
Subject: Re: Toward new geant4, new new root and new vmc: compilation
Posted by [StefanoSpataro](#) on Fri, 10 Aug 2007 18:05:23 GMT

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After installing here in Gießen these external packages and PandaRoot with all the fixes, here the status:

Simulation does not work with geant3, but I have to investigate on the reason. Maybe some options in the g3Config.C that need an update, I do not know. It seems it is not able to close the geometry (FinishGeometry)

Help is well accepted... in each case read even after the log message...

Info in <TGeoManager::CloseGeometry>: -----modeler ready-----

```
*** Break *** segmentation violation
Using host libthread_db library "/lib/libthread_db.so.1".
Attaching to program: /proc/5369/exe, process 5369
`system-supplied DSO at 0xffffe000' has disappeared; keeping its symbols.
[Thread debugging using libthread_db enabled]
[New Thread -1224095552 (LWP 5369)]
0xffffe410 in __kernel_vsyscall ()
#1  0xb7156a03 in waitpid () from /lib/libc.so.6
#2  0xb7101569 in strtold_l () from /lib/libc.so.6
#3  0xb71f736d in system () from /lib/libpthread.so.0
#4  0xb7ab5d2d in TUnixSystem::Exec () from
/d/c0/cbmsoft/newcbmsoft/tools/root/lib/libCore.so.5.16
#5  0xb7aba467 in TUnixSystem::StackTrace () from
/d/c0/cbmsoft/newcbmsoft/tools/root/lib/libCore.so.5.16
#6  0xb7ab9dff in TUnixSystem::DispatchSignals () from
/d/c0/cbmsoft/newcbmsoft/tools/root/lib/libCore.so.5.16
#7  0xb7ab9f2d in SigHandler () from /d/c0/cbmsoft/newcbmsoft/tools/root/lib/libCore.so.5.16
#8  0xb7ab30b0 in sighandler () from /d/c0/cbmsoft/newcbmsoft/tools/root/lib/libCore.so.5.16
#9  <signal handler called>
#10 0xb39b2456 in TGeant3TGeo::FinishGeometry (this=0x8617b08) at
TGeant3TGeo.cxx:2068
#11 0xb39adc9e in TGeant3::Init (this=0x8617b08) at TGeant3.cxx:5862
#12 0xb35dfe0f in CbmMCApplication::InitMC (this=0x85c55a0, setup=0x85d1300
"/home/spataro/newbuild/pandaroot/gconfig/g3Config.C")
    at /home/spataro/newbuild/pandaroot/base/CbmMCApplication.cxx:211
#13 0xb35efb18 in CbmRunSim::Init (this=0x855f060) at
/home/spataro/newbuild/pandaroot/base/CbmRunSim.cxx:117
#14 0xb361f607 in G__CbmDict_641_0_4 (result7=0xbffaf21c, funcname=0x855cab0 "\001",
libp=0xbffa8e54, hash=0) at /home/spataro/newbuild/cbuild/base/CbmDict.cxx:8192
```

Simulation seems to work with Geant4.

In particular the computation for EMC (photons) is now fast and it seems we have an improvement in reconstructed energy (plots the next week, hopefully)