Subject: MDT modification to run with different geometries
Posted by Marco Destefanis on Thu, 18 Dec 2008 12:19:34 GMT

Hi all,

together with George, we have modified a part of the PndMdt.* class. We have moved the public method "ConstructGeometry" and "ProcessHits" into a different file: "PndMdtGeoConstructorTo.*". In this way it is possible to run simulations with different MDT geometries.
We have also prepared the same structure for the MDT implementation of the Dubna group ("PndMdtGeoConstructorDu.*").

The code is compiled during the normal PandaRoot compilation and then it can be used with a simple modification in sim_muo.C. To add the MDT module to the simulation, one needs to use

```
PndMdt* Mdt = new PndMdt("MDT",kTRUE);
Mdt->SetMdtVersion("torino");
Mdt->SetGeometryFileName("muopars.root");
fRun->AddModule(Mdt);
```

To run with the Dubna group design, one needs to use Mdt->SetMdtVersion("dubna");

Bye,
Marco