Subject: trunk doesnt compile
Posted by M.Babai on Thu, 11 Jun 2009 14:49:54 GMT

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Hi all,

I was trying to compile r-5801, but got the following error:

pandaroot/genfit/RecoHitFactory.h:16,
        from /home0/fairroot/pandaroot/genfit/RecoHitFactory.cxx:1:
/home0/fairroot/pandaroot/genfit/RecoHitProducer.h: In member function 'virtual AbsRecoHit*
RecoHitProducer<hit_T, recoHit_T>::produce(int)':
/home0/fairroot/pandaroot/genfit/RecoHitProducer.h:100: error: there are no arguments to
'assert' that depend on a template parameter, so a declaration of 'assert' must be available
/home0/fairroot/pandaroot/genfit/RecoHitProducer.h:100: error: (if you use '-fpermissive', G++
will accept your code, but allowing the use of an undeclared name is deprecated)
/home0/fairroot/pandaroot/genfit/RecoHitProducer.h:101: error: there are no arguments to
'assert' that depend on a template parameter, so a declaration of 'assert' must be available
make[2]: *** [genfit/CMakeFiles/genfit.dir/RecoHitFactory.o] Error 1
make[1]: *** [genfit/CMakeFiles/genfit.dir/all] Error 2
make: *** [all] Error 2

Cheers.

Subject: Re: trunk doesnt compile
Posted by Anonymous Poster on Thu, 11 Jun 2009 15:14:56 GMT

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Hi,

sorry about that. On my machine it compiled. I commited a fix. Can you please check if the
error is gone (since my system doesnt seem to be so picky).

Cheers, Christian

Subject: Re: trunk doesnt compile
Posted by M.Babai on Thu, 11 Jun 2009 19:47:13 GMT

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Thank you.
It compiles now with no errors.

I don't know which compiler (version) you use, but the recent versions of gcc are designed to
be more restrictive, which is not a bad property.

Kind wishes,
/MB

Subject: Re: trunk doesnt compile
Posted by Anonymous Poster on Thu, 11 Jun 2009 21:11:37 GMT

Hi,

well thank YOU for finding the bug. I use gcc 4.0 on Mac OSX. But the mistake I made was really bad (forgot to include assert.h), and I have no idea how it could slip through the compiler...

Cheers, Christian

Subject: Re: trunk doesnt compile
Posted by M.Babai on Fri, 12 Jun 2009 08:39:59 GMT

hmmmmmm!, I don't know either. But as far as I know, it is a problem (feature of) older compilers. To avoid this, the gcc people are now reorganizing it. So, hopefully it becomes even more restrictive with better error messages and cleaner generated code (objects).

Cheers
/MB