.81
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)=(27.493951,28.485198,13.198476)
(rho,theta,phi)=(41.731566,71.562451,46.014455)
propagation to 1
TVector3 A 3D physics vector (x,y,z)=(340.326721,328.991913,152.380295)
(rho,theta,phi)=(497.270259,72.155569,44.029798)
errors
TVector3 A 3D physics vector (x,y,z)=(113.698529,126.541337,0.000000)
(rho,theta,phi)=(170.117799,90.000000,48.060021)
TVector3 A 3D physics vector (x,y,z)=(0.061517,0.096236,0.000000)
(rho,theta,phi)=(0.114217,90.000000,57.412042)
distance 521.9 err 119.8
this hit 2 DOES NOT BELONG to this track 0!!!!!!!!!!!!
track 0 has 0 hits:
propagation from
TVector3 A 3D physics vector (x,y,z)=(27.493951,28.485198,13.198476)
(rho,theta,phi)=(41.731566,71.562451,46.014455)
propagation to 1
TVector3 A 3D physics vector (x,y,z)=(342.954803,332.002655,153.620697)
(rho,theta,phi)=(501.441002,72.160089,44.070376)
errors
TVector3 A 3D physics vector (x,y,z)=(115.169873,128.175950,0.000000)

(rho,theta,phi)=(172.317074,90.000000,48.059370)
TVector3 A 3D physics vector (x,y,z)=(0.015951,0.015951,0.000000)
(rho,theta,phi)=(0.022558,90.000000,45.000004)
distance 526.3 err 121.4
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)=(27.493951,28.485198,13.198476)
(rho,theta,phi)=(41.731566,71.562451,46.014455)
propagation to 1
TVector3 A 3D physics vector (x,y,z)=(416.600739,416.371857,188.380295)
(rho,theta,phi)=(618.392136,72.264144,44.984256)
errors
TVector3 A 3D physics vector (x,y,z)=(156.639639,174.277106,0.000000)
(rho,theta,phi)=(234.325599,90.000000,48.050910)
TVector3 A 3D physics vector (x,y,z)=(0.073012,0.120576,0.000000)
(rho,theta,phi)=(0.140958,90.000000,58.803741)
distance 648.4 err 165.3
this hit 4 DOES NOT BELONG to this track 0!!!!!!!!!!!!
track 0 has 0 hits:
propagation from
TVector3 A 3D physics vector (x,y,z)=(27.493951,28.485198,13.198476)
(rho,theta,phi)=(41.731566,71.562451,46.014455)
propagation to 1
TVector3 A 3D physics vector (x,y,z)=(419.228821,419.382599,189.620697)
(rho,theta,phi)=(622.567729,72.267197,45.010506)
errors
TVector3 A 3D physics vector (x,y,z)=(158.125636,175.929823,0.000000)
(rho,theta,phi)=(236.548134,90.000000,48.050812)
TVector3 A 3D physics vector (x,y,z)=(0.015864,0.015864,0.000000)
(rho,theta,phi)=(0.022436,90.000000,45.000003)
distance 652.8 err 166.9
this hit 5 DOES NOT BELONG to this track 0!!!!!!!!!!!!
track 1 has 6 hits: 0 1 2 3 4 5
TRK 1 has hits 0 1 2 3 4 5
track 1 has 6 hits: 0 1 2 3 4 5
start from
TVector3 A 3D physics vector (x,y,z)=(-28.076680,-19.600158,106.400971)
(rho,theta,phi)=(111.774921,17.838888,-145.081343)
lastpar error 0.02000 0.02000 1.000
GET INITIAL PARAMS
charge/xc/yc/radius 1 -124.2 148.0 193.2
TVector3 A 3D physics vector (x,y,z)=(-0.896954,-0.734516,3.558927)
(rho,theta,phi)=(3.742994,18.043120,-140.685918)
TVector3 A 3D physics vector (x,y,z)=(-1.745000,-1.457119,6.980000)
(rho,theta,phi)=(7.340887,18.040325,-140.137272)
TVector3 A 3D physics vector (x,y,z)=(-1.005812,-0.576526,3.558927)
(rho,theta,phi)=(3.742994,18.043120,-150.178888)
TVector3 A 3D physics vector (x,y,z)=(-28.076680,-19.600158,106.400971)
(rho,theta,phi)=(111.774921,17.838888,-145.081343)
Phi0 -50.01
alpha1, Fi1 -50.69 -0.6741

TVector2 A 2D physics vector (x,y)=(122.419376,-149.492275)
(rho,phi)=(193.221231,309.314082)
alpha2, Fi2 -60.18 -10.17
TVector2 A 2D physics vector (x,y)=(96.087696,-167.635315)
(rho,phi)=(193.221231,299.821112)
positions first/last
TVector3 A 3D physics vector (x,y,z)=(-1.745000,-1.457119,6.980000)
(rho,theta,phi)=(7.340887,18.040325,-140.137272)
TVector3 A 3D physics vector (x,y,z)=(-28.076680,-19.600158,106.400971)
(rho,theta,phi)=(111.774921,17.838888,-145.081343)
scosfirst/scoslast 2.273 34.29
fitm/fitp 3.070 0.5735
z1/z2 7.553 105.8
track 1 has 6 hits: 0 1 2 3 4 5
propagation from
TVector3 A 3D physics vector (x,y,z)=(-20.053042,-14.746117,76.461423)
(rho,theta,phi)=(80.410954,18.032115,-143.670888)
propagation to 1
TVector3 A 3D physics vector (x,y,z)=(-31.229034,-21.389133,116.380302)
(rho,theta,phi)=(122.381054,18.016653,-145.592297)
errors
TVector3 A 3D physics vector (x,y,z)=(1.193592,0.888566,0.000000)
(rho,theta,phi)=(1.488023,90.000000,36.665727)
TVector3 A 3D physics vector (x,y,z)=(0.049441,0.072073,0.000000)
(rho,theta,phi)=(0.087401,90.000000,55.550681)
distance 0.07019 err 0.9483
this hit 0 BELONGS to this track 1!!!!!!!!!!!!
assign 0 to track 1
track 1 has 6 hits: 0 1 2 3 4 5
track 1 has 6 hits: 0 1 2 3 4 5
track 1 has 6 hits: 0 1 2 3 4 5
propagation from
TVector3 A 3D physics vector (x,y,z)=(-31.200458,-21.325509,116.380302)
(rho,theta,phi)=(122.362660,17.990153,-145.647399)
propagation to 1
TVector3 A 3D physics vector (x,y,z)=(-31.554291,-21.518887,117.620697)
(rho,theta,phi)=(123.666342,17.989477,-145.707425)
errors
TVector3 A 3D physics vector (x,y,z)=(0.053477,0.074309,0.000000)
(rho,theta,phi)=(0.091551,90.000000,54.258944)
TVector3 A 3D physics vector (x,y,z)=(0.016045,0.016045,0.000000)
(rho,theta,phi)=(0.022691,90.000000,45.000006)
distance 0.009868 err 0.07263
this hit 1 BELONGS to this track 1!!!!!!!!!!!!
assign 1 to track 1
track 1 has 6 hits: 0 1 2 3 4 5
track 1 has 6 hits: 0 1 2 3 4 5
track 1 has 6 hits: 0 1 2 3 4 5
propagation from
TVector3 A 3D physics vector (x,y,z)=(-31.550337,-21.510388,117.620697)
(rho,theta,phi)=(123.663854,17.985927,-145.714617)
propagation to 1

TVector3 A 3D physics vector (x,y,z)=(-41.566570,-26.666948,152.378326)
(rho,theta,phi)=(160.181336,17.957327,-147.317882)
errors
TVector3 A 3D physics vector (x,y,z)=(0.480061,0.250845,0.000000)
(rho,theta,phi)=(0.541647,90.000000,27.588315)
TVector3 A 3D physics vector (x,y,z)=(0.061517,0.096236,0.000000)
(rho,theta,phi)=(0.114217,90.000000,57.412042)
distance 0.1475 err 0.4125
this hit 2 BELONGS to this track 1!!!!!!!!!!!!
assign 2 to track 1
track 1 has 6 hits: 0 1 2 3 4 5
track 1 has 6 hits: 0 1 2 3 4 5
track 1 has 6 hits: 0 1 2 3 4 5
propagation from
TVector3 A 3D physics vector (x,y,z)=(-41.656247,-26.686305,152.380295)
(rho,theta,phi)=(160.209725,17.986348,-147.355095)
propagation to 1
TVector3 A 3D physics vector (x,y,z)=(-42.019573,-26.863283,153.618729)
(rho,theta,phi)=(161.511592,17.986131,-147.409054)
errors
TVector3 A 3D physics vector (x,y,z)=(0.060662,0.050230,0.000000)
(rho,theta,phi)=(0.078759,90.000000,39.625569)
TVector3 A 3D physics vector (x,y,z)=(0.015951,0.015951,0.000000)
(rho,theta,phi)=(0.022558,90.000000,45.000004)
distance 0.05003 err 0.06256
this hit 3 BELONGS to this track 1!!!!!!!!!!!!
assign 3 to track 1
track 1 has 6 hits: 0 1 2 3 4 5
track 1 has 6 hits: 0 1 2 3 4 5
track 1 has 6 hits: 0 1 2 3 4 5
propagation from
TVector3 A 3D physics vector (x,y,z)=(-41.974382,-26.866975,153.620697)
(rho,theta,phi)=(161.502327,17.973741,-147.377494)
propagation to 1
TVector3 A 3D physics vector (x,y,z)=(-52.161926,-31.720781,188.378494)
(rho,theta,phi)=(198.024068,17.956491,-148.695322)
errors
TVector3 A 3D physics vector (x,y,z)=(0.034681,0.035126,0.000000)
(rho,theta,phi)=(0.049362,90.000000,45.364951)
TVector3 A 3D physics vector (x,y,z)=(0.073012,0.120576,0.000000)
(rho,theta,phi)=(0.140958,90.000000,58.803741)
distance 0.1702 err 0.1187
this hit 4 BELONGS to this track 1!!!!!!!!!!!!
assign 4 to track 1
track 1 has 6 hits: 0 1 2 3 4 5
track 1 has 6 hits: 0 1 2 3 4 5
track 1 has 6 hits: 0 1 2 3 4 5
propagation from
TVector3 A 3D physics vector (x,y,z)=(-52.174988,-31.709091,188.380295)
(rho,theta,phi)=(198.027350,17.957731,-148.711065)
propagation to 1
TVector3 A 3D physics vector (x,y,z)=(-52.538479,-31.879414,189.618896)

(rho,theta,phi)=(199.328660,17.957092,-148.751369)
errors
TVector3 A 3D physics vector (x,y,z)=(0.032026,0.034556,0.000000)
(rho,theta,phi)=(0.047114,90.000000,47.176500)
TVector3 A 3D physics vector (x,y,z)=(0.015864,0.015864,0.000000)
(rho,theta,phi)=(0.022436,90.000000,45.000003)
distance 0.04179 err 0.03698
this hit 5 BELONGS to this track 1!!!!!!!!!!!!
assign 5 to track 1
track 1 has 6 hits: 0 1 2 3 4 5
track 1 has 6 hits: 0 1 2 3 4 5
N OF TRACKS 2
track 0 has 0 hits
track 0 has 0
track 0 has 0 hits:

track 1 has 6 hits
track 1 has 6
track 1 has 6 hits: 0 1 2 3 4 5
 0 1 2 3 4 5
0 ACTUALLY ASSIGNING TRACK 0
track 0 has 0 hits:
1 ACTUALLY ASSIGNING TRACK 1
track 1 has 6 hits: 0 1 2 3 4 5
ACTUALLY add hit 0 to track 1
ACTUALLY add hit 1 to track 1
ACTUALLY add hit 2 to track 1
ACTUALLY add hit 3 to track 1
ACTUALLY add hit 4 to track 1
ACTUALLY add hit 5 to track 1
complete cand 0 has nhits 28
iHit 0 detId 21(36)
iHit 1 detId 21(36)
iHit 0 detId 23(36)
iHit 1 detId 23(36)
iHit 0 detId 16(36)
iHit 1 detId 16(36)
iHit 2 detId 16(36)
iHit 3 detId 16(36)
iHit 4 detId 16(36)
iHit 5 detId 16(36)
iHit 6 detId 16(36)
iHit 7 detId 16(36)
iHit 8 detId 16(36)
iHit 9 detId 16(36)
iHit 10 detId 16(36)
iHit 11 detId 16(36)
iHit 12 detId 16(36)
iHit 13 detId 16(36)
iHit 14 detId 16(36)
iHit 15 detId 16(36)
iHit 16 detId 16(36)

iHit 17 detId 16(36)
iHit 18 detId 16(36)
iHit 19 detId 16(36)
iHit 20 detId 16(36)
iHit 21 detId 16(36)
iHit 22 detId 16(36)
iHit 23 detId 16(36)
complete cand 1 has nhits 27
iHit 2 detId 21(36)
iHit 3 detId 21(36)
iHit 4 detId 21(36)
iHit 5 detId 21(36)
iHit 24 detId 16(36)
iHit 25 detId 16(36)
iHit 26 detId 16(36)
iHit 27 detId 16(36)
iHit 28 detId 16(36)
iHit 29 detId 16(36)
iHit 30 detId 16(36)
iHit 31 detId 16(36)
iHit 32 detId 16(36)
iHit 33 detId 16(36)
iHit 34 detId 16(36)
iHit 36 detId 16(36)
iHit 35 detId 16(36)
iHit 37 detId 16(36)
iHit 38 detId 16(36)
iHit 39 detId 16(36)
iHit 40 detId 16(36)
iHit 0 detId 36(36)
iHit 1 detId 36(36)
iHit 2 detId 36(36)
iHit 3 detId 36(36)
iHit 4 detId 36(36)
iHit 5 detId 36(36)
hit 0 belongs to 1 tracks: 1
hit 1 belongs to 1 tracks: 1
hit 2 belongs to 1 tracks: 1
hit 3 belongs to 1 tracks: 1
hit 4 belongs to 1 tracks: 1
hit 5 belongs to 1 tracks: 1
start from
TVector3 A 3D physics vector (x,y,z)=(27.493812,28.485022,13.169421)
(rho,theta,phi)=(41.722175,71.600207,46.014423)
lastpar error 0.02000 0.02000 1.000
GET INITIAL PARAMS
charge/xc/yc/radius -1 -131.2 154.3 202.5
TVector3 A 3D physics vector (x,y,z)=(0.914593,0.800286,0.403600)
(rho,theta,phi)=(1.280559,71.628634,41.186545)
TVector3 A 3D physics vector (x,y,z)=(2.140019,1.838233,0.935000)
(rho,theta,phi)=(2.972038,71.663396,40.661909)
TVector3 A 3D physics vector (x,y,z)=(0.754780,0.952495,0.403600)

(rho,theta,phi)=(1.280559,71.628634,51.605833)
TVector3 A 3D physics vector (x,y,z)=(27.493812,28.485022,13.169421)
(rho,theta,phi)=(41.722175,71.600207,46.014423)
Phi0 -49.61
alpha1, Fi1 -48.81 0.7980
TVector2 A 2D physics vector (x,y)=(133.381074,-152.432183)
(rho,phi)=(202.548961,311.186545)
alpha2, Fi2 -38.39 11.22
TVector2 A 2D physics vector (x,y)=(158.734867,-125.785394)
(rho,phi)=(202.530796,321.605833)
positions first/last
TVector3 A 3D physics vector (x,y,z)=(2.140019,1.838233,0.935000)
(rho,theta,phi)=(2.972038,71.663396,40.661909)
TVector3 A 3D physics vector (x,y,z)=(27.493812,28.485022,13.169421)
(rho,theta,phi)=(41.722175,71.600207,46.014423)
scosfirst/scoslast 2.821 39.65
fitm/fitp 0.3321 -0.0009598
z1/z2 0.9360 13.17
propagation from
TVector3 A 3D physics vector (x,y,z)=(27.493951,28.485198,13.198476)
(rho,theta,phi)=(41.731566,71.562451,46.014455)
propagation to 1
TVector3 A 3D physics vector (x,y,z)=(156.582214,274.709991,116.380302)
(rho,theta,phi)=(336.939081,69.793505,60.317250)
propagation from
TVector3 A 3D physics vector (x,y,z)=(27.493951,28.485198,13.198476)
(rho,theta,phi)=(41.731566,71.562451,46.014455)
propagation to 1
TVector3 A 3D physics vector (x,y,z)=(158.347534,276.980469,117.620697)
(rho,theta,phi)=(340.039336,69.763059,60.243739)
propagation from
TVector3 A 3D physics vector (x,y,z)=(27.493951,28.485198,13.198476)
(rho,theta,phi)=(41.731566,71.562451,46.014455)
propagation to 1
TVector3 A 3D physics vector (x,y,z)=(207.817139,340.606659,152.380295)
(rho,theta,phi)=(427.107262,69.097860,58.611038)
propagation from
TVector3 A 3D physics vector (x,y,z)=(27.493951,28.485198,13.198476)
(rho,theta,phi)=(41.731566,71.562451,46.014455)
propagation to 1
TVector3 A 3D physics vector (x,y,z)=(209.582474,342.877167,153.620697)
(rho,theta,phi)=(430.219576,69.079324,58.564786)
propagation from
TVector3 A 3D physics vector (x,y,z)=(27.493951,28.485198,13.198476)
(rho,theta,phi)=(41.731566,71.562451,46.014455)
propagation to 1
TVector3 A 3D physics vector (x,y,z)=(259.052094,406.503357,188.380295)
(rho,theta,phi)=(517.532706,68.654137,57.491891)
propagation from
TVector3 A 3D physics vector (x,y,z)=(27.493951,28.485198,13.198476)
(rho,theta,phi)=(41.731566,71.562451,46.014455)
propagation to 1

TVector3 A 3D physics vector (x,y,z)=(260.817413,408.773895,189.620697)
(rho,theta,phi)=(520.651351,68.641704,57.460165)
start from
TVector3 A 3D physics vector (x,y,z)=(-28.076680,-19.600158,106.400971)
(rho,theta,phi)=(111.774921,17.838888,-145.081343)
lastpar error 0.02000 0.02000 1.000
GET INITIAL PARAMS
charge/xc/yc/radius 1 -124.2 148.0 193.2
TVector3 A 3D physics vector (x,y,z)=(-0.896954,-0.734516,3.558927)
(rho,theta,phi)=(3.742994,18.043120,-140.685918)
TVector3 A 3D physics vector (x,y,z)=(-1.745000,-1.457119,6.980000)
(rho,theta,phi)=(7.340887,18.040325,-140.137272)
TVector3 A 3D physics vector (x,y,z)=(-1.005812,-0.576526,3.558927)
(rho,theta,phi)=(3.742994,18.043120,-150.178888)
TVector3 A 3D physics vector (x,y,z)=(-28.076680,-19.600158,106.400971)
(rho,theta,phi)=(111.774921,17.838888,-145.081343)
Phi0 -50.01
alpha1, Fi1 -50.69 -0.6741
TVector2 A 2D physics vector (x,y)=(122.419376,-149.492275)
(rho,phi)=(193.221231,309.314082)
alpha2, Fi2 -60.18 -10.17
TVector2 A 2D physics vector (x,y)=(96.087696,-167.635315)
(rho,phi)=(193.221231,299.821112)
positions first/last
TVector3 A 3D physics vector (x,y,z)=(-1.745000,-1.457119,6.980000)
(rho,theta,phi)=(7.340887,18.040325,-140.137272)
TVector3 A 3D physics vector (x,y,z)=(-28.076680,-19.600158,106.400971)
(rho,theta,phi)=(111.774921,17.838888,-145.081343)
scosfirst/scoslast 2.273 34.29
fitm/fitp 3.070 0.5735
z1/z2 7.553 105.8
propagation from
TVector3 A 3D physics vector (x,y,z)=(-20.053042,-14.746117,76.461423)
(rho,theta,phi)=(80.410954,18.032115,-143.670888)
propagation to 1
TVector3 A 3D physics vector (x,y,z)=(-31.229034,-21.389133,116.380302)
(rho,theta,phi)=(122.381054,18.016653,-145.592297)
propagation from
TVector3 A 3D physics vector (x,y,z)=(-20.053042,-14.746117,76.461423)
(rho,theta,phi)=(80.410954,18.032115,-143.670888)
propagation to 1
TVector3 A 3D physics vector (x,y,z)=(-31.582960,-21.583942,117.620697)
(rho,theta,phi)=(123.684996,18.016070,-145.651116)
propagation from
TVector3 A 3D physics vector (x,y,z)=(-20.053042,-14.746117,76.461423)
(rho,theta,phi)=(80.410954,18.032115,-143.670888)
propagation to 1
TVector3 A 3D physics vector (x,y,z)=(-41.623573,-26.795816,152.378326)
(rho,theta,phi)=(160.217639,17.997342,-147.227967)
propagation from
TVector3 A 3D physics vector (x,y,z)=(-20.053042,-14.746117,76.461423)
(rho,theta,phi)=(80.410954,18.032115,-143.670888)

propagation to 1
TVector3 A 3D physics vector (x,y,z)=(-41.985252,-26.974333,153.618729)
(rho,theta,phi)=(161.521175,17.996598,-147.280406)
propagation from
TVector3 A 3D physics vector (x,y,z)=(-20.053042,-14.746117,76.461423)
(rho,theta,phi)=(80.410954,18.032115,-143.670888)
propagation to 1
TVector3 A 3D physics vector (x,y,z)=(-52.153393,-31.861877,188.378494)
(rho,theta,phi)=(198.044472,17.974696,-148.578146)
propagation from
TVector3 A 3D physics vector (x,y,z)=(-20.053042,-14.746117,76.461423)
(rho,theta,phi)=(80.410954,18.032115,-143.670888)
propagation to 1
TVector3 A 3D physics vector (x,y,z)=(-52.516422,-32.033981,189.618896)
(rho,theta,phi)=(199.347627,17.973905,-148.617633)
SUMMARY OF EVENT
mvd + stt tracks 2
gem hits 6
complete track cands 2
COUNTERS 6 2 0 10 2 0 2 194
STTMVD 8 of which usable 5
planes: 1 1 4 4 4 4 0 0
nohit on plane: 4 4 0 0 0 0 0 0
prop 1 turn: 0 0 1 1 1 1 0 0
prop 2 turn: 0 0 2 2 2 2 0 0
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
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
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
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
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
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)

*** Break *** floating point exception
Generating stack trace...
0xb0f5b6c7 in ertrch_ + 0xd93 from

/home/fioravanti/fairsoft/transport/geant3/lib/tgt_linux/libgeant321.so
0xb0f5d4a5 in ertrgo_ + 0xf29 from
/home/fioravanti/fairsoft/transport/geant3/lib/tgt_linux/libgeant321.so
0xb0f5a8b9 in ertrak_ + 0xc15 from
/home/fioravanti/fairsoft/transport/geant3/lib/tgt_linux/libgeant321.so
0xb103c450 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
0x0418108a in FairGeanePro::Propagate(int) at
/home/fioravanti/fairsoft/pandaroot/geane/FairGeanePro.cxx:327 from
/home/fioravanti/fairsoft/buildPanda/lib/libGeane.so
0x04181c71 in FairGeanePro::Propagate(FairTrackParP*, FairTrackParP*, int) at
/home/fioravanti/fairsoft/pandaroot/geane/FairGeanePro.cxx:275 from
/home/fioravanti/fairsoft/buildPanda/lib/libGeane.so
0x03f03d86 in PndSttMvdGemTracking::PropagateToGemPlane(FairTrackParP*, FairTrackParP*, int) at
/home/fioravanti/fairsoft/pandaroot/sttmvdtracking/PndSttMvdGemTracking. cxx:949 from
/home/fioravanti/fairsoft/buildPanda/lib/libSttMvdTracking.so
0x03f0a3f9 in PndSttMvdGemTracking::Exec(char const*) at
/home/fioravanti/fairsoft/pandaroot/sttmvdtracking/PndSttMvdGemTracking. cxx:601 from
/home/fioravanti/fairsoft/buildPanda/lib/libSttMvdTracking.so
0x00cfc9e8 in TTask::ExecuteTasks(char const*) + 0x108 from
/home/fioravanti/fairsoft/tools/root/lib/libCore.so.5.29
0x00cfc3d9 in TTask::ExecuteTask(char const*) + 0x159 from
/home/fioravanti/fairsoft/tools/root/lib/libCore.so.5.29
0x02050386 in FairRunAna::Run(int, int) at
/home/fioravanti/fairsoft/pandaroot/base/FairRunAna.cxx:273 from
/home/fioravanti/fairsoft/buildPanda/lib/libBase.so
0x020aef88 in <unknown> from /home/fioravanti/fairsoft/buildPanda/lib/libBase.so
0x04aa3d7a 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
0x04b5e786 in G__execute_call + 0x56 from
/home/fioravanti/fairsoft/tools/root/lib/libCint.so.5.29
0x04b62d3d in G__call_cppfunc + 0x26d from
/home/fioravanti/fairsoft/tools/root/lib/libCint.so.5.29
0x04b35628 in G__interpret_func + 0x1458 from
/home/fioravanti/fairsoft/tools/root/lib/libCint.so.5.29
0x04b22cf8 in G__getfunction at func.cxx:0 from
/home/fioravanti/fairsoft/tools/root/lib/libCint.so.5.29
0x04c2391c 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
0x04c19708 in G__getvariable at var.cxx:0 from
/home/fioravanti/fairsoft/tools/root/lib/libCint.so.5.29
0x04af6f41 in G__getitem at expr.cxx:0 from
/home/fioravanti/fairsoft/tools/root/lib/libCint.so.5.29
0x04b009a9 in G__getexpr at expr.cxx:0 from
/home/fioravanti/fairsoft/tools/root/lib/libCint.so.5.29
0x04b9438f in G__exec_statement at parse.cxx:0 from
/home/fioravanti/fairsoft/tools/root/lib/libCint.so.5.29
0x04ae178b in <unknown> from /home/fioravanti/fairsoft/tools/root/lib/libCint.so.5.29
0x04ae1ac6 in G__exec_tempfile + 0x16 from
/home/fioravanti/fairsoft/tools/root/lib/libCint.so.5.29

0x04ba5c26 in G__process_cmd at pause.cxx:0 from
/home/fioravanti/fairsoft/tools/root/lib/libCint.so.5.29
0x00d396d3 in TCint::ProcessLine(char const*, TInterpreter::EErrorCode*) + 0x3c3 from
/home/fioravanti/fairsoft/tools/root/lib/libCore.so.5.29
0x00d392ef in TCint::ProcessLineSynch(char const*, TInterpreter::EErrorCode*) + 0x9f from
/home/fioravanti/fairsoft/tools/root/lib/libCore.so.5.29
0x00c826c2 in TApplication::ExecuteFile(char const*, int*, bool) + 0x752 from
/home/fioravanti/fairsoft/tools/root/lib/libCore.so.5.29
0x00c82c5c in TApplication::ProcessFile(char const*, int*, bool) + 0x2c from
/home/fioravanti/fairsoft/tools/root/lib/libCore.so.5.29
0x00c7f5eb in TApplication::ProcessLine(char const*, bool, int*) + 0x86b from
/home/fioravanti/fairsoft/tools/root/lib/libCore.so.5.29
0x0011d8c4 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
0x0019ae9c 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 >