
Subject: Geant4 not working with mc generation

Posted by [Raghav Kunnawalkam](#) on Mon, 02 Jul 2012 14:57:39 GMT

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Hi All

I was doing mc simulations based on the examples given in fairroot and i have just noticed that i was using TGeant3 for all my stuff. I changed it to TGeant4 to see whats the difference since i was told the Geant4 has much better implementation of physics process for particles through a medium and it looks like my program is not able to see it. But i am very sure that my geant4 is properly defined.

here is the error message:

```
Loading Geant4 global libraries ...Our Macro
sh: /Users/raghav/fairsoft/bin/geant4-config: No such file or directory
Error in <TUnixSystem::GetFromPipe>: command "$SIMPATH/bin/geant4-config --libs"
returned 32512
Loading VGM libraries ...
Loading g4root library ...
dlopen error: dlopen(/Users/raghav/fairsoft/transport/geant4_vmc/lib/libg4root.so, 9): Symbol
not found: __ZTI27G4VUserDetectorConstruction
  Referenced from: /Users/raghav/fairsoft/transport/geant4_vmc/lib/libg4root.so
  Expected in: flat namespace
in /Users/raghav/fairsoft/transport/geant4_vmc/lib/libg4root.so
Load Error: Failed to load Dynamic link library
/Users/raghav/fairsoft/transport/geant4_vmc/lib/libg4root.so
Warning: Return value of void g4libs_global() ignored
/Users/raghav/fairsoft/transport/macro/g4libs.C:135:
Error: Symbol TG4RunConfiguration is not defined in current scope
/Users/raghav/fairroot/example/gconfig/g4Config.C:29:
Error: Symbol TG4RunConfiguration is not defined in current scope
/Users/raghav/fairroot/example/gconfig/g4Config.C:29:
Error: type TG4RunConfiguration not defined
FILE:/Users/raghav/fairroot/example/gconfig/g4Config.C LINE:29
Error: Invalid type 'TG4RunConfiguration*' in declaration of 'runConfiguration'
/Users/raghav/fairroot/example/gconfig/g4Config.C:29:
*** Interpreter error recovered ***
SetCuts Macro: Setting Processes..
Error: illegal pointer to class object gMC 0x0 3002
/Users/raghav/fairroot/example/gconfig/SetCuts.C:23:
*** Interpreter error recovered ***

*** Break *** segmentation violation
```

I appreciate the help guys,
Cheers
Raghav