Subject: include bug in tpc dedx
Posted by Ralf Kliemt on Wed, 07 May 2008 11:34:58 GMT
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Hi Tpc guys.

On a gsi machine and on one of the dresden machines PndTpcDEDXFits doesn't compile.
One is connected to cout, so probably the right include might help. Note that on other
machines this works well, so there the include paths might be set differently (?).
Somehow the other error is connected to the TF1 constructor. This should work or not on every
machine.

Anyway. We would be glad to compile pandaroot on the next machine, too.
Kind regards from Dresden, Ralf.

Toggle Spoiler
Dashboard for lxg0245.gsi.deError Build Log Line 292
File: tpc/PndTpcDEDXFits.cxx Line: 66

[38%] Building CXX object tpc/CMakeFiles/tpc.dir/PndTpcMCDEdxTask.o
[38%] Building CXX object tpc/CMakeFiles/tpc.dir/PndTpcRawDEdxCollection.o
[38%] Building CXX object tpc/CMakeFiles/tpc.dir/PndTpcDXCalculator.o
[38%] Building CXX object tpc/CMakeFiles/tpc.dir/PndTpcDEDXFits.o
/.../pandaroot/tpc/PndTpcDEDXFits.cxx: In member function `
   void PndTpcDEDXFits::CreateFitForProfile(TProfile*, const std::string&)':
/.../pandaroot/tpc/PndTpcDEDXFits.cxx:66: error: `cout'
undeclared (first use this function)

Dashboard for pktw55.phy.tu-dresden.deError Build Log Line 4009
File: tpc/PndTpcDEDXFits.cxx Line: 226

/.../dart-src/tpc/PndTpcDEDXFits.cxx:226: error: no matching function for call to
TF1::TF1(const char*, PndTpcDEDXFits* const, Double_t (PndTpcDEDXFits::*)(Double_t*,
Double_t*), Double_t&, Double_t&, Int_t&, const char [15], const char [9])
/.../tools/root/include/TF1.h:89: note: candidates are: TF1::TF1(const TF1&)
/.../tools/root/include/TF1.h:87: note: TF1::TF1(const char*, Double_t (*)(const
Double_t*, const Double_t*), Double_t, Double_t, Int_t)
/.../tools/root/include/TF1.h:86: note: TF1::TF1(const char*, Double_t (*)(Double_t*,
Double_t*), Double_t, Double_t, Int_t)
/.../tools/root/include/TF1.h:84: note: TF1::TF1(const char*, void*, Double_t,
Double_t, Int_t)
/.../tools/root/include/TF1.h:83: note: TF1::TF1(const char*, Double_t, Double_t,
Int_t)
/.../tools/root/include/TF1.h:82: note: TF1::TF1(const char*, const char*, Double_t,
Double_t)

Subject: Re: include bug in tpc dedx
Posted by Viola Michael on Wed, 07 May 2008 14:03:43 GMT
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Hi!
Sorry, i have never looked at the dashboard before...
i have fixed the include bug.
For the other bug i have some trouble to figure out what it is about. This is what i am thinking:

The constructor i am using:

in root header /include/TF1.h
template <class PtrObj, typename MemFn>
TF1(const char *name, const PtrObj& p, MemFn memFn, Double_t xmin, Double_t xmax, Int_t
npar, char * = 0, char * = 0)

does not appear in the list of canditates?

in the dashboard i see that we are using the same system and the same compiler (Debian3.1,
gcc3.3.5)
the only difference i can make up is the root version:
-- Looking for Root... - version 5.14/00

so i checked release notes from root: http://root.cern.ch/root/Version515.news.html
and i found exactly what i am using in there.
So maybe your root version is too old...

Best regards,
Viola