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Subject: TPC compilation problem

Posted by [Yuri Naryshkin](#) on Fri, 18 Nov 2011 11:30:12 GMT

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Dear TPC experts,

I have a problem with TPC while compiling PANDARoot:

```
[ 47%] Building CXX object tpc/CMakeFiles/Tpc.dir/TestBench/PndTpcSLResidualTask.cxx.o
[ 47%] Building CXX object tpc/CMakeFiles/Tpc.dir/TestBench/PndTpcResidualTask.cxx.o
/u/naryshk/pandaroot_new/pandaroot/tpc/TestBench/PndTpcResidualTask.cxx: In member
function 'virtual void PndTpcResidualTask::Exec(const Option_t*)':
/u/naryshk/pandaroot_new/pandaroot/tpc/TestBench/PndTpcResidualTask.cxx: 260: error:
'getSmoothedPosXYZ' is not a member of 'GFTools'
make[2]: *** [tpc/CMakeFiles/Tpc.dir/TestBench/PndTpcResidualTask.cxx.o] Error 1
make[1]: *** [tpc/CMakeFiles/Tpc.dir/all] Error 2
make: *** [all] Error 2
```

May I ask you what is the solution for that?

I used:

```
svn co https://subversion.gsi.de/fairroot/pandaroot/trunk pandaroot
```

and

settings:

```
export SIMPATH=/misc/cbmsoft/Lenny32/may11/fairsoft/
```

Best Regards, Yuri.

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Subject: Re: TPC compilation problem

Posted by [Johannes Rauch](#) on Sat, 19 Nov 2011 15:37:14 GMT

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Dear pandarooters,

its fixed.

regards,

Johannes

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Subject: Re: TPC compilation problem

Posted by [Yuri Naryshkin](#) on Sat, 19 Nov 2011 22:02:48 GMT

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Dear Johannes,

in which version is it fixed?

I try trunk again and have the same problem:

```
[ 42%] Building CXX object stt/sttreco/CMakeFiles/SttReco.dir/PndSttRecoDict.cxx.o
```

---

Linking CXX shared library ../../lib/libSttReco.so  
[ 42%] Built target SttReco  
[ 42%] Generating tpcDict.cxx, tpcDict.h  
Error: link requested for unknown class PndTpcResidualTask  
/u/naryshk/pandaroot\_new/pandaroot/tpc/tpcLinkDef.h:73:  
Warning: Error occurred during reading source files  
Warning: Error occurred during dictionary source generation  
!!!Removing /u/naryshk/pandaroot\_new/pandaroot/buildPanda/tpc/tpcDict.cxx  
/u/naryshk/pandaroot\_new/pandaroot/buildPanda/tpc/tpcDict.h !!!  
Error: /misc/cbmsoft/Lenny32/may11/fairsoft/tools/root/bin/rootcint: error loading headers...  
make[2]: \*\*\* [tpc/tpcDict.cxx] Error 1  
make[1]: \*\*\* [tpc/CMakeFiles/Tpc.dir/all] Error 2  
make: \*\*\* [all] Error 2

Best Regards, Yuri.

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Subject: Re: TPC compilation problem  
Posted by [Dima Melnychuk](#) on Mon, 21 Nov 2011 15:12:09 GMT  
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Hi all,

I can confirm that latest pandaroot trunk does not compile for me with the same error from TPC.

I see that Johanes commented out PndTpcResidualTask.cxx in tpc/CMakeLists.txt. But it still should be commented in tpcLinkDef.h, i.e. line 73 should be commented

```
#pragma link C++ class PndTpcResidualTask+;
```

Dima

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Subject: Re: TPC compilation problem  
Posted by [Felix Boehmer](#) on Mon, 21 Nov 2011 15:21:40 GMT  
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Hi,

I changed it. Can you verify that everything builds now?

Cheers

Felix

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Subject: Re: TPC compilation problem  
Posted by [Yuri Naryshkin](#) on Mon, 21 Nov 2011 15:53:33 GMT

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Dear Felix,  
still problem,  
(svn co https://subversion.gsi.de/fairroot/pandaroot/trunk pandaroot

```
export SIMPATH=/misc/cbmsoft/Lenny32/may11/fairsoft/  
)
```

Best Regards, Yuri.

```
[ 42%] Generating tpcDict.cxx, tpcDict.h  
Error: link requested for unknown class CdcHit  
/u/naryshk/pandaroot_new/pandaroot/tpc/tpcLinkDef.h:80:  
Error: link requested for unknown class CdcEvent  
/u/naryshk/pandaroot_new/pandaroot/tpc/tpcLinkDef.h:81:  
Error: link requested for unknown class CdcTrack  
/u/naryshk/pandaroot_new/pandaroot/tpc/tpcLinkDef.h:82:  
Error: link requested for unknown class PointHit  
/u/naryshk/pandaroot_new/pandaroot/tpc/tpcLinkDef.h:83:  
Error: link requested for unknown class PseudoSpacePoint  
/u/naryshk/pandaroot_new/pandaroot/tpc/tpcLinkDef.h:84:  
Error: link requested for unknown class RpcTrack  
/u/naryshk/pandaroot_new/pandaroot/tpc/tpcLinkDef.h:85:  
Warning: Error occurred during reading source files  
Warning: Error occurred during dictionary source generation  
!!!Removing /u/naryshk/pandaroot_new/pandaroot/buildPanda/tpc/tpcDict.cxx  
/u/naryshk/pandaroot_new/pandaroot/buildPanda/tpc/tpcDict.h !!!  
Error: /misc/cbmsoft/Lenny32/may11/fairsoft/tools/root/bin/rootcint: error loading headers...  
make[2]: *** [tpc/tpcDict.cxx] Error 1  
make[1]: *** [tpc/CMakeFiles/Tpc.dir/all] Error 2  
make: *** [all] Error 2
```

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Subject: Re: TPC compilation problem  
Posted by [Felix Boehmer](#) on Mon, 21 Nov 2011 16:11:36 GMT  
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Hi,

yeah, that was really smart of me ... try again please

Cheers

Felix

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Subject: Re: TPC compilation problem  
Posted by [Yuri Naryshkin](#) on Mon, 21 Nov 2011 17:52:37 GMT  
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Thanks a lot Felix! Now it is compiled and linked. Best Regards, Yuri.

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