
Subject: Error in compiling TRUNK

Posted by [Dipanwita Dutta](#) on Wed, 14 Jul 2010 15:12:25 GMT

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Hi

I just svn co Pandaroot and got the following error while compiling.

regards

Dipanwita

```
Building CXX object pgenerators/DpmEvtGen/CMakeFiles/DpmEvtGen_exe.dir/main.o
/home/dipa/pandaroot/pgenerators/DpmEvtGen/main.cc:27: warning: non-local variable
'<anonymous struct> lujets_' uses anonymous type
Linking CXX executable ../../bin/DPMGen
/home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `TH3S::TH3S(char const*,
char const*, int, double, double, int, double, double, int, double, double)'
/home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `TH3::GetCovariance(int, int)
const'
/home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `TH3C::operator=(TH3C
const&)'
/home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `operator+(TH3F&, TH3F&)'
/home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `operator+(TH3C&, TH3C&)'
/home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to
`TH3::FindLastBinAbove(double, int) const'
/home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to
`TH3::GetRandom3(double&, double&, double&)'
/home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `TH3I::operator=(TH3I
const&)'
/home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `TH3::ProjectionZ(char
const*, int, int, int, int, char const*) const'
/home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `TH3S::TH3S()'
/home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `TH3S::operator=(TH3S
const&)'
/home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `operator*(TH3C&, TH3C&)'
/home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `TH3C::Streamer(TBuffer&)'
/home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `TH3I::~~TH3I()'
/home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `operator-(TH3F&, TH3F&)'
/home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `TH3D::TH3D(char const*,
char const*, int, double, double, int, double, double, int, double, double)'
/home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `TH3::Integral(int, int, int, int,
int, int, char const*) const'
/home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `operator+(TH3D&, TH3D&)'
/home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `operator/(TH3I&, TH3I&)'
/home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `TH3D::TH3D(char const*,
char const*, int, double const*, int, double const*, int, double const*)'
/home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `TH3::Interpolate(double,
double)'
/home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `TH3::IntegralAndError(int,
int, int, int, int, double&, char const*) const'
```

/home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `TH3::Streamer(TBuffer&)'
 /home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `TH3F::TH3F(char const*, char const*, int, float const*, int, float const*, int, float const*)'
 /home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `operator*(float, TH3D&)'
 /home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `operator-(TH3S&, TH3S&)'
 /home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `TH3::FillRandom(char const*, int)'
 /home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `TH3::Interpolate(double)'
 /home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `operator+(TH3S&, TH3S&)'
 /home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `TH3::FillRandom(TH1*, int)'
 /home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `TH3::ProjectionY(char const*, int, int, int, int, char const*) const'
 /home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `TH3D::TH3D(TH3D const&)'
 /home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `operator*(float, TH3I&)'
 /home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `typeinfo for TH3'
 /home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `typeinfo for TH3S'
 /home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `typeinfo for TH3C'
 /home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `TH3I::TH3I()'
 /home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `TH3::Integral(char const*) const'
 /home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `TH3D::TH3D(char const*, char const*, int, double, double, int, double, double, int, double, double)'
 /home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `TH3F::Streamer(TBuffer&)'
 /home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `TH3::TH3(TH3 const&)'
 /home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `TH3::SetShowProjection(char const*, int)'
 /home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `TH3D::Copy(TObject& const)'
 /home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `TH3F::TH3F(char const*, char const*, int, double, double, int, double, double, int, double, double)'
 /home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `TH3F::TH3F(char const*, char const*, int, double const*, int, double const*, int, double const*)'
 /home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `TH3I::TH3I(TH3I const&)'
 /home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `operator*(TH3D&, TH3D&)'
 /home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `TH3::FindFirstBinAbove(double, int) const'
 /home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `TH3::FitSlicesZ(TF1*, int, int, int, int, int, char const*)'
 /home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `TH3::GetCorrelationFactor(int, int) const'
 /home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `operator/(TH3D&, TH3D&)'
 /home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `TH3::Interpolate(double, double, double)'
 /home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `operator+(TH3I&, TH3I&)'
 /home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `typeinfo for TH3D'
 /home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `TH3F::operator=(TH3F const&)'
 /home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `TH3D::TH3D()'
 /home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `operator/(TH3F&, TH3F&)'
 /home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `operator/(TH3C&, TH3C&)'
 /home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `TH3S::TH3S(char const*, char const*, int, float const*, int, float const*, int, float const*)'

/home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `TH3C::TH3C()'
 /home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `operator*(float, TH3F&)'
 /home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `TH3F::TH3F(TH3F const&)'
 /home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to
 `TH3::GetBinContent3(double, int&, int&, int&, int, int, int, int, int, int, double) const'
 /home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `typeinfo for TH3F'
 /home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `TH3D::operator=(TH3D
 const&)'
 /home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `TH3C::TH3C(char const*,
 char const*, int, double, double, int, double, double, int, double, double)'
 /home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `TH3C::TH3C(char const*,
 char const*, int, double const*, int, double const*, int, double const*)'
 /home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `operator*(TH3S&, TH3S&)'
 /home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `operator-(TH3D&, TH3D&)'
 /home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `operator*(float, TH3C&)'
 /home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `operator*(float, TH3S&)'
 /home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `TH3S::TH3S(TH3S const&)'
 /home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `typeinfo for TH3I'
 /home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `TH3C::~~TH3C()'
 /home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `TH3I::TH3I(char const*,
 char const*, int, double const*, int, double const*, int, double const*)'
 /home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `TH3S::TH3S(char const*,
 char const*, int, double const*, int, double const*, int, double const*)'
 /home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `operator-(TH3I&, TH3I&)'
 /home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `TH3::KolmogorovTest(TH1
 const*, char const*) const'
 /home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `operator/(TH3S&, TH3S&)'
 /home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `operator*(TH3I&, TH3I&)'
 /home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `TH3D::~~TH3D()'
 /home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `TH3::PutStats(double*)'
 /home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `TH3D::Streamer(TBuffer&)'
 /home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `TH3::Project3D(char const*)
 const'
 /home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `TH3F::TH3F()'
 /home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `TH3D::TH3D(char const*,
 char const*, int, float const*, int, float const*, int, float const*)'
 /home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `TH3C::TH3C(TH3C const&)'
 /home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `TH3S::Streamer(TBuffer&)'
 /home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `operator-(TH3C&, TH3C&)'
 /home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `TH3D::SetBinsLength(int)'
 /home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `TH3D::SetBinContent(int,
 double)'
 /home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `TH3D::TH3D(char const*,
 char const*, int, double const*, int, double const*, int, double const*)'
 /home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `TH3I::TH3I(char const*,
 char const*, int, float const*, int, float const*, int, float const*)'
 /home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `operator*(TH3F&, TH3F&)'
 /home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `TH3::Project3DProfile(char
 const*) const'
 /home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `TH3::ProjectionX(char
 const*, int, int, int, int, char const*) const'
 /home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `TH3I::TH3I(char const*,

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char const*, int, double, double, int, double, double, int, double, double)'
/home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `TH3D::Reset(char const*)'
/home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `TH3D::~~TH3D()'
/home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `TH3S::~~TH3S()'
/home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `TH3D::TH3D()'
/home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `TH3C::TH3C(char const*,
char const*, int, float const*, int, float const*, int, float const*)'
/home/dipa/fairsoft/tools/root/lib/libHist.so: undefined reference to `TH3F::~~TH3F()'
collect2: ld returned 1 exit status
make[2]: *** [bin/DPMGen] Error 1
make[1]: *** [pgenerators/DpmEvtGen/CMakeFiles/DpmEvtGen_exe.dir/all] Error 2
make: *** [all] Error 2
```

Subject: Re: Error in compiling TRUNK
Posted by [Ralf Kliemt](#) on Thu, 15 Jul 2010 13:40:38 GMT
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Hello,

My thoughts on that:

trying to compile DpmEvtGen it has problems with fairsoft/tools/root/lib/libHist.so.
Try to deactivate pgenerators/DpmEvtGen in pandaroot/CMakeLists.txt.

What kind of operating system do you use? A MacOSX ? I've to comment the DpmEvtGen on my mac, too.

Kind regards, Ralf.

Subject: Re: Error in compiling TRUNK
Posted by [Bjoern Spruck](#) on Fri, 16 Jul 2010 08:09:35 GMT
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Ralf Kliemt wrote on Thu, 15 July 2010 15:40Hello,

My thoughts on that:

trying to compile DpmEvtGen it has problems with fairsoft/tools/root/lib/libHist.so.

For me it looks like you should check your root installation. If I loo in the code there is no root histogram used in the code.

You even can comment out the #include TH1F in the main.cc.

Ralf Kliemt wrote on Thu, 15 July 2010 15:40

Try to deactivate pgenerators/DpmEvtGen in pandaroot/CMakeLists.txt.

What kind of operating system do you use? A MacOSX ? I've to comment the DpmEvtGen on

my mac, too.

I guess that because of the fortran code, isnt it?
Same problem in EvtGen...

Subject: Re: Error in compiling TRUNK
Posted by [Florian Uhlig](#) on Fri, 16 Jul 2010 08:12:16 GMT
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Hi Ralf

I wonder about your comment. On my Mac i can compile DpmEvtGen without any problems and i don't see the problem with libHist.so. Which version of the external packages do you use?

I also fixed a problem with the EvtGen which did not compile on Mac OSX due to some problem with using the wrong fortran libraries. This is fixed with revision 9422.

Ciao

Florian

Subject: Re: Error in compiling TRUNK
Posted by [Dipanwita Dutta](#) on Fri, 16 Jul 2010 09:21:51 GMT
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Hi

Thanks for all of your suggestions.
I think the problem was somewhere in root installation. I reinstalled the root and now it compiles (without commenting DpmEvtGen).

For info: I am using SL5.5 version of linux.

best regards
Dipanwita

Subject: Re: Error in compiling TRUNK
Posted by [Ralf Kliemt](#) on Mon, 19 Jul 2010 13:00:17 GMT
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Fine that it works now.

Florian, my and Simones mac don't compile Dpm. Maybe you know the trick? What about updating my compiler from gcc4.2?

Cheers, Ralf.
