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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.

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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 committed a fix. Can you please check if the error is gone (since my system doesnt seem to be so picky).

Cheers, Christian

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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

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Subject: Re: trunk doesnt compile  
Posted by [Anonymous Poster](#) on Thu, 11 Jun 2009 21:11:37 GMT  
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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

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

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