Subject: New MVD Geometry
Posted by Simone Bianco on Mon, 15 Mar 2010 14:14:01 GMT

Dear all,

during the last collaboration meeting Thomas showed the new geometry implemented for the MVD. Let me remind you that we have now four different versions:

MVD

Mvd-2.1_FullVersion.root
Mvd-2.1_Sensitive.root

MVD + Additional Disks

Mvd-2.1_AddDisks_FullVersion.root
Mvd-2.1_AddDisks_Sensitive.root

In both cases the "_Sensitive.root" definition is including only the silicon components.
I performed a short test in order to understand the impact of the "full version" geometry on the duration of the simulations.
As a benchmark I used macro/run/sim_complete_tpc running simulating 1000 events. These are the results:

Geometry	RealTime	CpuTime
MVD_v1.0_woPassiveTraps.root	229 s	212 s
Mvd-2.1_Sensitive.root	234 s	223 s
Mvd-2.1_FullVersion.root	327 s	309 s

I hope this helps.

Best regards,

Simone