Subject: Re: TPC MVD and GEM correlators
Posted by Dima Melnychuk on Fri, 17 Jun 2011 14:53:43 GMT
View Forum Message <> Reply to Message

Hi all,

I tried to implement task for GFTrack to PndTrack conversion using adapters from GenfitTools/adapters/PndGenfitAdapters.cxx and trying to run it in tpc reco task I observed that GenfitTrack2PndTrack adapter support only GeaneTrackRep.
So as a next step I tried to edit PndGenfitAdapters.cxx to support also RKTrackRep.

So from the compilation and run-time point of view everything work. I.e. I have a TClonesArray of PndTrack.

The class is called PndGFTrackToPndTrackConvertorTask
and I assume that it should be called in tpc reconstruction macro after last KalmanTask.

```
  PndGFTrackToPndTrackConvertorTask* converter =new
PndGFTrackToPndTrackConvertorTask();
  converter->SetTrackInBranchName("TrackPostFitComplete");
  converter->SetTrackOutBranchName("PndTrackPostFitComplete");
  fRun->AddTask(converter);
```

I tried to check in the code but I do not have write access to GenfitTools directory.

I attached the files (PndGFTrackToPndTrackConvertorTask.cxx, PndGFTrackToPndTrackConvertorTask.h) to be placed /GenfitTools/recotasks/ with corrected CMakeList.txt and RecoTasksLinkDef.h and corrected adapter PndGenfitAdapters.cxx to be placed to /GenfitTools/adapters/.

In addition in /GenfitTools/adapters/CMakeList.txt there is an error
It should be instead of

${CMAKE_SOURCE_DIR}/GenfitTools/trackrep/RKtrackRep

the following

${CMAKE_SOURCE_DIR}/GenfitTools/trackrep/RKTrackRep

i.e. capital "T" instead of small one.

So could some body check it in, Stefano or Felix?

Now I will try to run higher statistics to see if the results are reasonable, but it will take some time.

Dima

File Attachments

1) PndGFTrackToPndTrackConvertorTask.cxx, downloaded 475

times
2) PndGFTrackToPndTrackConvertorTask.h, downloaded 445 times
3) CMakeLists.txt, downloaded 397 times
4) RecoTasksLinkDef.h, downloaded 464 times
5) PndGenfitAdapters.cxx, downloaded 443 times