
Subject: error for run_reco_tpccombi.C
Posted by [rajududhat](#) on Tue, 10 May 2011 10:44:33 GMT
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Dear Friends;

I have find the following error for run_reco_tpccombi.C (nEvents=5000)

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

```
*** Event # 4912
===== PndLheHitsMaker =====
Total number of hits for tracking: 302
Total number of tracks in TPC: 4
    Good tracks in TPC: 4
Working with 302 hits
found 5 tracks
finder : Real Time = 4154.76 seconds Cpu Time = 2821.09 seconds
===== PndLheTrackFitter =====
Number of tracks for fitting 5
```

```
*** Event # 4913
===== PndLheHitsMaker =====
Total number of hits for tracking: 401
Total number of tracks in TPC: 4
    Good tracks in TPC: 4
Working with 401 hits
found 6 tracks
finder : Real Time = 4155.26 seconds Cpu Time = 2821.37 seconds
===== PndLheTrackFitter =====
Number of tracks for fitting 6
```

```
*** Event # 4914
===== PndLheHitsMaker =====
Total number of hits for tracking: 304
Total number of tracks in TPC: 4
    Good tracks in TPC: 4
Working with 304 hits
found 5 tracks
finder : Real Time = 4155.90 seconds Cpu Time = 2821.71 seconds
===== PndLheTrackFitter =====
Number of tracks for fitting 5
Error: Symbol #include is not defined in current scope run_reco_tpccombi.C:78:
Error: Symbol exception is not defined in current scope run_reco_tpccombi.C:78:
Syntax Error: #include <exception> run_reco_tpccombi.C:78:
Error: Symbol G__exception is not defined in current scope run_reco_tpccombi.C:78:
Error: type G__exception not defined
FILE:/home/rajududhat/fairroot/trunk/tutorials/charmonium/jul10/./run_reco_tpccombi.C
LINE:78
*** Interpreter error recovered ***
```

root [1]
////////////////////////////////////

Its work good when I take nEvents as small number

plz help me regarding this.

Thanks

RajuDudhat

Subject: Re: error for run_reco_tpccombi.C
Posted by [StefanoSpataro](#) on Tue, 10 May 2011 10:51:18 GMT
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You had a problem with memory, completely eaten by the software.
You should run less events or use a machine with larger RAM memory.

Subject: Re: error for run_reco_tpccombi.C
Posted by [rajududhat](#) on Tue, 10 May 2011 10:54:58 GMT
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ok sir

Thanks

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 ertrch_ () from
/home/rajududhat/fairroot/jan10/transport/geant3/lib/tgt_linux/libgeant3 21.so
#12 0xa91745ed in ertrgo_ () from
/home/rajududhat/fairroot/jan10/transport/geant3/lib/tgt_linux/libgeant3 21.so
#13 0xa9171b09 in ertrak_ () 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/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
/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.

```
=====
#10 0xa91707a5 in erprop_ () from
/home/rajududhat/fairroot/jan10/transport/geant3/lib/tgt_linux/libgeant3 21.so
#11 0xa9173691 in ertrch_ () from
/home/rajududhat/fairroot/jan10/transport/geant3/lib/tgt_linux/libgeant3 21.so
#12 0xa91745ed in ertrgo_ () from
/home/rajududhat/fairroot/jan10/transport/geant3/lib/tgt_linux/libgeant3 21.so
#13 0xa9171b09 in ertrak_ () 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=...,
dirlnPoca=...)
  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 GFRecoHitlfc<GFSpacepointHitPolicy>::getDetPlane (this=0x5ed9bff8,
rep=0x5ed70348) at /home/rajududhat/fairroot/trunk/genfit/GFRecoHitlfc.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
=====
```

Root >

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

Thanks

RajuDudhat

Subject: Re: error for run_reco_tpccombi.C
Posted by [Lia Lavezzi](#) on Thu, 12 May 2011 09:56:19 GMT
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This is seems GEANE crashing but it' s quite strange because GEANE is stable now. Which external packages release are you using?
Lia.

Subject: Re: error for run_reco_tpccombi.C
Posted by [rajududhat](#) on Thu, 12 May 2011 10:04:47 GMT
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Thanks 4 reply

I am using jan10 on openSUSE 11.3 platform

RajuDudhat

Subject: Re: error for run_reco_tpccombi.C
Posted by [Lia Lavezzi](#) on Thu, 12 May 2011 10:17:03 GMT
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Are you sure you have the most updated version of that release? I mean, in april a patch for GEANE was added and an update was needed to apply it.
If you don' t have the updated patch this could be the cause of the crash.
Here are the instructions how to get it:
<http://forum.gsi.de/index.php?t=tree&goto=10556&rid=993&>
or you could install the newest external package release.
Lia.

Subject: Re: error for run_reco_tpccombi.C
Posted by [rajududhat](#) on Thu, 12 May 2011 10:31:19 GMT
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Thanks dear

Than I try to install new external package.

RajuDudhat

Subject: Re: error for run_reco_tpccombi.C
Posted by [StefanoSpataro](#) on Thu, 12 May 2011 10:34:43 GMT
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Hi,
jan10 external packages are not supported since a while. The suggestion is to use the new may11 packages.

Subject: Re: error for run_reco_tpccombi.C
Posted by [rajududhat](#) on Sun, 15 May 2011 09:31:23 GMT
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Dear friend

Now I am using may11 external package but it give the same error in run_reco_tpccombi.C

Subject: Re: error for run_reco_tpccombi.C
Posted by [Lia Lavezzi](#) on Mon, 16 May 2011 08:55:06 GMT
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Did you recreate the simulation, digitization and parameters files from scratch after the update or are you just reconstructing the old files with the new code?
Can you please remove all the files and do the simu -> digi -> reco procedure again?
Another question: did you try with a different seed in the simulation? ...just to see whether it happens rarely or not...

Lia.

Subject: Re: error for run_reco_tpccombi.C
Posted by [rajududhat](#) on Mon, 16 May 2011 12:29:13 GMT
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Thanks

I try this

and I want to know from which macro one can control the seed number.

Subject: Re: error for run_reco_tpccombi.C
Posted by [Lia Lavezzi](#) on Mon, 16 May 2011 13:00:52 GMT
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Quote:and I want to know from which macro one can control the seed number.
From the simulation macro. If there is the line: gRandom->SetSeed(seed);
you just have to change the value of "seed". Otherwise, you can put this line there and give as
seed the value you want (if you give 0 the seed will come from the machine clock).
Lia.

Subject: Re: error for run_reco_tpccombi.C
Posted by [rajududhat](#) on Mon, 16 May 2011 13:11:07 GMT
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thanks friend
