
Subject: Geant 4 Problem?

Posted by [Tobias Stockmanns](#) on Thu, 17 Jul 2008 08:48:27 GMT

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Dear pandaROOTers,

I have checked out the latest release of pandaRoot from SVN (3227) and I did a make clean and make install. But when I try to run the MVD simulation macro I get the following error message:

Geant4 version Name: geant4-09-01 (14-December-2007)

Copyright : Geant4 Collaboration

Reference : NIM A 506 (2003), 250-303

WWW : <http://cern.ch/geant4>

Info in <TG4RootNavMgr::Initialize>: Creating G4 hierarchy ...

Info in <TGeoManager::ConvertReflections>: Converting reflections in: CBMGeom - CBM geometry ...

Info in <TGeoManager::ConvertReflections>: Done

==> GEANT4 materials created and mapped to TGeo ones...

==> GEANT4 physical volumes created and mapped to TGeo hierarchy...

INFO: TG4RootDetectorConstruction::Construct() finished

TG4PostDetConstruction::Initialize

G4 Stat: instantiated 2181 logical volumes

76673 physical volumes

The tables for UV photon tracking set for FusedSil

The tables for UV photon tracking set for NLAK33A

The tables for UV photon tracking set for Mirror

The tables for UV photon tracking set for DIRCair

The tables for UV photon tracking set for DIRCairNoSens

Info in <TG4RootNavMgr::ConnectToG4>: ROOT detector construction class connected to G4RunManager

Adding HadronPhysicsList QGSP_BERT_EMV

<<< Geant4 Physics List engine packaging library: PACK 5.4

<<< Geant4 Physics List simulation engine: QGSP_BERT_EMV 1.0

Adding SpecialPhysicsList

Debug mode is switched on.

Visualization Manager instantiating...

Visualization Manager initialising...

Registering graphics systems...

/home/stockman/fairroot/cbmsoft/tools/root/bin/root.exe: symbol lookup error:

/home/stockman/fairroot/cbmsoft/transport/geant4_vmc/lib/tgt_linux/libgeant4vmc.so:

undefined symbol: _ZN19G4OpenGLImmediateXmC1Ev

Has someone an idea what might have caused this problem?

Cheers,

Tobias

Subject: Re: Geant 4 Problem?

Posted by [Mohammad Al-Turany](#) on Thu, 17 Jul 2008 09:23:13 GMT

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Hallo Tobias,

the G4OpenGLImmediateXm is part of the G4 visualization which we do not use! and I checked our installation scripts we do not set the flages :

```
G4VIS_BUILD_OPENGLXM_DRIVER
G4VIS_USE_OPENGLXM
```

and in the libgeant4vmc.so there is no symbol ZN19G4OpenGLImmediateXmC1Ev at all!

So for me this could be the result of:

1. you configure Geant4 your self!
2. g4libs.C: did you change anything there!
3. you updated the Geant4VMC your self and linked to another G4 installation!

hope this will help you!

regards

Mohammad
