
Subject: Re: GEANE and GENFIT

Posted by [Anonymous Poster](#) on Tue, 08 Apr 2008 13:21:07 GMT

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Hi Sebastian,

I tried to run the recotasks/runDemo.C, but it is crashing after 21 events. I used the events Lambda0 ->p+pi- using BoxGenerator. when I use "DemoPR->UseGeane();" option it crashes. Without this option it runs fine. May be there is still some problems. Following are the error messages after crash:

+++++

CbmGeaneUtil::FromSDToMars-1

qp=-9.799 Dqp=0.02927

TV=-2.28 DTV=0.02352

TW=1.476 DTW=0.01498

V=15.47 DV=0.03461

W=1.213 DW=0.03037

*** Error in subr. TRPROP 3 called bysubr. ERPROP

*** Error in subr. TRPROP 3 called bysubr. ERPROP

*** Error in subr. TRPROP 3 called bysubr. ERPROP

*** Break *** floating point exception

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

Attaching to program: /proc/15386/exe, process 15386

Failed to read a valid object file image from memory.

done.

done.

[Thread debugging using libthread_db enabled]

[New Thread 16384 (LWP 15386)]

done.

done.

done.

done.

done.

done.

done.

done.

done.

0x40c90788 in waitpid () from /lib/libc.so.6

#1 0x40d188c0 in __DTOR_END__ () from /lib/libc.so.6

#2 0x40c29442 in do_system () from /lib/libc.so.6

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#3 0x40ba3c5f in system () from /lib/libpthread.so.0
#4 0x401fa79f in TUnixSystem::Exec ()
   from /misc/cbmsoft/Debian3.1/mar08/fairsoft/tools/root/lib/libCore.so.5.18
#5 0x401fac63 in TUnixSystem::StackTrace ()
   from /misc/cbmsoft/Debian3.1/mar08/fairsoft/tools/root/lib/libCore.so.5.18
#6 0x401f85cc in TUnixSystem::DispatchSignals ()
   from /misc/cbmsoft/Debian3.1/mar08/fairsoft/tools/root/lib/libCore.so.5.18
#7 0x401f63a8 in SigHandler ()
   from /misc/cbmsoft/Debian3.1/mar08/fairsoft/tools/root/lib/libCore.so.5.18
#8 0x401fdefe in sighandler ()
   from /misc/cbmsoft/Debian3.1/mar08/fairsoft/tools/root/lib/libCore.so.5.18
#9 0x40ba2825 in __pthread_sighandler () from /lib/libpthread.so.0
#10 <signal handler called>
#11 xmm55_ (a=0x433be198, b=0x433be168, c=0x433be168) at matx55/xmm55.F:42
#12 0x43069289 in trprfn_ (x1=0x4338f458, p1=0x0, h1=0x4338f470, x2=0x4338f494,
p2=0x4338f4a0,
   h2=0x4338f4ac, ch=0x4338f4d0, xl=0x433be198, r=0xbfd8b950, mvar=0xbfd8b940,
   iflag=0xbfd8b944, itran=0x433be198, ierr=0xbfd8b94c) at erpremc/trprfn.F:376
#13 0x43065326 in erprop_ () at erdecks/erprop.F:62
#14 0x430665bb in ertrch_ () at erdecks/ertrch.F:322
#15 0x43066db2 in ertrgo_ () at erdecks/ertrgo.F:236
#16 0x43065be5 in ertrak_ (x1=0xa1b6d38, p1=0xa1b6d44, x2=0xa1b6cac, p2=0xa1b6cb8,
   ipa=0xffffffff, chopt=0xffffffff, __g77_length_chopt=1126230360) at erdecks/ertrak.F:211
#17 0x430ef4b1 in TGeant3::Ertrak (this=0x9b1a5b0, x1=0x433be198, p1=0x433be198,
x2=0x433be198,
   p2=0x433be198, ipa=6, chopt=0xa33b8d0 "PE") at TGeant3/TGeant3.cxx:5392
#18 0x44f7ba60 in CbmGeanePro::Propagate (this=0xa1b6c28, PDG=13)
   at /d/panda02/dipak/pndroot0308/pandaroot/geane/CbmGeanePro.cxx:239
#19 0x44f7b4eb in CbmGeanePro::Propagate (this=0xa1b6c28, TStart=0xbfd8c370,
TEnd=0xbfd8c800,
   PDG=13) at /d/panda02/dipak/pndroot0308/pandaroot/geane/CbmGeanePro.cxx:205
#20 0x45022084 in GeaneTrackRep::extrapolate (this=0xa504bc8, pl=@0xbfd8d5f0,
statePred=@0xbfd8d870, covPred=@0xbfd8d770, jacobian=@0xbfd8d670)
   at /d/panda02/dipak/pndroot0308/pandaroot/trackrep/GeaneTrackRep.cxx:169
#21 0x45022793 in GeaneTrackRep::predict (this=0xa504bc8, pl=@0xbfd8d5f0,
statePred=@0xbfd8d870,
   covPred=@0xbfd8d770, jacobian=@0xbfd8d670)
   at /d/panda02/dipak/pndroot0308/pandaroot/trackrep/GeaneTrackRep.cxx:248
#22 0x44fc5152 in Kalman::processHit (this=0xbfd8da90, hit=0xa0187e0, rep=0xa504bc8,
hitIndex=136) at /d/panda02/dipak/pndroot0308/pandaroot/genfit/Kalman.cxx:165
#23 0x44fc494c in Kalman::continueTrack (this=0xbfd8da90, trk=0xa331f80)
   at /d/panda02/dipak/pndroot0308/pandaroot/genfit/Kalman.cxx:70
#24 0x44fc484b in Kalman::processTrack (this=0xbfd8da90, trk=0xa331f80)
   at /d/panda02/dipak/pndroot0308/pandaroot/genfit/Kalman.cxx:45
#25 0x452c8296 in DemoKalmanTask::Exec (this=0x9bb5368, opt=0x4497fa80 "")
   at /d/panda02/dipak/pndroot0308/pandaroot/recotasks/demo/DemoKalmanTask.cxx :140
#26 0x40190462 in TTask::ExecuteTasks ()
   from /misc/cbmsoft/Debian3.1/mar08/fairsoft/tools/root/lib/libCore.so.5.18
#27 0x40190246 in TTask::ExecuteTask ()
   from /misc/cbmsoft/Debian3.1/mar08/fairsoft/tools/root/lib/libCore.so.5.18
#28 0x4490639f in CbmRunAna::Run (this=0x852d638, Ev_start=0, Ev_end=22)
   at /d/panda02/dipak/pndroot0308/pandaroot/base/CbmRunAna.cxx:157

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#29 0x44942b62 in G__CbmDict_531_0_5 (result7=0xbfd9b680, funcname=0x852bb50
"\001",
libp=0xbfd980d0, hash=0) at /d/panda02/dipak/pndroot0308/build/base/CbmDict.cxx:9370
#30 0x40779856 in Cint::G__ExceptionWrapper ()
from /misc/cbmsoft/Debian3.1/mar08/fairsoft/tools/root/lib/libCint.so.5.18
#31 0x40850ddf in G__call_cppfunc ()
from /misc/cbmsoft/Debian3.1/mar08/fairsoft/tools/root/lib/libCint.so.5.18
#32 0x4083c969 in G__interpret_func ()
from /misc/cbmsoft/Debian3.1/mar08/fairsoft/tools/root/lib/libCint.so.5.18
#33 0x4081bb8c in G__getfunction ()
from /misc/cbmsoft/Debian3.1/mar08/fairsoft/tools/root/lib/libCint.so.5.18
#34 0x408e6469 in G__getstructmem ()
from /misc/cbmsoft/Debian3.1/mar08/fairsoft/tools/root/lib/libCint.so.5.18
#35 0x408e5792 in G__getvariable ()
from /misc/cbmsoft/Debian3.1/mar08/fairsoft/tools/root/lib/libCint.so.5.18
#36 0x40810ac0 in G__getitem ()
from /misc/cbmsoft/Debian3.1/mar08/fairsoft/tools/root/lib/libCint.so.5.18
#37 0x407ffd80 in G__getexpr ()
from /misc/cbmsoft/Debian3.1/mar08/fairsoft/tools/root/lib/libCint.so.5.18
#38 0x40870aa8 in G__exec_function ()
from /misc/cbmsoft/Debian3.1/mar08/fairsoft/tools/root/lib/libCint.so.5.18
#39 0x40880325 in G__exec_statement ()
from /misc/cbmsoft/Debian3.1/mar08/fairsoft/tools/root/lib/libCint.so.5.18
#40 0x407eb88a in G__exec_tempfile_core ()
from /misc/cbmsoft/Debian3.1/mar08/fairsoft/tools/root/lib/libCint.so.5.18
#41 0x407ece41 in G__exec_tempfile ()
from /misc/cbmsoft/Debian3.1/mar08/fairsoft/tools/root/lib/libCint.so.5.18
#42 0x4088b8b4 in G__process_cmd ()
from /misc/cbmsoft/Debian3.1/mar08/fairsoft/tools/root/lib/libCint.so.5.18
#43 0x401c6e45 in TCint::ProcessLine ()
from /misc/cbmsoft/Debian3.1/mar08/fairsoft/tools/root/lib/libCore.so.5.18
#44 0x401c7006 in TCint::ProcessLineSynch ()
from /misc/cbmsoft/Debian3.1/mar08/fairsoft/tools/root/lib/libCore.so.5.18
#45 0x40120ed0 in TApplication::ExecuteFile ()
from /misc/cbmsoft/Debian3.1/mar08/fairsoft/tools/root/lib/libCore.so.5.18
#46 0x40120816 in TApplication::ProcessFile ()
from /misc/cbmsoft/Debian3.1/mar08/fairsoft/tools/root/lib/libCore.so.5.18
#47 0x401205a4 in TApplication::ProcessLine ()
from /misc/cbmsoft/Debian3.1/mar08/fairsoft/tools/root/lib/libCore.so.5.18
#48 0x40b48e4d in TRint::HandleTermInput ()
from /misc/cbmsoft/Debian3.1/mar08/fairsoft/tools/root/lib/libRint.so.5.18
#49 0x40b471a7 in TTermInputHandler::Notify ()
from /misc/cbmsoft/Debian3.1/mar08/fairsoft/tools/root/lib/libRint.so.5.18
#50 0x40b49e04 in TTermInputHandler::ReadNotify ()
from /misc/cbmsoft/Debian3.1/mar08/fairsoft/tools/root/lib/libRint.so.5.18
#51 0x401f89d5 in TUnixSystem::CheckDescriptors ()
from /misc/cbmsoft/Debian3.1/mar08/fairsoft/tools/root/lib/libCore.so.5.18
#52 0x401f7c7d in TUnixSystem::DispatchOneEvent ()
from /misc/cbmsoft/Debian3.1/mar08/fairsoft/tools/root/lib/libCore.so.5.18
#53 0x40180fa0 in TSystem::InnerLoop ()
from /misc/cbmsoft/Debian3.1/mar08/fairsoft/tools/root/lib/libCore.so.5.18
#54 0x40180d61 in TSystem::Run ()

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from /misc/cbmsoft/Debian3.1/mar08/fairsoft/tools/root/lib/libCore.so.5.18
#55 0x40121567 in TApplication::Run ()
from /misc/cbmsoft/Debian3.1/mar08/fairsoft/tools/root/lib/libCore.so.5.18
#56 0x40b486d9 in TRint::Run ()
from /misc/cbmsoft/Debian3.1/mar08/fairsoft/tools/root/lib/libRint.so.5.18
#57 0x08048e2e in main ()
Root >
```

Best Regards,
Dipak
