
Subject: Re: error for run_reco_tpccombi.C
Posted by [rajududhat](#) on Thu, 12 May 2011 09:40:55 GMT
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Dear Sir,

There is error occur for less number of events in same file run_reco_tpccombi.C

////////////////////////////////////

*** Break *** floating point exception

=====
There was a crash (#7 0xb720ed9d in SigHandler(ESignals) () from
/home/rajududhat/fairroot/jan10/tools/root/lib/libCore.so.5.26).
This is the entire stack trace of all threads:
=====

```
#0 0xffffe424 in __kernel_vsyscall ()
#1 0xb65898c3 in __waitpid_nocancel () from /lib/libc.so.6
#2 0xb6526963 in do_system () from /lib/libc.so.6
#3 0xb666757b in system () from /lib/libpthread.so.0
#4 0xb7208e0d in TUnixSystem::Exec(char const*) () from
/home/rajududhat/fairroot/jan10/tools/root/lib/libCore.so.5.26
#5 0xb720cad3 in TUnixSystem::StackTrace() () from
/home/rajududhat/fairroot/jan10/tools/root/lib/libCore.so.5.26
#6 0xb720ec8d in TUnixSystem::DispatchSignals(ESignals) () from
/home/rajududhat/fairroot/jan10/tools/root/lib/libCore.so.5.26
#7 0xb720ed9d in SigHandler(ESignals) () from
/home/rajududhat/fairroot/jan10/tools/root/lib/libCore.so.5.26
#8 0xb7207332 in sighandler(int) () from
/home/rajududhat/fairroot/jan10/tools/root/lib/libCore.so.5.26
#9 <signal handler called>
#10 0xa91707a5 in erprop_ () from
/home/rajududhat/fairroot/jan10/transport/geant3/lib/tgt_linux/libgeant3 21.so
#11 0xa9173691 in ertch_ () from
/home/rajududhat/fairroot/jan10/transport/geant3/lib/tgt_linux/libgeant3 21.so
#12 0xa91745ed in ertgo_ () from
/home/rajududhat/fairroot/jan10/transport/geant3/lib/tgt_linux/libgeant3 21.so
#13 0xa9171b09 in erttrak_ () from
/home/rajududhat/fairroot/jan10/transport/geant3/lib/tgt_linux/libgeant3 21.so
#14 0xa92496b1 in TGeant3::Ertrak(float const*, float const*, float const*, float const*, int, char
const*) ()
    from /home/rajududhat/fairroot/jan10/transport/geant3/lib/tgt_linux/libgeant3 21.so
#15 0xb067f152 in FairGeanePro::FindPCA (this=0xaca6140, pca=1, PDGCode=-13,
point=<incomplete type>, wire1=<incomplete type>, wire2=<incomplete type>,
    maxdistance=1.4119744280716531, Rad=
0xaca62b4, vpf=..., vwi=..., Di=
0xaca62bc, trklength=
0xaca630c) at /home/rajududhat/fairroot/trunk/geane/FairGeanePro.cxx:616
```

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#16 0xb067d4a5 in FairGeanePro::Propagate (this=0xaca6140, TStart=0xbfd05738,
TEnd=0xbfd05310, PDG=-13) at /home/rajududhat/fairroot/trunk/geane/FairGeanePro.cxx:230
#17 0xb2a81186 in GeaneTrackRep::extrapolateToPoint (this=0x5ed70348, pos=..., poca=...,
dirInPoca=...)
    at /home/rajududhat/fairroot/trunk/GenfitTools/trackrep/GeaneTrackRep/Geane
TrackRep.cxx:304
#18 0xb2b3a9fa in GFSpacepointHitPolicy::detPlane (this=0x5ed9c200, hit=0x5ed9bff8,
rep=0x5ed70348) at /home/rajududhat/fairroot/trunk/genfit/GFSpacepointHitPolicy.cxx:95
#19 0xb152f01b in GFRecoHitIfc<GFSpacepointHitPolicy>::getDetPlane (this=0x5ed9bff8,
rep=0x5ed70348) at /home/rajududhat/fairroot/trunk/genfit/GFRecoHitIfc.h:80
#20 0xb2b3507e in GFKalman::processHit (this=0x8c9e6f0, tr=0x5ed065c0, ihit=64, irep=0,
direction=1) at /home/rajududhat/fairroot/trunk/genfit/GFKalman.cxx:263
#21 0xb2b345a0 in GFKalman::fittingPass (this=0x8c9e6f0, trk=0x5ed065c0, direction=1) at
/home/rajududhat/fairroot/trunk/genfit/GFKalman.cxx:162
#22 0xb2b33f62 in GFKalman::processTrack (this=0x8c9e6f0, trk=0x5ed065c0) at
/home/rajududhat/fairroot/trunk/genfit/GFKalman.cxx:71
#23 0xaf95d6b1 in PndRecoKalmanFit::Fit (this=0x8c9e6d0, tBefore=0xce031e0, PDG=-13) at
/home/rajududhat/fairroot/trunk/GenfitTools/recotasks/PndRecoKalmanFit.cxx:233
#24 0xaf962fde in PndRecoKalmanTask::Exec (this=0x8c9c600, opt=0xb3aaaa70 "") at
/home/rajududhat/fairroot/trunk/GenfitTools/recotasks/PndRecoKalmanTask.cxx:120
#25 0xb719c5b0 in TTask::ExecuteTasks(char const*) () from
/home/rajududhat/fairroot/jan10/tools/root/lib/libCore.so.5.26
#26 0xb719cbce in TTask::ExecuteTask(char const*) () from
/home/rajududhat/fairroot/jan10/tools/root/lib/libCore.so.5.26
#27 0xb3a0194d in FairRunAna::Run (this=0x814d3c0, Ev_start=0, Ev_end=4500) at
/home/rajududhat/fairroot/trunk/base/FairRunAna.cxx:272
#28 0xb3a5496c in G__FairDict_861_0_5 (result7=0xbfd17928, funcname=0x814b928 "\001",
libp=0xbfd0d2e4, hash=0) at /home/rajududhat/fairroot/build/base/FairDict.cxx:13398
#29 0xb6a38ef7 in Cint::G__ExceptionWrapper(int (*)(G__value*, char const*, G__param*,
int), G__value*, char*, G__param*, int) ()
    from /home/rajududhat/fairroot/jan10/tools/root/lib/libCint.so.5.26
#30 0xb6ae19af in G__execute_call () from
/home/rajududhat/fairroot/jan10/tools/root/lib/libCint.so.5.26
#31 0xb6ae1d82 in G__call_cppfunc () from
/home/rajududhat/fairroot/jan10/tools/root/lib/libCint.so.5.26
#32 0xb6ac0d3e in G__interpret_func () from
/home/rajududhat/fairroot/jan10/tools/root/lib/libCint.so.5.26
#33 0xb6aacf3f in G__getfunction () from
/home/rajududhat/fairroot/jan10/tools/root/lib/libCint.so.5.26
#34 0xb6b9d0d4 in G__getstructmem () from
/home/rajududhat/fairroot/jan10/tools/root/lib/libCint.so.5.26
#35 0xb6b94e24 in G__getvariable () from
/home/rajududhat/fairroot/jan10/tools/root/lib/libCint.so.5.26
#36 0xb6a86ff8 in G__getitem () from
/home/rajududhat/fairroot/jan10/tools/root/lib/libCint.so.5.26
#37 0xb6a8e260 in G__getexpr () from
/home/rajududhat/fairroot/jan10/tools/root/lib/libCint.so.5.26
#38 0xb6b13338 in G__exec_statement () from
/home/rajududhat/fairroot/jan10/tools/root/lib/libCint.so.5.26
#39 0xb6a723a3 in G__exec_tempfile_core () from
/home/rajududhat/fairroot/jan10/tools/root/lib/libCint.so.5.26
#40 0xb6a73a8b in G__exec_tempfile () from

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/home/rajududhat/fairroot/jan10/tools/root/lib/libCint.so.5.26
#41 0xb6b2599b in G__process_cmd () from
/home/rajududhat/fairroot/jan10/tools/root/lib/libCint.so.5.26
#42 0xb71fc553 in TCint::ProcessLine(char const*, TInterpreter::EErrorCode*) () from
/home/rajududhat/fairroot/jan10/tools/root/lib/libCore.so.5.26
#43 0xb71f2a79 in TCint::ProcessLineSynch(char const*, TInterpreter::EErrorCode*) () from
/home/rajududhat/fairroot/jan10/tools/root/lib/libCore.so.5.26
#44 0xb71353f9 in TApplication::ExecuteFile(char const*, int*, bool) () from
/home/rajududhat/fairroot/jan10/tools/root/lib/libCore.so.5.26
#45 0xb713587c in TApplication::ProcessFile(char const*, int*, bool) () from
/home/rajududhat/fairroot/jan10/tools/root/lib/libCore.so.5.26
#46 0xb713421b in TApplication::ProcessLine(char const*, bool, int*) () from
/home/rajududhat/fairroot/jan10/tools/root/lib/libCore.so.5.26
#47 0xb67dd3dc in TRint::Run(bool) () from
/home/rajududhat/fairroot/jan10/tools/root/lib/libRint.so.5.26
#48 0x08048eff in main ()
=====

```

The lines below might hint at the cause of the crash.
If they do not help you then please submit a bug report at
<http://root.cern.ch/bugs>. Please post the ENTIRE stack trace
from above as an attachment in addition to anything else
that might help us fixing this issue.

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#10 0xa91707a5 in erprop_ () from
/home/rajududhat/fairroot/jan10/transport/geant3/lib/tgt_linux/libgeant3 21.so
#11 0xa9173691 in erttrch_ () from
/home/rajududhat/fairroot/jan10/transport/geant3/lib/tgt_linux/libgeant3 21.so
#12 0xa91745ed in ertgrgo_ () from
/home/rajududhat/fairroot/jan10/transport/geant3/lib/tgt_linux/libgeant3 21.so
#13 0xa9171b09 in erttrak_ () from
/home/rajududhat/fairroot/jan10/transport/geant3/lib/tgt_linux/libgeant3 21.so
#14 0xa92496b1 in TGeant3::Ertrak(float const*, float const*, float const*, float const*, int, char
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#15 0xb067f152 in FairGeanePro::FindPCA (this=0xaca6140, pca=1, PDGCode=-13,
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    maxdistance=1.4119744280716531, Rad=
0xaca62b4, vpf=..., vwi=..., Di=
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0xaca630c) at /home/rajududhat/fairroot/trunk/geane/FairGeanePro.cxx:616
#16 0xb067d4a5 in FairGeanePro::Propagate (this=0xaca6140, TStart=0xbfd05738,
TEnd=0xbfd05310, PDG=-13) at /home/rajududhat/fairroot/trunk/geane/FairGeanePro.cxx:230
#17 0xb2a81186 in GeaneTrackRep::extrapolateToPoint (this=0x5ed70348, pos=..., poca=...,
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#18 0xb2b3a9fa in GFSpacepointHitPolicy::detPlane (this=0x5ed9c200, hit=0x5ed9bff8,
rep=0x5ed70348) at /home/rajududhat/fairroot/trunk/genfit/GFSpacepointHitPolicy.cxx:95
#19 0xb152f01b in GFRecoHitIfc<GFSpacepointHitPolicy>::getDetPlane (this=0x5ed9bff8,
rep=0x5ed70348) at /home/rajududhat/fairroot/trunk/genfit/GFRecoHitIfc.h:80

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#20 0xb2b3507e in GFKalman::processHit (this=0x8c9e6f0, tr=0x5ed065c0, ihit=64, irep=0,
direction=1) at /home/rajududhat/fairroot/trunk/genfit/GFKalman.cxx:263
#21 0xb2b345a0 in GFKalman::fittingPass (this=0x8c9e6f0, trk=0x5ed065c0, direction=1) at
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#22 0xb2b33f62 in GFKalman::processTrack (this=0x8c9e6f0, trk=0x5ed065c0) at
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/home/rajududhat/fairroot/trunk/GenfitTools/recotasks/PndRecoKalmanFit.cxx:233
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/home/rajududhat/fairroot/jan10/tools/root/lib/libCore.so.5.26
#26 0xb719cbce in TTask::ExecuteTask(char const*) () from
/home/rajududhat/fairroot/jan10/tools/root/lib/libCore.so.5.26
#27 0xb3a0194d in FairRunAna::Run (this=0x814d3c0, Ev_start=0, Ev_end=4500) at
/home/rajududhat/fairroot/trunk/base/FairRunAna.cxx:272
=====
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Root >

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Thanks

RajuDudhat