
Subject: Problems with TPC and genfit

Posted by [StefanoSpataro](#) on Tue, 05 Oct 2010 14:19:38 GMT

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Hi,

I have found new "troubles" with TPC code, after the last update this morning.

If I try the qa macros: macros/run/ sim/digi/reco_complete_tpc.C, the reco have these warnings:

```
PndTpcClusterFinderTask::Exec
number of digis: 1443
DEBUG: built sector map
DEBUG: digilist has 0 entries
DEBUG: digilist has 0 entries
DEBUG: digilist has 0 entries
DEBUG: digilist has 0 entries
DEBUG: digilist has 0 entries
DEBUG: digilist has 0 entries
DEBUG: digilist has 0 entries
DEBUG: digilist has 0 entries
DEBUG: digilist has 0 entries
DEBUG: digilist has 0 entries
DEBUG: digilist has 0 entries
DEBUG: digilist has 40 entries
DEBUG: digilist has 44 entries
DEBUG: digilist has 53 entries
DEBUG: digilist has 61 entries
DEBUG: digilist has 47 entries
```

and a final crash:

```
GFAbsTrackRep::chi^2
97.85
+++++
starting track2
49 hits in track 2
*** Number of clusters in track: 49 ***
starting fit
Calling processTrack
root.exe: /d/panda02/spataro/pandaroot/genfit/geometry/GFGeoMatManager.cxx:70: float
MeanExcEnergy_get(int): Assertion `Z>0&&Z<=MeanExcEnergy_NELEMENTS' failed.
```

If I try the macros in pid (run_sim_tpccomb_pgun.C and run_digi_tpccombi.C) I have the following messages:

```
PndTpcSectorProcessor::process(): Digi buffer is empty!
PndTpcSectorProcessor::process(): Digi buffer is empty!
PndTpcSectorProcessor::process(): Digi buffer is empty!
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PndTpcSectorProcessor::process(): Digi buffer is empty!
```

What's going wrong?

Subject: Re: Problems with TPC and genfit
Posted by [Felix Boehmer](#) on Thu, 07 Oct 2010 03:06:15 GMT
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Hi Stefano,

there was a problem in genfit, which was fixed and checked in today (I am not sure if the version of the externals has been set correctly yet, but this was communicated in any case and should be done shortly).

The "warnings" are just debug output I put in to monitor the sector processors during the clustering. There is nothing to worry about here

I will remove them soon.

Cheers

Felix
