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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
```

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DEBUG: digilist has 0 entries
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DEBUG: digilist has 0 entries
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DEBUG: digilist has 0 entries
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DEBUG: digilist has 0 entries
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DEBUG: digilist has 0 entries
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```
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!
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What's going wrong?

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