Subject: Re: Problems with GEANE and trackbase
Posted by Andrea Fontana on Tue, 11 Mar 2008 16:09:21 GMT

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