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 438 times
2) g4newMVDE.eps, downloaded 389 times
3) g3oldMVD.eps, downloaded 365 times
4) g4oldMVD.eps, downloaded 394 times
5) rad_complete_stt.C, downloaded 395 times