Subject: [FIXED] Symbol lookup error :: PndMvdRiemannTrackFinderTask
Posted by Ajay Kumar on Wed, 04 Sep 2013 07:42:08 GMT
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Dear All,

I am having symbol lookup error when I am running tarcking macro with PndMvdRiemannTrackFinderTask . I could not solve this problem with the previous posts of forum.
The terminal output goes like as:-

```
ajay@ajay-Vostro-1014:~/pandaroot/PANDA_DATA/3GeV$ root -l run_tracking_llbar.C
root [0]
Processing run_tracking_llbar.C...
Error in <TClonesArray::SetClass>: called with a null pointer
Ext: digi addon:  cut: 0 Truncated: run_sim
Ext: reco addon:  cut: 0 Truncated: run_sim
Ext: par addon:  cut: 0 Truncated: run_sim
Ext: trackF addon:  cut: 0 Truncated: run_sim
FairRootManager::OpenOutFile("run_sim_trackF.root")
Info in (PndGeoHandling::Instance): Making a new instance using the framework.
[INFO   ] The input consists out of the following trees and files:
[INFO   ]  - cbmsim
[INFO   ]     - run_sim_reco.root
[INFO   ]  - FriendTree_1
[INFO   ]     - run_sim.root
[INFO   ]  - FriendTree_2
[INFO   ]     - run_sim_digi.root
[INFO   ] Parameter and input file are available, Assure that basic info is there for the run!
[INFO   ] The number of entries in chain is 2

************************************************************
    initialisation for run id 1378278536
************************************************************
-I- FairRunTimeDB::InitContainer() FairBaseParSet
Info in <TGeoManager::CloseGeometry>: Geometry loaded from file...
Info in <TGeoManager::SetTopVolume>: Top volume is cave. Master volume is cave
Info in <TGeoNavigator::BuildCache>: --- Maximum geometry depth set to 100
Info in <TGeoManager::Voxelize>: Voxelizing...
Info in <TGeoManager::CountLevels>: max level = 12, max placements = 4896
Info in <TGeoManager::CloseGeometry>: 182050 nodes/ 5019 volume UID's in FAIR geometry
Info in <TGeoManager::CloseGeometry>: ----------------modeler ready----------------
Container FairBaseParSet initialized from ROOT file.
 -I container name PndGeoSttPar

************************************************************
    initialisation for run id 1378278536
************************************************************
-I- FairRunTimeDB::InitContainer() FairBaseParSet
-I- FairRunTimeDB::InitContainer() PndSensorNamePar
Container PndSensorNamePar initialized from ROOT file.
-I- FairRunTimeDB::InitContainer() PndGeoSttPar
```

```
Container PndGeoSttPar initialized from ROOT file.
PndFieldCreator::SetParm() 0x8323710

************************************************************
    initialisation for run id 1378278536
************************************************************
-I- FairRunTimeDB::InitContainer() FairBaseParSet
-I- FairRunTimeDB::InitContainer() PndSensorNamePar
-I- FairRunTimeDB::InitContainer() PndGeoSttPar
-I- FairRunTimeDB::InitContainer() PndMultiFieldPar
Container PndMultiFieldPar initialized from ROOT file.
OBJ: PndTransPar PndTransPar Trans. Field parameter container
OBJ: PndDipole1Par PndDipole1Par Dipole Field parameter container
OBJ: PndDipole2Par PndDipole2Par Dipole Field parameter container
OBJ: PndSolenoid1Par PndSolenoid1Par Solenoid 1st region parameter container
OBJ: PndSolenoid2Par PndSolenoid2Par Solenoid 2nd region parameter container
OBJ: PndSolenoid3Par PndSolenoid3Par Solenoid 3rd region parameter container
OBJ: PndSolenoid4Par PndSolenoid4Par Solenoid 4th region parameter container
[INFO   ] PndFieldMap: Reading field map from ROOT file
/home/ajay/pandaroot/input/TransMap.0406.root
[INFO   ] PndFieldMap: Reading field map from ROOT file
/home/ajay/pandaroot/input/DipoleMap1.0406.root
[INFO   ] PndFieldMap: Reading field map from ROOT file
/home/ajay/pandaroot/input/DipoleMap2.0406.root
[INFO   ] PndFieldMap: Reading field map from ROOT file
/home/ajay/pandaroot/input/SolenoidMap1.root
[INFO   ] PndFieldMap: Reading field map from ROOT file
/home/ajay/pandaroot/input/SolenoidMap2.root
[INFO   ] PndFieldMap: Reading field map from ROOT file
/home/ajay/pandaroot/input/SolenoidMap3.root
[INFO   ] PndFieldMap: Reading field map from ROOT file
/home/ajay/pandaroot/input/SolenoidMap4.root
----------------------FairGeane::Init ()-----------------------------
Loading Geant3 libraries ...
Loading Geant3 libraries ... finished

 MZSTOR.  ZEBRA table base TAB(0) in /MZCC/ at adr    55242807     34AF037 HEX

 MZSTOR.  Initialize Store  0  in /GCBANK/
        with Store/Table at absolute adrs    55352053    55242807
                                  HEX     34C9AF5     34AF037
                                  HEX       1AB22           0
                        relative adrs      109346           0
        with     1 Str. in     2 Links in   5300 Low words in 4999970 words.
        This store has a fence of   16 words.

 MZLOGL.  Set Log Level 0 for store  0
1*****  GEANT Version  3.21/11 Released on 100298
0*****  Correction Cradle Version  0.1100

 MZDIV.   Initialize Division  Constant  in Store  0
        NW/NWMAX=   20004000000,  MODE/KIND=  1  2
```

Division 20 initialized.

MZLINK. Initialize Link Area /GCLINK/ for Store 0 NL/NS= 20 20

MZLINK. Initialize Link Area /GCSLNK/ for Store 0 NL/NS= 100 100
-I- G3Config: Geant3 with TGeo has been created for Geane.
-I- Geane.C: NOPRNT flag set to 1
-I- Geane.C: IERR flags are not printed. If you want to switch them on, please set fErtrio1->noprnt = 0 in Geane.C
Energy straggling area parameter from user set to: 0.999

Calculating cross section tables, see gphysi.dat for more information

Cross section calculation concluded successfully
I- FairGeane::FairGeane: Geane is Initialized
-W- PndMvdRiemannTrackFinderTask::Init: No Branch Names given with AddHitBranch(TString branchName)! Standard BranchNames taken!
-I- PndMvdRiemannTrackFinderTask: Initialisation successfull
[INFO] The number of entries in chain is 2
/home/ajay/fairsoft/bin/root.exe: symbol lookup error: /home/ajay/pandaroot/buildPanda/lib/libMvdTrk.so: undefined symbol: _ZN27PndMvdGemRiemannTrackFinderC1Ev

Please have a look.

How to remove this error?

Subject: Re: Symbol lookup error :: PndMvdRiemannTrackFinderTask
Posted by StefanoSpataro on Wed, 04 Sep 2013 12:13:13 GMT
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Can you please write which macro you are using?

Subject: Re: Symbol lookup error :: PndMvdRiemannTrackFinderTask
Posted by Ajay Kumar on Wed, 04 Sep 2013 14:12:44 GMT
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Hi Stefano,

Sorry I forgot to attach the macro here.
I have taken the macros from /macro/mvd/TimeOrderedSim/
where PndMvdRiemannTrackFinderTask is implemented.

I did not take macro from default /macro/run folder.
Should I use only default macro with implementation of PndMvdRiemannTrackFinderTask there?

Thanks

File Attachments
1) run_tracking_llbar.C, downloaded 527 times

Subject: Re: Symbol lookup error :: PndMvdRiemannTrackFinderTask
Posted by StefanoSpataro on Wed, 04 Sep 2013 15:21:08 GMT
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There are problems in the MvdTrk package.
I suppose Tobias will take a look.

Subject: Re: Symbol lookup error :: PndMvdRiemannTrackFinderTask
Posted by Ajay Kumar on Fri, 20 Sep 2013 12:00:59 GMT
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Hi Tobias,

I was waiting for the solution of this error. I have checked again and still it is there.

Thanks

Subject: Re: Symbol lookup error :: PndMvdRiemannTrackFinderTask
Posted by StefanoSpataro on Fri, 20 Sep 2013 15:01:54 GMT
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Do you really need to use the Riemann Task? There are still problems in MvdTrk.
The tracking tasks in macro/run are running, and there is no Riemann task there.

Subject: Re: Symbol lookup error :: PndMvdRiemannTrackFinderTask
Posted by StefanoSpataro on Sat, 21 Sep 2013 13:22:31 GMT
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However, now it should work. Please update your mvd/MvdTrk folder.