Subject: Re: Geant4 not working with mc generation
Posted by Raghav Kunnawalkam on Tue, 03 Jul 2012 13:52:56 GMT
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Hi Mohammad

UPDATE:: I got it working now, It was just a simple path mistake.
Thanks for your help.

When i installed fairsoft, i selected the option of installing them in their source directories itself.

Here is the log file from my last installation:
OpenGL found on this system
C++ compiler found in PATH
*** Compiling the external packages with the GCC compiler
*** Building the libraries with best optimization
The following parameters are set.
System   : 64bit
C++ compiler   : g++
C compiler   : gcc
Fortran compiler   : gfortran
CXXFLAGS   : -O3
CFLAGS   : -O3
Compiler   : gcc
Debug   : no
Optimization   : yes
Platform   : macosx
Architecture   : macosx64
G4System   : Darwin-g++
g4_data_files   : yes
g4_get_data   : no
Number of parallel
processes for build : 4
Found cmake version 2.8.7 which is newer than the
required version 2.8.2 in PATH
This version is okay. Don't install cmake as external package.
*** Package gtest is OK ***
*** Package glpk is OK ***
*** Package gsl is OK ***
*** Package Boost is OK ***
*** Package ApMon is OK ***
*** Package ml-gsoapclient is OK ***
*** Package Pythia6 is OK ***
*** Package pythia8 is OK ***
*** Package Clhep is OK ***
*** Package Geant4-Source is OK ***
*** Package Geant4-lib is OK ***
**** Installing the Geant4 data files ****
*** Package G4EMLOW already unpacked ***
*** Package G4NDL already unpacked ***
*** Package RadioactiveDecay already unpacked ***

*** Package PhotonEvaporation already unpacked ***
*** Package G4ABLA already unpacked ***
*** Package RealSurface already unpacked ***
*** Package G4NEUTRONXS already unpacked ***
*** Package G4PII already unpacked ***
*** Compiling root ....
Copied rootconfig.sh ....
Configure Root ....
*** root compiled successfully ***
*** Package pluto is OK ***
*** Package Geant3 is OK ***
*** Package VGM is OK ***
*** Package Geant4_VMC is OK ***
*** End installation of external packages without Errors***

It says that geant4 is installed properly. I think that there is something wrong with my libraries path.

This is the output that you asked for, in the source directory fairsoft.
raghav:fairsoft raghav$ svn info
Path: .
URL: https://subversion.gsi.de/fairroot/fairsoft/trunk
Repository Root: https://subversion.gsi.de/fairroot
Repository UUID: 0381ead4-6506-0410-b988-94b70fbc4730
Revision: 15305
Node Kind: directory
Schedule: normal
Last Changed Author: uhlig
Last Changed Rev: 15284
Last Changed Date: 2012-04-16 08:13:00 -0400 (Mon, 16 Apr 2012)

Cheers
Raghav

UPDATE::

I played around with the libraries and copied the geant4-config file to the spot that it wanted and now it looks like it can see geant4 or atleast most of it.

I am having some problems regarding specific files, namely the data file for low energy EM processes. I tried getting the new data file and unpacked it and placed it in the place of the old one (even though i think that they are both the same), i am still getting the same issues.

-------------- input/output ---
first input: none
second input: none
output:
OBJ: FairParRootFile /Users/raghav/fairroot/example/EIC/macros/data/params_test_A_C.root
: 0 at: 0x7ff5ecb49a70
Root file I/O /Users/raghav/fairroot/example/EIC/macros/data/params_test_A_C.root is open
detector I/Os: FairGenericParIo

-------- EEEE ------- G4Exception-START -------- EEEE -------
*** G4Exception : em0003
    issued by : G4SeltzerBergerModel::ReadData()
Bremsstrahlung data file </brem_SB/br1> is not opened!
G4LEDATA version should be G4EMLOW6.23 or later.

*** Fatal Exception *** core dump ***
-------- EEEE -------- G4Exception-END --------- EEEE -------