Subject: Re: radiation length study or G3 vs G4 Posted by Dmitry Khaneft on Fri, 25 Jun 2010 13:43:22 GMT

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Dear Mohammad,

I took a look in macro. There is one thing I do not understand. Why multiplicity is set to 10?

I changed multiplicity from 10 to 1, replaced MVD with a latest (Mvd-2.1_AddDisks_FullVersion.root) geometry and commented some of the detectors. Edited version is attached.

I got 2 different pictures.

But when I use default for this macro MVD geometry (MVD_v1.0_woPassiveTraps.root) both G3 and G4 gave same results.

I comment out everything except of MVD and run 4 times with both new and old geometries with G3 and G4.

Results are attached. As you can see there is a difference of the order of 1 radiation length at some points when latest MVD is used and no difference in case of old geometry.

Best regards, Dmitry

File Attachments

- 1) g3newMVDE.eps, downloaded 407 times
- 2) g4newMVDE.eps, downloaded 361 times
- 3) g3oldMVD.eps, downloaded 336 times
- 4) g4oldMVD.eps, downloaded 367 times
- 5) rad_complete_stt.C, downloaded 368 times