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Subject: Re: Problems with GEANE and trackbase  
Posted by [Andrea Fontana](#) on Tue, 11 Mar 2008 16:09:21 GMT  
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Hi Mohammad,

Lia has looked into this problem and it seems that the problem originates from -O2 option in the setting of the environmental variable CMAKE\_CXX\_FLAGS\_DEBUG. We have gcc 3.4.6. Without this option the routine works correctly.

We have looked into 3.4.6 manual and we found this:

"

Unlike most other C compilers, GCC allows you to use -g with -O. The shortcuts taken by optimized code may occasionally produce surprising results: some variables you declared may not exist at all; flow of control may briefly move where you did not expect it; some statements may not be executed because they compute constant results or their values were already at hand; some statements may execute in different places because they were moved out of loops.

"

In CbmTrackParP there is a call to the routine that changes track representation that seems to depend on this compilation flag.

Do you have any idea?

Ciao,  
Andrea and Lia

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