
Subject: Re: New release of external packages

Posted by [Mohammad Al-Turany](#) on Thu, 18 Oct 2007 15:32:37 GMT

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Hallo,

I tried to reproduce these problem and I have found the following:

1. 64-bit, gcc version 4.1.2 (Debian 4.1.1-21)

I do not see these crashes! I took the external package tar file and the latest SVN and run 10000 event (sim_emc.C macro) which run through without crashing, but there is a very funny warning :

Info in <TGeoShapeAssembly::DistFromInside>: Cannot compute distance from inside the assembly (but from a component)

which comes many times during the simulation, and which means that we have serious problems in the geometry!

2. 32-bit gcc version 3.3.5 (Debian 1:3.3.5-13)

I get the same crash which all off you have seen,

Now trying to check the geometry build by the emc macro I get:

Info in <TGeoNodeMatrix::CheckOverlaps>: Checking overlaps for cave and daughters within 0.1

Info in <TGeoNodeMatrix::CheckOverlaps>: Number of illegal overlaps/extrusions : 73526

and for the runMVDSim.C

Info in <TGeoNodeMatrix::CheckOverlaps>: Checking overlaps for cave and daughters within 0.1

Info in <TGeoNodeMatrix::CheckOverlaps>: Number of illegal overlaps/extrusions : 1

Overlap ov0: cave/pipe1_0 overlapping cave/pipe2_0 ovlp=1.075

So before we can proceed with testing I think it would be a good idea to get rid of these overlaps!

3. using Geant4VMC 2.4 :

I do not see these crashes on any system! but still see the overlaps.

finally, I would like to use the new Geant4_VMC in the external packages, not only for this reason but also because of the new way of setting the physics lists and the external decyar which

is only running with the newest VMC!