Subject: Compiler Warnings
Posted by [Ralf Kliemt](#) on Fri, 13 Jan 2017 14:12:38 GMT

Dear Developers,

There are a large amount of compiler warnings in our code. Even when disabling "-Weffc++" we were at over 6000 warnings. Several occurring multiple times due to the dependency structure.
I took the liberty to remove some of them. One major haul was submitted yesterday, removing unused variable declarations. Although I paid a lot of attention there may be one or two variables that are not used but their declaration is calling a function that does actual calculations.

Every package responsible should revisit those changes!

Cheers!
  Ralf

Subject: Re: Compiler Warnings
Posted by [Ralf Kliemt](#) on Wed, 18 Jan 2017 08:52:05 GMT

Hi all.

There is another commit, containing fixes for -Wextra, mainly copy constructor fixes and ignored "const" expressions.

Please note there are not initialized variables in the following files:

PndRichHitProducer.cxxPndTrkClaenup.cxxPndGlobalIdealTrackMerger.cxxPndTrkTracking2. cxx

Cheers!
  Ralf

Subject: Re: Compiler Warnings
Posted by [Ralf Kliemt](#) on Fri, 27 Jan 2017 10:10:44 GMT

Dear Developers,

There is a new commit dealing mostly with the order of variable initialization. (2/3 of this part is done).

I want to steer the attention to the following files:

PndSttGeometryMap.cxx: l.227

PndEmc.cxx: l.468
PndEmcStructure.cxx: l.561
---> Here are logical operations not written explicitly with braces. Please revisit this part thoroughly!

Cheers!
  Ralf

Subject: Re: Compiler Warnings
Posted by Dmitry Morozov on Fri, 27 Jan 2017 11:51:40 GMT
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Dear Ralf,

do I understand you correclty that "Here are logical operations not written explicitly with braces" is dealing with readability and clearity of reading the code for other developers?

Thank you,
Dmitry.

Subject: Re: Compiler Warnings
Posted by Ralf Kliemt on Fri, 27 Jan 2017 13:53:36 GMT
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Hi Dmitry,

This is one aspect. However, I would like to have the developers (is that you?) revisit this special point, because it creates a compiler warning with the "-Wall" flag. I also fear that the logic contains a real bug in this place.

Cheers!
  Ralf

Subject: Re: Compiler Warnings
Posted by Dmitry Morozov on Mon, 30 Jan 2017 11:51:26 GMT
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Hi Ralf,

I touched only stuff concerning FSC within these files. I'm not the author of that lines with warnings. This part handles gemetry of Farward Endcap EMC.

Best regards,
Dmitry

Subject: Re: Compiler Warnings
Posted by Ralf Kliemt on Wed, 22 Mar 2017 07:45:44 GMT

Hi Folks,

We're down to 13 Warnings, excluding the thousands from -Weffc++.
I think we don't need to fix the warnings concerning effc++ as it is about having for each class
a copy constructor, an assignment operator and to initialize always before the scope of the
constructors starts.

From now on we will see the warnings during compilation on our systems, so take care please.

Cheers!
  Ralf

Subject: Re: Compiler Warnings
Posted by Tobias Stockmanns on Wed, 22 Mar 2017 08:02:56 GMT

Great work Ralf!