
Subject: Re: Bug in GenfitTrack2PndTrack
Posted by [StefanoSpataro](#) on Thu, 03 Sep 2009 13:28:39 GMT
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Hi,
I am not so sure if theta and phi are fine...

BUT

now I have the following error which stops the analysis, after some events:

```
*** Event # 427
===== PndLheHitsMaker =====
Total number of hits for tracking: 82
Total number of tracks in TPC: 1
    Good tracks in TPC: 1
Working with 82 hits
found 2 tracks
finder : Real Time = 119.42 seconds Cpu Time = 98.89 seconds
===== PndLheTrackFitter =====
Number of tracks for fitting 2
Error: Symbol G__exception is not defined in current scope run_reco_tpccombi.C:79:
Error: type G__exception not defined
FILE:/home/spataro/july09/pandaroot/macro/pid/./run_reco_tpccombi.C LINE:79
```

This come from the following line:

```
double last_pro = gtr->getMom(lastPlane).Dot(lastPlane.getNormal());
```

In particular from:

```
gtr->getMom(lastPlane)
```

(gtr->getMom(lastPlane).Print() gave me the same message).

I have done a lastPlane.Print(), this is the output:

```
DetPlane: O(-4.400,3.217,7.140) u(0.000,1.000,0.000) v(1.000,-0.000,0.000)
n(0.000,0.000,-1.000)
```

and gtr->Print():

```
+++++
AbsTrackRep::Parameters at reference plane DetPlane: O(-2.430,-0.5800,2.370)
u(0.000,-1.000,0.000) v(-1.000,0.000,0.000) n(-0.000,-0.000,-1.000)
AbsTrackRep::State
```

5x1 matrix is as follows

```
  | 0 |
-----
0 | 10.19
1 | 0.2318
```

2 | -0.5959
3 | -1.219
4 | -0.9614

AbsTrackRep::Covariances

5x5 matrix is as follows

	0	1	2	3	4
0	1.427	-0.004631	-0.003401	-0.001314	-0.000963
1	-0.004631	0.0001002	-2.511e-06	1.756e-05	2.866e-06
2	-0.003401	-2.511e-06	0.0001009	3.542e-06	1.546e-05
3	-0.001314	1.756e-05	3.542e-06	2.398e-05	6.665e-07
4	-0.000963	2.866e-06	1.546e-05	6.665e-07	2.353e-05

AbsTrackRep::chi^2

230.8

Any clues?
