
Subject: Re: simulation does not work with G4 for ROOT files with geometry
Posted by [Aleksandra Biegun](#) on Wed, 28 Nov 2007 16:02:44 GMT
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Hi Mohammad,

yes, I start with options "-l" and "-b",
but adding gSystem->Load("libGui") library helped G4 for
'mvd' almost completely (now, I have only warnings when I'm
leaving root:

```
WARNING - Attempt to delete the physical volume store while geometry closed !  
WARNING - Attempt to delete the logical volume store while geometry closed !  
WARNING - Attempt to delete the solid store while geometry closed !  
WARNING - Attempt to delete the region store while geometry closed !);
```

'dch' also works with G4, but still I have the same warnings and

```
*** Break *** segmentation violation  
Using host libthread_db library "/lib/libthread_db.so.1".  
Attaching to program: /proc/7855/exe, process 7855  
'system-supplied DSO at 0xffffe000' has disappeared; keeping its symbols.  
...
```

and for 'emc', when I run with G4 I got an error:

```
Running TVirtualMCApplication::ConstructGeometry  
*****  
Geant4 version Name: geant4-09-00 (29-June-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...  
Cannot make material for volume: top  
Aborting in CreateLogicalVolume()  
  
*** G4Exception: Aborting execution ***
```

The material for 'top' volume of emc is set to air (when the root file is created) but it's not
registered to TGeoManager into pandaroot software, so maybe this is the problem?
How do you think?

Regards,
Ola.

