
Subject: TPC bug

Posted by [Stefano Spataro](#) on Mon, 13 Aug 2007 11:50:29 GMT

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Hello,
there is a bug in TPC code since few days:

Quote:

File: tpc/TpcElectronicsTask.cxx Line: 152

tpc/CMakeFiles/tpc.dir/TpcElectronicsTask.o

/.../pandaroot/tpc/TpcElectronicsTask.cxx: In member function 'virtual void

TpcElectronicsTask::Exec(const Option_t*)':

/.../pandaroot/tpc/TpcElectronicsTask.cxx:152: error: no matching function for call to
'TpcAbsPSAStrategy::Process(std::vector >&, std::vector >&)'

/.../pandaroot/tpc/TpcAbsPSAStrategy.h:43: note: candidates are: virtual void

TpcAbsPSAStrategy::Process(const std::vector >&, std::vector >&, double)

and at KVI even:

Quote:File: tpc/TpcAbsPSAStrategy.h Line: 43

/.../pandaroot/tpc/TpcAbsPSAStrategy.h:43: error: candidates

are: virtual void TpcAbsPSAStrategy::Process(const std::vector >&, std::vector >&, double)

that should be fixed, apart from the historical warning:

Quote:/.../pandaroot/tpc/TpcSpaceChargeTask.cxx: In member function 'virtual void

TpcSpaceChargeTask::Exec(const Option_t*)':

/.../pandaroot/tpc/TpcSpaceChargeTask.cxx:127: warning: converting to 'int' from 'double'

Subject: Re: TPC bug

Posted by [Sebastian Neubert](#) on Mon, 13 Aug 2007 11:57:40 GMT

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Hi!

There was a fix submitted about an hour ago.

Sebastian.

Subject: Re: TPC bug

Posted by [Stefano Spataro](#) on Mon, 13 Aug 2007 12:24:08 GMT

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Ok,

now it works (apart the warning).

If you could add the includes in the files as written here, that would be great.

Bye

Subject: Re: TPC bug

Posted by [Felix Boehmer](#) on Tue, 14 Aug 2007 09:17:53 GMT

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I'll get rid of the "historical warning" on friday.

Subject: TPC bug

Posted by [Stefano Spataro](#) on Wed, 10 Oct 2007 09:45:13 GMT

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Hello,

tpc compilation is crashing on gcc4 machines. Is it possible to fix it?

Build Errors (14)

Error Build Log Line 213

File: tpc/TpcDigiMapper.h Line: 41

[40%] Building CXX object tpc/CMakeFiles/tpc.dir/TpcCRRCPulseshape.o

[41%] Building CXX object tpc/CMakeFiles/tpc.dir/TpcDigitizationPolicy.o

[41%] Building CXX object tpc/CMakeFiles/tpc.dir/TpcDigi.o

[41%] Building CXX object tpc/CMakeFiles/tpc.dir/TpcDigiAge.o

[41%] Building CXX object tpc/CMakeFiles/tpc.dir/TpcDigiAmplitude.o

[41%] Building CXX object tpc/CMakeFiles/tpc.dir/TpcDigiMapper.o

/.../dart-src/tpc/TpcDigiMapper.h:41: error: extra qualification

<-30><-128><-104>TpcDigiMapper::<-30><-128><-103> on member

<-30><-128><-104>getPad<-30><-128><-103>

[42%] Building CXX object tpc/CMakeFiles/tpc.dir/TpcSimplePSAStrategy.o

[42%] Building CXX object tpc/CMakeFiles/tpc.dir/TpcPSATask.o

[42%] Building CXX object tpc/CMakeFiles/tpc.dir/TpcSpaceChargeTask.o

[42%] Building CXX object tpc/CMakeFiles/tpc.dir/TpcAbsField.o

[43%] Building CXX object tpc/CMakeFiles/tpc.dir/TpcFieldCylGrid.o

[43%] Building CXX object tpc/CMakeFiles/tpc.dir/TpcEFieldCyl.oError Build Log Line 226

File: tpc/TpcDigiMapper.h Line: 41

[43%] Building CXX object tpc/CMakeFiles/tpc.dir/TpcEFieldCylLoader.o

[43%] Building CXX object tpc/CMakeFiles/tpc.dir/TpcDevmapCyl.o

[43%] Building CXX object tpc/CMakeFiles/tpc.dir/TpcDevmapCylLoader.o

[44%] Building CXX object tpc/CMakeFiles/tpc.dir/TpcEvtMixTask.o

[44%] Building CXX object tpc/CMakeFiles/tpc.dir/TpcElectronicsTask.o

[44%] Building CXX object tpc/CMakeFiles/tpc.dir/TpcClusterFinder.o

/.../dart-src/tpc/TpcDigiMapper.h:41: error: extra qualification

<-30><-128><-104>TpcDigiMapper::<-30><-128><-103> on member

<-30><-128><-104>getPad<-30><-128><-103>

[44%] Building CXX object tpc/CMakeFiles/tpc.dir/TpcClusterFinderSimple.oError Build Log Line 228

```

File: tpc/TpcDigiMapper.h Line: 41
../dart-src/tpc/TpcDigiMapper.h:41: error: extra qualification
<-30><-128><-104>TpcDigiMapper::<-30><-128><-103> on member
<-30><-128><-104>getPad<-30><-128><-103>
[ 44%] Building CXX object tpc/CMakeFiles/tpc.dir/TpcClusterFinderTask.oError Build Log Line
260
File: Unknown Line: Unknown
c++: CMakeFiles/tpc.dir/TpcSectorProcessor.o: No such file or directory
Error Build Log Line 261
File: Unknown Line: Unknown
c++: CMakeFiles/tpc.dir/TpcSignalSplitterTask.o: No such file or directory
Error Build Log Line 262
File: Unknown Line: Unknown
c++: CMakeFiles/tpc.dir/tpcDict.o: No such file or directory
[ 49%] Generating tpc recoDict.cxx, tpc recoDict.h
Scanning dependencies of target tpc reco
[ 50%] Building CXX object tpc/tpc reco/CMakeFiles/tpc reco.dir/TpcConfMapRecoHit.o
[ 50%] Building CXX object tpc/tpc reco/CMakeFiles/tpc reco.dir/TpcConfMapFit.o
[ 50%] Building CXX object tpc/tpc reco/CMakeFiles/tpc reco.dir/TpcZSFit.o
[ 50%] Building CXX object tpc/tpc reco/CMakeFiles/tpc reco.dir/TpcPatternRecoTask.oError
Build Log Line 230
File: tpc/TpcDigiMapper.h Line: 41
../dart-src/tpc/TpcDigiMapper.h:41: error: extra qualification
<-30><-128><-104>TpcDigiMapper::<-30><-128><-103> on member
<-30><-128><-104>getPad<-30><-128><-103>
[ 45%] Building CXX object tpc/CMakeFiles/tpc.dir/TpcCluster.o
[ 45%] Building CXX object tpc/CMakeFiles/tpc.dir/TpcClusterRadius.o
[ 45%] Building CXX object tpc/CMakeFiles/tpc.dir/TpcClusterZ.o
[ 45%] Building CXX object tpc/CMakeFiles/tpc.dir/TORPPadProcessor.o
[ 46%] Building CXX object tpc/CMakeFiles/tpc.dir/TORPPState_Initial.o
[ 46%] Building CXX object tpc/CMakeFiles/tpc.dir/TORPPState_Compare.oError Build Log
Line 242
File: tpc/TpcDigiMapper.h Line: 41
[ 46%] Building CXX object tpc/CMakeFiles/tpc.dir/TORPPState_Output.o
[ 46%] Building CXX object tpc/CMakeFiles/tpc.dir/TORPPState_Send.o
[ 46%] Building CXX object tpc/CMakeFiles/tpc.dir/TORPPState_Wait.o
[ 47%] Building CXX object tpc/CMakeFiles/tpc.dir/TORPPState_End.o
[ 47%] Building CXX object tpc/CMakeFiles/tpc.dir/TpcSectorProcessor.o
../dart-src/tpc/TpcDigiMapper.h:41: error: extra qualification
<-30><-128><-104>TpcDigiMapper::<-30><-128><-103> on member
<-30><-128><-104>getPad<-30><-128><-103>
[ 47%] Building CXX object tpc/CMakeFiles/tpc.dir/TpcRungeKutta.o
[ 47%] Building CXX object tpc/CMakeFiles/tpc.dir/TpcInhFieldDrifter.o
[ 48%] Building CXX object tpc/CMakeFiles/tpc.dir/test/TpcTester.o
[ 48%] Building CXX object tpc/CMakeFiles/tpc.dir/TpcPSAplot.o
[ 48%] Building CXX object tpc/CMakeFiles/tpc.dir/DebugLogger.o
[ 48%] Building CXX object tpc/CMakeFiles/tpc.dir/TCovEllipse.oError Build Log Line 251
File: tpc/TpcDigiMapper.h Line: 41
[ 48%] Building CXX object tpc/CMakeFiles/tpc.dir/TpcPSA_TOT1.o
[ 49%] Building CXX object tpc/CMakeFiles/tpc.dir/TpcSignalSplitterTask.o
../dart-src/tpc/TpcDigiMapper.h:41: error: extra qualification
<-30><-128><-104>TpcDigiMapper::<-30><-128><-103> on member

```

<-30><-128><-104>getPad<-30><-128><-103>
[49%] Building CXX object tpc/CMakeFiles/tpc.dir/tpcDict.oError Build Log Line 253
File: tpc/TpcDigiMapper.h Line: 41
/.../dart-src/tpc/TpcDigiMapper.h:41: error: extra qualification
<-30><-128><-104>TpcDigiMapper::<-30><-128><-103> on member
<-30><-128><-104>getPad<-30><-128><-103>
[49%] Building CXX object tpc/CMakeFiles/tpc.dir/dbgstream.o
Linking CXX shared library libtpc.soError Build Log Line 256

Subject: Re: TPC bug
Posted by [Florian Uhlig](#) on Thu, 11 Oct 2007 12:40:24 GMT
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Hi Stefano

I fixed this 10 minutes ago. It was only a typo or a copy and paste error.

Ciao

Florian

Subject: Re: TPC bug
Posted by [Stefano Spataro](#) on Fri, 26 Oct 2007 12:09:53 GMT
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Hi,
I have found this error in TPC trying to compile (that according to the dashboard is present since two days):

```
[ 44%] Building CXX object tpc/CMakeFiles/tpc.dir/TpcClusterCOG.o
/home/spataro/pandaroot/tpc/TpcClusterCOG.h:41: error: extra qualification 'TpcClusterCOG::'
on member 'cog'
make[2]: *** [tpc/CMakeFiles/tpc.dir/TpcClusterCOG.o] Error 1
make[1]: *** [tpc/CMakeFiles/tpc.dir/all] Error 2
```

Does somebody know what it means?

Subject: Re: TPC bug
Posted by [Sebastian Neubert](#) on Fri, 26 Oct 2007 12:12:56 GMT
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Hi!

I could imagine it has to do with gcc4 !?

In Munich it compiles without probs.

Cheers! Sebastian.

Subject: Re: TPC bug
Posted by [Florian Uhlig](#) on Fri, 26 Oct 2007 13:29:12 GMT
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Hi Stefano

Just remove the TpcClusterCOG:: in front of the function.

Ciao

Florian

Subject: Re: TPC bug
Posted by [Stefano Spataro](#) on Fri, 26 Oct 2007 15:36:38 GMT
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It worked.

Subject: Re: TPC bug
Posted by [Stefano Spataro](#) on Sat, 27 Oct 2007 10:59:04 GMT
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Fixed in svn,
and a missing include added in tpc for root 5.16 compatibility.
