
Subject: Current Trunk version doesn't compile

Posted by [Vanniarajan Suyam Jothi](#) on Wed, 11 Mar 2009 22:08:49 GMT

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I am getting the following compilation Error with current trunk version in the reco tasks directory.

Can anybody help me with this?

regards,
Vanni

```
/home/rugkvi04/vanni/pandaroot/recotasks/V0Selector.cxx:35:30: ExtrapolateToPCA.h: No
such file or directory
/home/rugkvi04/vanni/pandaroot/recotasks/V0Selector.cxx: In member function `
virtual void V0Selector::Exec(const Option_t*):
/home/rugkvi04/vanni/pandaroot/recotasks/V0Selector.cxx:123: error: `
ExtrapolateToPCA' undeclared (first use this function)
/home/rugkvi04/vanni/pandaroot/recotasks/V0Selector.cxx:123: error: (Each
undeclared identifier is reported only once for each function it appears
in.)
make[2]: *** [recotasks/CMakeFiles/recotasks.dir/V0Selector.o] Error 1
```

Subject: Re: Current Trunk version doesn't compile

Posted by [Anonymous Poster](#) on Wed, 11 Mar 2009 22:28:39 GMT

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Hi,

I am very sorry. I had forgotten to commit some changes. I try to avoid these things as good as I can...

Christian

Subject: Re: Current Trunk version doesn't compile

Posted by [Vanniarajan Suyam Jothi](#) on Thu, 12 Mar 2009 09:53:31 GMT

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Now the MVD part doesn't compile
I get the following Err

```
[ 43%] Building CXX object mvd/CMakeFiles/Mvd.dir/MvdDAQ/PndMvdConvertApv.o
/home/rugkvi04/vanni/pandaroot/mvd/MvdDAQ/PndMvdConvertApv.cxx: In member
function `std::vector<PndMvdDigiStrip, std::allocator<PndMvdDigiStrip> >
```

```
PndMvdConvertApv::Calc(std::vector<PndMvdApvHit,
std::allocator<PndMvdApvHit> >):
/home/rugkvi04/vanni/pandaroot/mvd/MvdDAQ/PndMvdConvertApv.cxx:156: error: `
SetFeID' undeclared (first use this function)
/home/rugkvi04/vanni/pandaroot/mvd/MvdDAQ/PndMvdConvertApv.cxx:156: error: (Each
undeclared identifier is reported only once for each function it appears
in.)
make[2]: *** [mvd/CMakeFiles/Mvd.dir/MvdDAQ/PndMvdConvertApv.o] Error 1
make[1]: *** [mvd/CMakeFiles/Mvd.dir/all] Error 2
```

Subject: Re: Current Trunk version doesn't compile
Posted by [Dmitry Khaneft](#) on Thu, 12 Mar 2009 15:53:08 GMT
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I have the same problem with OS Ubuntu8.10 32bit but on my GSI PC with Debian Etch 32bit it was installed without any problem.

By the way if I type make second time it compile successfully but there are errors when I try run sim_emc.C.

Vanniarajan Suyam Jothi wrote on Thu, 12 March 2009 10:53Now the MVD part doesn't compile
I get the following Err

```
[ 43%] Building CXX object mvd/CMakeFiles/Mvd.dir/MvdDAQ/PndMvdConvertApv.o
/home/rugkvi04/vanni/pandaroot/mvd/MvdDAQ/PndMvdConvertApv.cxx: In member
function `std::vector<PndMvdDigiStrip, std::allocator<PndMvdDigiStrip> >
PndMvdConvertApv::Calc(std::vector<PndMvdApvHit,
std::allocator<PndMvdApvHit> >):
/home/rugkvi04/vanni/pandaroot/mvd/MvdDAQ/PndMvdConvertApv.cxx:156: error: `
SetFeID' undeclared (first use this function)
/home/rugkvi04/vanni/pandaroot/mvd/MvdDAQ/PndMvdConvertApv.cxx:156: error: (Each
undeclared identifier is reported only once for each function it appears
in.)
make[2]: *** [mvd/CMakeFiles/Mvd.dir/MvdDAQ/PndMvdConvertApv.o] Error 1
make[1]: *** [mvd/CMakeFiles/Mvd.dir/all] Error 2
```

Subject: Re: Current Trunk version doesn't compile

Posted by [Ralf Kliemt](#) on Fri, 13 Mar 2009 07:40:12 GMT

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Hi,

The MVD code had changes in a data class, which is freshly moved into pnddata. We committed these changes now, too (rev. 4971).
Sorry for the inconvenience.

Ralf & Lars

Subject: Re: Current Trunk version doesn't compile
Posted by [M.Babai](#) on Fri, 13 Mar 2009 11:47:51 GMT

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I'm getting the following error:

```
pandaroot/genfit/AbsTrackRep.cxx:38: error: 'abort' was not declared in this scope
```

In the more recent versions of gcc, this function is part of the algorithm library. This compile error can be solved either by changing the implementation or by including the library header.

Cheers,

Subject: Re: Current Trunk version doesn't compile
Posted by [Anonymous Poster](#) on Fri, 13 Mar 2009 11:55:13 GMT

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Hi,

I am sorry about this, my compiler didnt mind, but I guess that is why we have this forum...

I changed it to 'throw' which I guess should work with any compiler. BTW, what does everybody think: What is the actual best way to abort the program if something happens that may never happen?

Cheers, Christian

Subject: Re: Current Trunk version doesn't compile
Posted by [StefanoSpataro](#) on Fri, 13 Mar 2009 11:59:40 GMT

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Hi,

in theory only the bad tracks should be skipped, and the program should never be aborted. One could propagate a sort of "status" flag to the task, so that when this is False the

computation is blocked (maybe with a series of return kFALSE). In this way the task can continue just skipping the bad objects.
Just my opinion.

Subject: Re: Current Trunk version doesn't compile
Posted by [M.Babai](#) on Fri, 13 Mar 2009 12:01:02 GMT
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Christian Hoepfner wrote on Fri, 13 March 2009 12:55
BTW, what does everybody think: What is the actual best way to abort the program if something happens that may never happen?

Thank you for your fast reply and the fix.
I think the best way is to handle the exception.

Kind wishes.

Subject: Re: Current Trunk version doesn't compile
Posted by [Anonymous Poster](#) on Fri, 13 Mar 2009 12:20:09 GMT
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Hi Stefano,

you are right about cases where the fit goes wrong. We don't have a hard abort in that case. The case which came up here, was if someone calls a function which is not implemented. It means that for some track reps, features like `extrapolateToPoca` don't have to be implemented by all means. However if you want to use the `trackRep` with hits that need this feature, we want to abort.

Cheers, Christian
