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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'
```

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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.

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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

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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.

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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 tprecoDict.cxx, tprecoDict.h  
 Scanning dependencies of target tpreco  
 [ 50%] Building CXX object tpc/tpcreco/CMakeFiles/tpcreco.dir/TpcConfMapRecoHit.o  
 [ 50%] Building CXX object tpc/tpcreco/CMakeFiles/tpcreco.dir/TpcConfMapFit.o  
 [ 50%] Building CXX object tpc/tpcreco/CMakeFiles/tpcreco.dir/TpcZSFit.o  
 [ 50%] Building CXX object tpc/tpcreco/CMakeFiles/tpcreco.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/TORPadProcessor.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
```

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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

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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?

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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.

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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

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

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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.

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