
Subject: Re: TPC MVD and GEM correlators

Posted by [Dima Melnychuk](#) on Thu, 16 Jun 2011 22:56:22 GMT

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Hi all,

first comment is to Felix.

And it is related to removing PndTpcClusterFinderTask from reco macro.

Actually after this task is removed for me tpc reco macro crashes with

Toggle Spoiler

I- FairGeane::FairGeane: Geane is Initialized

PndTpcGas: Reading data file: NEON-90_CO2-10_B2_PRES1013.asc

Fatal in <PndTpcGas::PndTpcGas>: Input File is not found
aborting

#0 0x00007f8acbff19e5 in waitpid () from /lib/libc.so.6

#1 0x00007f8acbf91e11 in do_system () from /lib/libc.so.6

#2 0x00007f8ace0d5dc6 in TUnixSystem::StackTrace ()

from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libCore.so.5.29

#3 0x00007f8ace00129b in DefaultErrorHandler ()

from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libCore.so.5.29

#4 0x00007f8ace000c07 in ErrorHandler ()

from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libCore.so.5.29

#5 0x00007f8ace000d33 in Fatal ()

from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libCore.so.5.29

#6 0x00007f8abec5d691 in PndTpcGas (this=0x363f240, Filename=
0x7ffbae64e40,

E=400) at /d/panda02/dmelnich/pandaroot/pandaroot/tpc/PndTpcGas.cxx:53

#7 0x00007f8abec75c73 in PndTpcDigiMapper (this=0x38a9510, autoinit=true)

at /d/panda02/dmelnich/pandaroot/pandaroot/tpc/PndTpcDigiMapper.cxx:19

#8 0x00007f8abec81b40 in PndTpcDigiMapper::GetInstance (autoinit=true)

at /d/panda02/dmelnich/pandaroot/pandaroot/tpc/PndTpcDigiMapper.h:63

#9 0x00007f8abe08d074 in PndTpcRiemannTrackingTask::Init (this=0x2917110)

at /d/panda02/dmelnich/pandaroot/pandaroot/tpc/tpcreco/PndTpcRiemannTrackin
gTask.cxx:219

#10 0x00007f8ac29abb8f in FairTask::InitTask (this=0x2917110)

at /d/panda02/dmelnich/pandaroot/pandaroot/base/FairTask.cxx:48

#11 0x00007f8ac29abc26 in FairTask::InitTasks (this=0x1803410)

at /d/panda02/dmelnich/pandaroot/pandaroot/base/FairTask.cxx:120

#12 0x00007f8ac29abbf0 in FairTask::InitTask (this=0x1803410)

at /d/panda02/dmelnich/pandaroot/pandaroot/base/FairTask.cxx:53

#13 0x00007f8ac29a5cc0 in FairRunAna::Init (this=0x1803340)

at /d/panda02/dmelnich/pandaroot/pandaroot/base/FairRunAna.cxx:208

#14 0x00007f8ac29f500d in G__FairDict_883_0_4 (result7=0x7ffbae70ce0,
funcname=0x17fdb40 "", libp=0x7ffbae662d0, hash=0)

at /d/panda02/dmelnich/pandaroot/build_lenny64/base/FairDict.cxx:13225

#15 0x00007f8acd518644 in Cint::G__ExceptionWrapper ()

from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libCint.so.5.29

#16 0x00007f8acd5ca560 in G__execute_call ()

from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libCint.so.5.29

#17 0x00007f8acd5cb369 in G__call_cppfunc ()

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from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libCint.so.5.29
#18 0x00007f8acd5a6645 in G__interpret_func ()
from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libCint.so.5.29
#19 0x00007f8acd593e38 in G__getfunction ()
from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libCint.so.5.29
#20 0x00007f8acd68663f in G__getstructmem ()
from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libCint.so.5.29
#21 0x00007f8acd67fa1e in G__getvariable ()
from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libCint.so.5.29
#22 0x00007f8acd566f2f in G__getitem ()
from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libCint.so.5.29
#23 0x00007f8acd56af5c in G__getexpr ()
from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libCint.so.5.29
#24 0x00007f8acd5f7bc4 in G__exec_statement ()
from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libCint.so.5.29
#25 0x00007f8acd552f16 in G__exec_tempfile_core ()
from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libCint.so.5.29
#26 0x00007f8acd5531db in G__exec_tempfile ()
from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libCint.so.5.29
#27 0x00007f8acd60b099 in G__process_cmd ()
from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libCint.so.5.29
#28 0x00007f8ace092315 in TCint::ProcessLine ()
from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libCore.so.5.29
#29 0x00007f8ace091763 in TCint::ProcessLineSynch ()
from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libCore.so.5.29
#30 0x00007f8acdf6f70 in TApplication::ExecuteFile ()
from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libCore.so.5.29
#31 0x00007f8acdf64ab8 in TApplication::ProcessLine ()
from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libCore.so.5.29
#32 0x00007f8acce7f545 in TRint::HandleTermInput ()
from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libRint.so.5.29
#33 0x00007f8ace0d3804 in TUnixSystem::CheckDescriptors ()
from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libCore.so.5.29
#34 0x00007f8ace0d3e21 in TUnixSystem::DispatchOneEvent ()
from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libCore.so.5.29
#35 0x00007f8ace04af66 in TSystem::InnerLoop ()
from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libCore.so.5.29
#36 0x00007f8ace04d20c in TSystem::Run ()
from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libCore.so.5.29
#37 0x00007f8acdf6278f in TApplication::Run ()
from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libCore.so.5.29
#38 0x00007f8acce81554 in TRint::Run ()
from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libRint.so.5.29
#39 0x000000000040117d in main ()

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So the problem is that in PndTpcRiemannTrackingTask instance of PndTpcDigiMapper is called but it is initialised in PndTpcClusterFinderTask. So PndTpcClusterFinderTask should be left in tpc reconstruction macro or PndTpcDigiMapper in PndTpcRiemannTrackingTask should be properly initialised.

But besides this after updating to the latest GeaneTrackRep I run tpc reconstruction with GeaneTrackRep without crashes.
However I still run the check with higher number of events.

Dima
