
Subject: Re: New release of external packages
Posted by [Johan Messchendorp](#) on Sat, 13 Oct 2007 16:33:14 GMT
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Hi,

A problem which I encounter with the new external packages. I try to run the "sim_emc.C" macro with "TGeant4" transport model. The result is, however, a floating-point exception after the second event (see dump below). Any idea, what the cause is?

Johan.

```
### Run 0 start.
```

```
-I CbmPrimaryGenerator: 1 primary tracks from vertex (0, 0, 0)
```

```
>>> Event 0
```

```
>>> End of Event 0
```

```
-I CbmPrimaryGenerator: 1 primary tracks from vertex (0, 0, 0)
```

```
>>> Event 1
```

```
>>> End of Event 1
```

```
-I CbmPrimaryGenerator: 1 primary tracks from vertex (0, 0, 0)
```

```
>>> Event 2
```

```
*** Break *** floating point exception
```

```
Using host libthread_db library "/lib/tls/libthread_db.so.1".
```

```
Attaching to program: /proc/30488/exe, process 30488
```

```
`system-supplied DSO at 0xffffe000' has disappeared; keeping its symbols.
```

```
[Thread debugging using libthread_db enabled]
```

```
[New Thread 1447467584 (LWP 30488)]
```

```
0x563b03ae in waitpid () from /lib/tls/libc.so.6
```

```
#1 0x56345d12 in system () from /lib/tls/libc.so.6
```

```
#2 0x563028af in system () from /lib/tls/libpthread.so.0
```

```
#3 0x5573aedf in TUnixSystem::Exec () from
```

```
/home/rugkvi04/kvi/fairroot/cbmsoft/tools/root/lib/libCore.so.5.16
```

```
#4 0x5573b383 in TUnixSystem::StackTrace () from
```

```
/home/rugkvi04/kvi/fairroot/cbmsoft/tools/root/lib/libCore.so.5.16
```

```
#5 0x55738c9c in TUnixSystem::DispatchSignals () from
```

```
/home/rugkvi04/kvi/fairroot/cbmsoft/tools/root/lib/libCore.so.5.16
```

```
#6 0x55736a78 in SigHandler () from
```

```
/home/rugkvi04/kvi/fairroot/cbmsoft/tools/root/lib/libCore.so.5.16
```

```
#7 0x5573e3ce in sighandler () from
```

```
/home/rugkvi04/kvi/fairroot/cbmsoft/tools/root/lib/libCore.so.5.16
```

```
#8 <signal handler called>
```

```
#9 0x566ac13b in TGeoScaledShape::DistFromInside () from
```

```
/home/rugkvi04/kvi/fairroot/cbmsoft/tools/root/lib/libGeom.so
```

```
#10 0x5668701a in TGeoNavigator::FindNextBoundary () from
```

```
/home/rugkvi04/kvi/fairroot/cbmsoft/tools/root/lib/libGeom.so
```

```
#11 0x5667113b in TGeoManager::FindNextBoundary () from
```

```
/home/rugkvi04/kvi/fairroot/cbmsoft/tools/root/lib/libGeom.so
```

```
#12 0x5c13573e in TG4RootNavigator::ComputeStep () from
```

```
/home/rugkvi04/kvi/fairroot/cbmsoft/tools/root/lib/libG4root.so
```

#13 0x5a8bff3b in G4Transportation::AlongStepGetPhysicalInteractionLength ()
 from /home/rugkvi04/kvi/fairroot/cbmsoft/transport/geant4/lib/Linux-g++/libG4
 transportation.so

#14 0x5bbcc641 in G4SteppingManager::DefinePhysicalStepLength () from
 /home/rugkvi04/kvi/fairroot/cbmsoft/transport/geant4/lib/Linux-g++/libG4 tracking.so

#15 0x5bbce852 in G4SteppingManager::Stepping () from
 /home/rugkvi04/kvi/fairroot/cbmsoft/transport/geant4/lib/Linux-g++/libG4 tracking.so

#16 0x5bbd4dd3 in G4TrackingManager::ProcessOneTrack () from
 /home/rugkvi04/kvi/fairroot/cbmsoft/transport/geant4/lib/Linux-g++/libG4 tracking.so

#17 0x5bc373e2 in G4EventManager::DoProcessing () from
 /home/rugkvi04/kvi/fairroot/cbmsoft/transport/geant4/lib/Linux-g++/libG4 event.so

#18 0x5bc3807d in G4EventManager::ProcessOneEvent () from
 /home/rugkvi04/kvi/fairroot/cbmsoft/transport/geant4/lib/Linux-g++/libG4 event.so

#19 0x5bcc2675 in G4RunManager::DoEventLoop () from
 /home/rugkvi04/kvi/fairroot/cbmsoft/transport/geant4/lib/Linux-g++/libG4 run.so

#20 0x5bcc1cc1 in G4RunManager::BeamOn () from
 /home/rugkvi04/kvi/fairroot/cbmsoft/transport/geant4/lib/Linux-g++/libG4 run.so

#21 0x5c205a5b in TG4RunManager::ProcessRun () from
 /home/rugkvi04/kvi/fairroot/cbmsoft/transport/geant4_vmc/lib/tgt_linux/l ibgeant4vmc.so

#22 0x5c20c8d9 in TGeant4::ProcessRun () from
 /home/rugkvi04/kvi/fairroot/cbmsoft/transport/geant4_vmc/lib/tgt_linux/l ibgeant4vmc.so

#23 0x59f644c2 in CbmMCApplication::RunMC (this=0x858bb10, nofEvents=10) at
 /home/rugkvi04/kvi/fairroot_jgm/cbmsoft/pandaroot/base/CbmMCApplication.cxx:193

#24 0x59f75b7f in CbmRunSim::Run (this=0x84b0da0, NStart=10, NStop=0) at
 /home/rugkvi04/kvi/fairroot_jgm/cbmsoft/pandaroot/base/CbmRunSim.cxx:141

#25 0x59fa05de in G__CbmDict_519_0_5 (result7=0xffff0180, funcname=0x84af960 "\001",
 libp=0xffda3d0, hash=0)
 at /home/rugkvi04/kvi/fairroot_jgm/cbmsoft/buildPanda/base/CbmDict.cxx:8229

#26 0x55c91f76 in Cint::G__ExceptionWrapper () from
 /home/rugkvi04/kvi/fairroot/cbmsoft/tools/root/lib/libCint.so.5.16

#27 0x55d5fc0a in G__call_cppfunc () from
 /home/rugkvi04/kvi/fairroot/cbmsoft/tools/root/lib/libCint.so.5.16

#28 0x55d4c68d in G__interpret_func () from
 /home/rugkvi04/kvi/fairroot/cbmsoft/tools/root/lib/libCint.so.5.16

#29 0x55d2cf52 in G__getfunction () from
 /home/rugkvi04/kvi/fairroot/cbmsoft/tools/root/lib/libCint.so.5.16

#30 0x55de14aa in G__getstructmem () from
 /home/rugkvi04/kvi/fairroot/cbmsoft/tools/root/lib/libCint.so.5.16

#31 0x55dd8d56 in G__getvariable () from
 /home/rugkvi04/kvi/fairroot/cbmsoft/tools/root/lib/libCint.so.5.16

#32 0x55d2298b in G__getitem () from
 /home/rugkvi04/kvi/fairroot/cbmsoft/tools/root/lib/libCint.so.5.16

#33 0x55d12c66 in G__getexpr () from
 /home/rugkvi04/kvi/fairroot/cbmsoft/tools/root/lib/libCint.so.5.16

#34 0x55d7f058 in G__exec_function () from
 /home/rugkvi04/kvi/fairroot/cbmsoft/tools/root/lib/libCint.so.5.16

#35 0x55d87608 in G__exec_statement () from
 /home/rugkvi04/kvi/fairroot/cbmsoft/tools/root/lib/libCint.so.5.16

#36 0x55d4a152 in G__interpret_func () from
 /home/rugkvi04/kvi/fairroot/cbmsoft/tools/root/lib/libCint.so.5.16

#37 0x55d2e5a7 in G__getfunction () from
 /home/rugkvi04/kvi/fairroot/cbmsoft/tools/root/lib/libCint.so.5.16

#38 0x55d22ec8 in G__getitem () from
/home/rugkvi04/kvi/fairroot/cbmsoft/tools/root/lib/libCint.so.5.16
#39 0x55d12c66 in G__getexpr () from
/home/rugkvi04/kvi/fairroot/cbmsoft/tools/root/lib/libCint.so.5.16
#40 0x55d11b00 in G__calc_internal () from
/home/rugkvi04/kvi/fairroot/cbmsoft/tools/root/lib/libCint.so.5.16
#41 0x55d93699 in G__process_cmd () from
/home/rugkvi04/kvi/fairroot/cbmsoft/tools/root/lib/libCint.so.5.16
#42 0x5570958b in TCint::ProcessLine () from
/home/rugkvi04/kvi/fairroot/cbmsoft/tools/root/lib/libCore.so.5.16
#43 0x5570972a in TCint::ProcessLineSynch () from
/home/rugkvi04/kvi/fairroot/cbmsoft/tools/root/lib/libCore.so.5.16
#44 0x5566f99c in TApplication::ProcessFile () from
/home/rugkvi04/kvi/fairroot/cbmsoft/tools/root/lib/libCore.so.5.16
#45 0x5566f084 in TApplication::ProcessLine () from
/home/rugkvi04/kvi/fairroot/cbmsoft/tools/root/lib/libCore.so.5.16
#46 0x561e63c6 in TRint::Run () from
/home/rugkvi04/kvi/fairroot/cbmsoft/tools/root/lib/libRint.so.5.16
#47 0x08048e2e in main ()
