Subject: Re: UPDATE: TPC MVD and GEM correlators
Posted by Dima Melnychuk on Sat, 18 Jun 2011 22:11:50 GMT
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Hi all,

I didn't manage to overcome the problem with

PndTpcGas: Reading data file: NEON-90_CO2-10_B2_PRES1013.asc
Fatal in <PndTpcGas::PndTpcGas>: Input File is not found

in other way than returning PndTpcClusterFinderTask to tpc reco macro.

But than I tried to test the task PndGFTrackToPndTrackConvertorTask for GFTrack -> PndTrack conversion. I put this task to another macro which executed after reco macro and it crashed but this time it was more verbose:

*** Break *** segmentation violation

==========
There was a crash.
This is the entire stack trace of all threads:
==========
#0 0x00007f3c94bb59e5 in waitpid () from /lib/libc.so.6
#1 0x00007f3c94b55e11 in do_system () from /lib/libc.so.6
#2 0x00007f3c96c99dc6 in TUnixSystem::StackTrace ()
from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libCore.so.5.29
#3 0x00007f3c96c9969c in TUnixSystem::DispatchSignals ()
from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libCore.so.5.29
#4 <signal handler called>
#5 0x00007f3c8379730f in FairGeanePro::PropagateFromPlane (
this=0x100000000000000, v1=
0x7fff8ab90990, v2=
0x7fff8ab90960)
at /d/panda02/dmelnych/pandaroot/pandaroot/geane/FairGeanePro.cxx:384
#6 0x00007f3c883815cf in GeaneTrackRep::extrapolate (this=0xd398710,
pl=
0x7fff8ab92120, statePred=
0x7fff8ab90f70, covPred=
0x7fff8ab90e10)
at
/d/panda02/dmelnych/pandaroot/pandaroot/GenfitTools/trackrep/GeaneTrackRep/GeaneTrack
Rep.cxx:158
#7 0x00007f3c8837f796 in GeaneTrackRep::extrapolate (this=0xd398710,
pl=
0x7fff8ab92120, statePred=
0x7fff8ab90f70)
at
/d/panda02/dmelnych/pandaroot/pandaroot/GenfitTools/trackrep/GeaneTrackRep/GeaneTrack

Rep.cxx:133
#8 0x00007f3c8837b4b0 in GeaneTrackRep::getMom (this=0xd398710,
    pl=
0x7fff8ab92120)
    at
/d/panda02/dmelnych/pandaroot/pandaroot/GenfitTools/trackrep/GeaneTrackRep/GeaneTrack
Rep.cxx:470
#9 0x00007f3c881569cd in GenfitTrack2PndTrack (tr=0x786ec20)
    at
/d/panda02/dmelnych/pandaroot/pandaroot/GenfitTools/adapters/PndGenfitAdapters.cxx:84
#10 0x00007f3c812cd69e in PndGFTrackToPndTrackConvertorTask::Exec (
    this=0x2f63eb0, opt=0x7f3c8b61cf00 "")
    at
/d/panda02/dmelnych/pandaroot/pandaroot/GenfitTools/recotasks/PndGFTrackToPndTrackCo
nvertorTask.cxx:82
#11 0x00007f3c96c20bb0 in TTask::ExecuteTasks ()
   from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libCore.so.5.29
#12 0x00007f3c96c1fecb in TTask::ExecuteTask ()
   from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libCore.so.5.29
#13 0x00007f3c8b56854b in FairRunAna::Run (this=0x1e5ae80, Ev_start=0,
    Ev_end=10)
    at /d/panda02/dmelnych/pandaroot/pandaroot/base/FairRunAna.cxx:272
#14 0x00007f3c8b5c002a in G__FairDict_883_0_5 (result7=0x7fff8ab9edb0,
    funcname=0x1e58060 "", libp=0x7fff8ab943a0, hash=0)
    at /d/panda02/dmelnych/pandaroot/build_lenny64/base/FairDict.cxx:13242
#15 0x00007f3c960dc644 in Cint::G__ExceptionWrapper ()
   from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libCint.so.5.29
#16 0x00007f3c9618e560 in G__execute_call ()
   from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libCint.so.5.29
#17 0x00007f3c9618f369 in G__call_cppfunc ()
   from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libCint.so.5.29
#18 0x00007f3c9616a645 in G__interpret_func ()
   from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libCint.so.5.29
#19 0x00007f3c96157e38 in G__getfunction ()
   from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libCint.so.5.29
#20 0x00007f3c9624a63f in G__getstructmem ()
   from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libCint.so.5.29
#21 0x00007f3c96243a1e in G__getvariable ()
   from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libCint.so.5.29
#22 0x00007f3c9612af2f in G__getitem ()
   from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libCint.so.5.29
#23 0x00007f3c9612ef5c in G__getexpr ()
   from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libCint.so.5.29
#24 0x00007f3c961bbbc4 in G__exec_statement ()
   from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libCint.so.5.29
#25 0x00007f3c96116f16 in G__exec_tempfile_core ()
   from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libCint.so.5.29
#26 0x00007f3c961171db in G__exec_tempfile ()
   from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libCint.so.5.29
#27 0x00007f3c961cf099 in G__process_cmd ()
   from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libCint.so.5.29
#28 0x00007f3c96c56315 in TCint::ProcessLine ()

```
   from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libCore.so.5.29
#29 0x00007f3c96c55763 in TCint::ProcessLineSynch ()
   from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libCore.so.5.29
#30 0x00007f3c96baaf70 in TApplication::ExecuteFile ()
   from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libCore.so.5.29
#31 0x00007f3c96ba8ab8 in TApplication::ProcessLine ()
   from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libCore.so.5.29
#32 0x00007f3c95a43545 in TRint::HandleTermInput ()
   from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libRint.so.5.29
#33 0x00007f3c96c97804 in TUnixSystem::CheckDescriptors ()
   from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libCore.so.5.29
#34 0x00007f3c96c97e21 in TUnixSystem::DispatchOneEvent ()
   from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libCore.so.5.29
#35 0x00007f3c96c0ef66 in TSystem::InnerLoop ()
   from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libCore.so.5.29
#36 0x00007f3c96c1120c in TSystem::Run ()
   from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libCore.so.5.29
#37 0x00007f3c96ba678f in TApplication::Run ()
   from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libCore.so.5.29
#38 0x00007f3c95a45554 in TRint::Run ()
   from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libRint.so.5.29
#39 0x000000000040117d 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.
==========================================================
#5  0x00007f3c8379730f in FairGeanePro::PropagateFromPlane (
   this=0x100000000000000, v1=
0x7fff8ab90990, v2=
0x7fff8ab90960)
   at /d/panda02/dmelnych/pandaroot/pandaroot/geane/FairGeanePro.cxx:384
#6  0x00007f3c883815cf in GeaneTrackRep::extrapolate (this=0xd398710,
   pl=
0x7fff8ab92120, statePred=
0x7fff8ab90f70, covPred=
0x7fff8ab90e10)
   at
/d/panda02/dmelnych/pandaroot/pandaroot/GenfitTools/trackrep/GeaneTrackRep/GeaneTrack
Rep.cxx:158
#7  0x00007f3c8837f796 in GeaneTrackRep::extrapolate (this=0xd398710,
   pl=
0x7fff8ab92120, statePred=
0x7fff8ab90f70)
   at
/d/panda02/dmelnych/pandaroot/pandaroot/GenfitTools/trackrep/GeaneTrackRep/GeaneTrack
Rep.cxx:133
#8  0x00007f3c8837b4b0 in GeaneTrackRep::getMom (this=0xd398710,
```

pl=
0x7fff8ab92120)
at
/d/panda02/dmelnych/pandaroot/pandaroot/GenfitTools/trackrep/GeaneTrackRep/GeaneTrack
Rep.cxx:470
#9 0x00007f3c881569cd in GenfitTrack2PndTrack (tr=0x786ec20)
at
/d/panda02/dmelnych/pandaroot/pandaroot/GenfitTools/adapters/PndGenfitAdapters.cxx:84
#10 0x00007f3c812cd69e in PndGFTrackToPndTrackConvertorTask::Exec (
this=0x2f63eb0, opt=0x7f3c8b61cf00 "")
at
/d/panda02/dmelnych/pandaroot/pandaroot/GenfitTools/recotasks/PndGFTrackToPndTrackCo
nvertorTask.cxx:82
#11 0x00007f3c96c20bb0 in TTask::ExecuteTasks ()
from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libCore.so.5.29
#12 0x00007f3c96c1fecb in TTask::ExecuteTask ()
from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libCore.so.5.29
#13 0x00007f3c8b56854b in FairRunAna::Run (this=0x1e5ae80, Ev_start=0,
Ev_end=10)
at /d/panda02/dmelnych/pandaroot/pandaroot/base/FairRunAna.cxx:272
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So indeed it was not memory probelm. But at this point I'm stuck.

Dima