
Subject: Re: New external packages (jan12)
Posted by [Christian Hammann](#) on Thu, 16 Feb 2012 16:55:08 GMT
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Hi everybody,

unfortunately there are still problems with the new external packages here in Bonn. We had the problem compiling Geant4 which was reported by Simone. He solved it by compiling Geant4 as a static library instead of a dynamic one.

At first this seemed to work, but it turned out Simone only tested it with Geant3. If one tries to use Geant4 root is not able to load (some of) the required Geant4 libs and gives the following error:

```
dlopen error: /disk/user/bianco/ext_jan12_32/build/lib/libG4Tree.a: invalid ELF header
Load Error: Failed to load Dynamic link library
/disk/user/bianco/ext_jan12_32/build/lib/libG4Tree.a
```

So we are back to the original compilation error of Geant:

```
-- [download 70% complete]
[ 83%] Building CXX object
source/processes/CMakeFiles/G4processes.dir/transportation/src/G4StepLimiter.cc.o
[ 83%] Building CXX object
source/processes/CMakeFiles/G4processes.dir/transportation/src/G4Transportation.cc.o
[ 83%] Building CXX object
source/processes/CMakeFiles/G4processes.dir/transportation/src/G4UserSpecialCuts.cc.o
[ 83%] Building CXX object
source/processes/CMakeFiles/G4processes.dir/transportation/src/G4VTrackTerminator.cc.o
Linking CXX shared library ../outputs/library/Linux-g++/libG4processes.so
Error running link command: Argument list too long
make[2]: *** [outputs/library/Linux-g++/libG4processes.so] Error 2
make[1]: *** [source/processes/CMakeFiles/G4processes.dir/all] Error 2
make[1]: *** Waiting for unfinished jobs....
```

Any ideas on that?

Cheers,
Christian
