
Subject: Segmentation Violation when simulating events with run_sim1.C

Posted by [Marius Mertens](#) on Wed, 04 Feb 2009 12:59:52 GMT

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Hi all,

I'm running a slightly modified version of macro/run/run_sim1.C with Pandaroot Revision 4484 for simulation.

Unfortunately, after a few hundred events, I get the following error:

```
*** Break *** segmentation violation
Toggle Spoiler
Using host libthread_db library "/lib/libthread_db.so.1".
Attaching to program: /proc/24598/exe, process 24598
[Thread debugging using libthread_db enabled]
[New Thread -1227835696 (LWP 24598)]
0xb7f89410 in __kernel_vsyscall ()
#1 0xb6dcb5c3 in __waitpid_nocancel () from /lib/libc.so.6
#2 0xb6d75d3b in do_system () from /lib/libc.so.6
#3 0xb6e7b51d in system () from /lib/libpthread.so.0
#4 0xb7a4a24d in TUnixSystem::Exec ()
    from /usr/local/panda/fairroot/fairsoft/tools/root_v5.20.00/lib/libCore.so.5. 20
#5 0xb7a4f717 in TUnixSystem::StackTrace ()
    from /usr/local/panda/fairroot/fairsoft/tools/root_v5.20.00/lib/libCore.so.5. 20
#6 0xb7a4e71e in TUnixSystem::DispatchSignals ()
    from /usr/local/panda/fairroot/fairsoft/tools/root_v5.20.00/lib/libCore.so.5. 20
#7 0xb7a4e7ed in SigHandler ()
    from /usr/local/panda/fairroot/fairsoft/tools/root_v5.20.00/lib/libCore.so.5. 20
#8 0xb7a47734 in sighandler ()
    from /usr/local/panda/fairroot/fairsoft/tools/root_v5.20.00/lib/libCore.so.5. 20
#9 <signal handler called>
#10 0xb6899b3f in TGeoNavigator::CdDown ()
    from /usr/local/panda/fairroot/fairsoft/tools/root_v5.20.00/lib/libGeom.so
#11 0xb689bccb in TGeoNavigator::SearchNode ()
    from /usr/local/panda/fairroot/fairsoft/tools/root_v5.20.00/lib/libGeom.so
#12 0xb689ca1e in TGeoNavigator::CrossBoundaryAndLocate ()
    from /usr/local/panda/fairroot/fairsoft/tools/root_v5.20.00/lib/libGeom.so
#13 0xb687f8f2 in TGeoManager::CrossBoundaryAndLocate ()
    from /usr/local/panda/fairroot/fairsoft/tools/root_v5.20.00/lib/libGeom.so
#14 0xaf9631ad in TG4RootNavigator::LocateGlobalPointAndSetup ()
    from /usr/local/panda/fairroot/fairsoft/tools/root_v5.20.00/lib/libG4root.so
#15 0xb1d06e18 in G4Navigator::LocateGlobalPointAndUpdateTouchableHandle
(this=0xb0773c0,
    position=@0xe403fcc, direction=@0xe3fb488, oldTouchableToUpdate=@0xd0d745c,
    RelativeSearch=true)
    at /usr/local/panda/fairroot/fairsoft/transport/geant4/source/geometry/navigation/include/G4Navigator.icc:321
#16 0xb1d03cf2 in G4Transportation::PostStepDolt (this=0xd0d72f8, track=@0xe403fc8)
    at src/G4Transportation.cc:623
#17 0xb05bd622 in G4SteppingManager::InvokePSDIP (this=0xb07fea0, np=0) at
src/G4SteppingManager2.cc:503
#18 0xb05bd909 in G4SteppingManager::InvokePostStepDoltProcs (this=0xb07fea0)
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at src/G4SteppingManager2.cc:479
#19 0xb05b9566 in G4SteppingManager::Stepping (this=0xb07fea0) at
src/G4SteppingManager.cc:210
#20 0xb05c7c96 in G4TrackingManager::ProcessOneTrack (this=0xb07fe78,
apValueG4Track=0xe403fc8)
at src/G4TrackingManager.cc:126
#21 0xb047d341 in G4EventManager::DoProcessing (this=0xb07fe30, anEvent=0xb08c078)
at src/G4EventManager.cc:185
#22 0xb047dade in G4EventManager::ProcessOneEvent (this=0xb07fe30,
anEvent=0xb08c078)
at src/G4EventManager.cc:335
#23 0xb04164db in G4RunManager::DoEventLoop (this=0xb07fd80, n_event=3600,
macroFile=0x0, n_select=-1)
at src/G4RunManager.cc:235
#24 0xb0414e4e in G4RunManager::BeamOn (this=0xb07fd80, n_event=3600,
macroFile=0x0, n_select=-1)
at src/G4RunManager.cc:140
#25 0xaf903fb7 in TG4RunManager::ProcessRun ()
from /home/mertens/pandaroot/transport/geant4_vmc/lib/tgt_linux/libgeant4vmc.so
#26 0xaf9082e7 in TGeant4::ProcessRun ()
from /home/mertens/pandaroot/transport/geant4_vmc/lib/tgt_linux/libgeant4vmc.so
#27 0xb4253669 in CbmMCApplication::RunMC (this=0x8745420, nofEvents=3600)
at /home/mertens/pandaroot/pandaroot/trunk/base/CbmMCApplication.cxx:228
#28 0xb42677f1 in CbmRunSim::Run (this=0x86b8890, NStart=3600, NStop=0)
at /home/mertens/pandaroot/pandaroot/trunk/base/CbmRunSim.cxx:286
#29 0xb42a9b80 in G__CbmDict_531_0_5 (result7=0xbff10970, funcname=0x86b6128 "\001",
libp=0xbff0a504,
hash=0) at /home/mertens/pandaroot/cbuild/base/CbmDict.cxx:9272
#30 0xb718974a in Cint::G__ExceptionWrapper ()
from /usr/local/panda/fairroot/fairsoft/tools/root_v5.20.00/lib/libCint.so.5. 20
#31 0xb7245cf8 in G__execute_call ()
from /usr/local/panda/fairroot/fairsoft/tools/root_v5.20.00/lib/libCint.so.5. 20
#32 0xb7246d4d in G__call_cppfunc ()
from /usr/local/panda/fairroot/fairsoft/tools/root_v5.20.00/lib/libCint.so.5. 20
#33 0xb721ede7 in G__interpret_func ()
from /usr/local/panda/fairroot/fairsoft/tools/root_v5.20.00/lib/libCint.so.5. 20
#34 0xb720ddd3 in G__getfunction ()
from /usr/local/panda/fairroot/fairsoft/tools/root_v5.20.00/lib/libCint.so.5. 20
#35 0xb72fac22 in G__getstructmem ()
from /usr/local/panda/fairroot/fairsoft/tools/root_v5.20.00/lib/libCint.so.5. 20
#36 0xb72f0a80 in G__getvariable ()
from /usr/local/panda/fairroot/fairsoft/tools/root_v5.20.00/lib/libCint.so.5. 20
#37 0xb71e0751 in G__getitem ()
from /usr/local/panda/fairroot/fairsoft/tools/root_v5.20.00/lib/libCint.so.5. 20
#38 0xb71e7df2 in G__getexpr ()
from /usr/local/panda/fairroot/fairsoft/tools/root_v5.20.00/lib/libCint.so.5. 20
#39 0xb7278e9d in G__exec_statement ()
from /usr/local/panda/fairroot/fairsoft/tools/root_v5.20.00/lib/libCint.so.5. 20
#40 0xb7220d9c in G__interpret_func ()
from /usr/local/panda/fairroot/fairsoft/tools/root_v5.20.00/lib/libCint.so.5. 20
#41 0xb720de36 in G__getfunction ()
from /usr/local/panda/fairroot/fairsoft/tools/root_v5.20.00/lib/libCint.so.5. 20

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#42 0xb71e0841 in G__getitem ()
  from /usr/local/panda/fairroot/fairsoft/tools/root_v5.20.00/lib/libCint.so.5. 20
#43 0xb71e7df2 in G__getexpr ()
  from /usr/local/panda/fairroot/fairsoft/tools/root_v5.20.00/lib/libCint.so.5. 20
#44 0xb71f4600 in G__calc_internal ()
  from /usr/local/panda/fairroot/fairsoft/tools/root_v5.20.00/lib/libCint.so.5. 20
#45 0xb7281f8a in G__process_cmd ()
  from /usr/local/panda/fairroot/fairsoft/tools/root_v5.20.00/lib/libCint.so.5. 20
#46 0xb7a3cd65 in TCint::ProcessLine ()
  from /usr/local/panda/fairroot/fairsoft/tools/root_v5.20.00/lib/libCore.so.5. 20
#47 0xb7a3ca1f in TCint::ProcessLineSynch ()
  from /usr/local/panda/fairroot/fairsoft/tools/root_v5.20.00/lib/libCore.so.5. 20
#48 0xb79718e8 in TApplication::ExecuteFile ()
  from /usr/local/panda/fairroot/fairsoft/tools/root_v5.20.00/lib/libCore.so.5. 20
#49 0xb7971c24 in TApplication::ProcessFile ()
  from /usr/local/panda/fairroot/fairsoft/tools/root_v5.20.00/lib/libCore.so.5. 20
#50 0xb796ed6b in TApplication::ProcessLine ()
  from /usr/local/panda/fairroot/fairsoft/tools/root_v5.20.00/lib/libCore.so.5. 20
#51 0xb6fd72b9 in TRint::Run ()
  from /usr/local/panda/fairroot/fairsoft/tools/root_v5.20.00/lib/libRint.so.5. 20
#52 0x08048e23 in main ()
```

Can anybody confirm this or point me at what might be going wrong?

Thanks in advance,

Marius
