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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
```

#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/GeaneTrackRep.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 erttrgo_ () 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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    maxdistance=1.4119744280716531, Rad=
0xaca62b4, vpf=..., vwi=..., Di=
0xaca62bc, trklength=
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
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    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

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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
/home/rajududhat/fairroot/trunk/genfit/GFKalman.cxx:162
#22 0xb2b33f62 in GFKalman::processTrack (this=0x8c9e6f0, trk=0x5ed065c0) at
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/home/rajududhat/fairroot/trunk/GenfitTools/recotasks/PndRecoKalmanFit.cxx:233
#24 0xaf962fde in PndRecoKalmanTask::Exec (this=0x8c9c600, opt=0xb3aaaa70 "") at
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#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