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:

...
Loading Geant4 granular libraries ...
Loading VGM libraries ...
dlopen error: /misc/cbmsoft/Debian3.1/development/transport/geant4_vmc/lib/tgt_linux/l
ibgeant4vmc.so: undefined symbol: _ZNK8TGWindow7GetNameEv
Load Error: Failed to load Dynamic link library
/misc/cbmsoft/Debian3.1/development/transport/geant4_vmc/lib/tgt_linux/l 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.
...

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

...
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.
...

Maybe I have forgotten about some settings?

Do you have any idea about it?

Best regards,
Aleksandra.