Subject: Problems with macros
Posted by Jennifer Pütz   on Tue, 21 Jun 2016 09:06:03 GMT

Hi everyone,

I updated my machine to

FairSoft: nov15p5
FairRoot: v15-11c
PandaRoot: trunk rev. 29165

I tried to run the simulation with the standard macro macros/run/sim_complete.C. The macro produces a "proper" sim_complete.root file, but the macro doesn't end (I attached a screen shot). I tried several options like run the macro with root -q or adding an exit(0) to the end of the macro, but no option is working. I have to kill the task at the end.
I tried some other macros, but the problem is the same.

Best,
Jenny

File Attachments
1) sim_macro_screenshot.png, downloaded 1102 times

```
Warning in <TGeant3TGeo::SetMaterialProperty>: Called for material surface  RichMirrSurface. Not applicab
3 - setting is ignored.
Warning in <TGeant3TGeo::SetBorderSurface>: Called for border surface BarRichMirrorSurface. Not applicabl
 - setting is ignored.
Warning in <TGeant3TGeo::SetSkinSurface>: Called for skin surface RichAirMirrorSurface. Not applicable in
etting is ignored.
 =======  RICH::ConstructOpGeometry -> Finished! ======
 -I- Initializing PndSdsDetector()
[INFO   ] Branch: MVDPoint not registered!
-W- PndSdsDetector: New branch MvDPoint created!
 -I- Initializing PndGemDetector()


****************************************************************
PndEmc::SetSpecialPhysicsCuts():
   using special physics cuts ...
****************************************************************
 -I- Initializing PndSciT()
 Fairdetector geht
 -I- Initialized PndSciT()
 -I- PndDrc: Intialization started...
there is gGeoManager
list of sensitives has 1 entries
 -I- PndDrc: Switching OFF Cherenkov Propagation
DRC parameters: fpi = 3.142, fzup = -119.000, fbarnum = 5.000, flside = 15.872
bar 1 id = 4981
lens1ID = 4981, flens2ID = 4981, lens3ID = 4981
pd id = 4986
bbox id = 4984
VolId: Volume DrcEvSensor not found
EV id = 0
 -I- PndDrc: Intialization successfull
 -I- Initializing PndFts()
 -I- Initializing PndFtof()
[INFO   ] Initialize Tasks-----------------------
 -I- PndEmcHitProducer INITIALIZATION ********************
-I- PndEmcHitProducer: Using nonuniform lightoutput
HitProducer has EnergyHitThreshold of 0.000001 GeV and Use_nonuniformity 1
-I- PndEmcHitProducer: Intialization successfull
[INFO   ] Simulation RunID: 1466498717

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

 Cross section calculation concluded successfully
[INFO   ] Monte Carlo Engine Initialisation with: TGeant3TGeo
 **** GTRIGI: IEVENT=        1 IDEVT=        1 Random Seeds = 2010973484          0
 **** GTRIGI: IEVENT=        2 IDEVT=        2 Random Seeds = 2010973484          0
 **** GTRIGI: IEVENT=        3 IDEVT=        3 Random Seeds = 2010973484          0
 **** GTRIGI: IEVENT=        4 IDEVT=        4 Random Seeds = 2010973484          0
 **** GTRIGI: IEVENT=        5 IDEVT=        5 Random Seeds = 2010973484          0
=========================================================
PndEmcHitProducer::FinishTask
**********************************************************
Read points # 2670
Produc hits# 522, threshold# 0.000
Hits above threshhod#142
**********************************************************
[INFO   ] ***   PndEmcGeoPar written to ROOT file    version: 1
[INFO   ] ***   PndSensorNamePar written to ROOT file    version: 1
[INFO   ] ***   PndEmcDigiPar written to ROOT file    version: 1
[INFO   ] ***   PndEmcDigiNonuniformityPar written to ROOT file    version: 1
[INFO   ] ***   FairBaseParSet written to ROOT file    version: 1
[INFO   ] ***   FairGeoParSet written to ROOT file    version: 1
[INFO   ] ***   PndMultiFieldPar written to ROOT file    version: 1
[INFO   ] ***   PndGeoPassivePar written to ROOT file    version: 1
[INFO   ] ***   PndGeoSttPar written to ROOT file    version: 1
[INFO   ] ***   PndGeoFtsPar written to ROOT file    version: 1
[INFO   ] ***   PndRichGeoPar written to ROOT file    version: 1
[INFO   ] ***   PndGeoSciTPar written to ROOT file    version: 1
[INFO   ] ***   PndGeoFtofPar written to ROOT file    version: 1
RealTime=79.521048 seconds, CpuTime=78.990000 seconds
 Test passed
 All ok
(int)-1557637376
```

Subject: Re: Problems with macros
Posted by Klaus Götzen on Tue, 21 Jun 2016 09:36:31 GMT

Hi Jenny,

I can't observe the problem with rev. 29169, nov15p1 and 15.11a on GSI machines (lxbk). Maybe the macro would still finish later, but it gets stuck in accessing some network resources.

You could try to add a 'return;' statement to the end of the macro, although I don't believe that this helps. I wouldn't recommend the 'exit(0);' since it sometimes breaks the output. You could also try to use the 'supposed to be new standard' macros in macro/master instead, or try on a different machine.

Best,
Klaus

Subject: Re: Problems with macros
Posted by Jennifer Pütz on Tue, 21 Jun 2016 13:43:06 GMT

Hi Klaus,

thank you very much for your quick reply. I checked the suggestions you made, but none of them worked. Finally, I reinstalled everything, and now it works again.

Best,
Jenny