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Subject: simulation does not work with G4 for ROOT files with geometry

Posted by [Aleksandra Biegun](#) on Wed, 28 Nov 2007 14:26:01 GMT

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Hello,

today I downloaded last version of pandaroot.  
I exported path to new external packages  
which are at /misc/cbmsoft/Debian3.1/development

I compiled pandaroot software without any errors and then  
I tried to run macra with geometry taken from the ROOT file,  
i.e. /pandaroot/macro/

emc/sim\_emc.C (geometry file: emc\_module3.root)  
dch/runMC.C (geometry file: dch.root)  
mvd/runMvdSim.C (geometry file: MVD14.root)

None of this works for me with G4, I got such error message:

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...  
Loading Geant4 granular libraries ...  
Loading VGM libraries ...  
dlopen error: /misc/cbmsoft/Debian3.1/development/transport/geant4_vmc/lib/tgt_linux/  
ibgeant4vmc.so: undefined symbol: _ZNK8TGWindow7GetNameEv  
Load Error: Failed to load Dynamic link library  
/misc/cbmsoft/Debian3.1/development/transport/geant4_vmc/lib/tgt_linux/  
ibgeant4vmc.so  
(int)(-1)  
*** Interpreter error recovered ***  
Error: Symbol TG4RunConfiguration is not defined in current scope  
/d/panda02/abiegun/pandaroot/gconfig/g4Config.C:29:  
Error: Symbol TG4RunConfiguration is not defined in current scope  
/d/panda02/abiegun/pandaroot/gconfig/g4Config.C:29:  
Error: type TG4RunConfiguration not defined  
FILE:/d/panda02/abiegun/pandaroot/gconfig/g4Config.C LINE:29  
Warning: Automatic variable TG4RunConfiguration* runConfiguration is allocated  
/d/panda02/abiegun/pandaroot/gconfig/g4Config.C:29:  
Error: Undeclared variable TG4RunConfiguration* runConfiguration  
/d/panda02/abiegun/pandaroot/gconfig/g4Config.C:29:  
*** Interpreter error recovered ***  
  
*** Break *** segmentation violation  
Using host libthread_db library "/lib/libthread_db.so.1".  
Attaching to program: /proc/32678/exe, process 32678  
'system-supplied DSO at 0xffffe000' has disappeared; keeping its symbols.  
done.  
done.  
[Thread debugging using libthread_db enabled]  
[New Thread 16384 (LWP 32678)]  
done.  
...
```

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With G3 those detectors works, but for 'emc' and 'dch'  
I got 'segmentation violation' error after quitting root  
like below:

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...  
RealTime=7.715130 seconds, CpuTime=6.270000 seconds  
root [1] .q

\*\*\* Break \*\*\* segmentation violation  
Using host libthread\_db library "/lib/libthread\_db.so.1".  
Attaching to program: /proc/2100/exe, process 2100  
'system-supplied DSO at 0xffffe000' has disappeared; keeping its symbols.  
done.  
done.

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...  
Maybe I have forgotten about some settings?

Do you have any idea about it?

Best regards,  
Aleksandra.