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

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

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/PndSttRecoDictcxx.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.

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

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

Subject: Re: TPC compilation problem

Posted by [Yuri Naryshkin](#) **on** Mon, 21 Nov 2011 15:53:33 GMT

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

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

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.
