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

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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