
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/cbmssoft/tools/root/bin/root.exe: symbol lookup error:
```

```
/home/stockman/fairroot/cbmssoft/transport/geant4_vmc/lib/tgt_linux/libge_ant4vmc.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
