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Subject: Re: TPC MVD and GEM correlators

Posted by [Dima Melnychuk](#) on Fri, 17 Jun 2011 14:53:43 GMT

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Hi all,

I tried to implement task for GFTTrack 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 PndGFTTrackToPndTrackConvertorTask and I assume that it should be called in tpc reconstruction macro after last KalmanTask.

```
PndGFTTrackToPndTrackConvertorTask* converter =new  
PndGFTTrackToPndTrackConvertorTask();  
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 (PndGFTTrackToPndTrackConvertorTask.cxx, PndGFTTrackToPndTrackConvertorTask.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

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## File Attachments

1) [PndGFTTrackToPndTrackConvertorTask.cxx](#), downloaded 315

times

- 2) [PndGFTrackToPndTrackConvertorTask.h](#), downloaded 308 times
  - 3) [CMakeLists.txt](#), downloaded 267 times
  - 4) [RecoTasksLinkDef.h](#), downloaded 307 times
  - 5) [PndGenfitAdapters.cxx](#), downloaded 297 times
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