
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 "\$SIMPATHTH/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
