Subject: Simulation for lambda-lambdabar benchmark chennal
Posted by Ajay Kumar on Tue, 09 Oct 2012 15:24:19 GMT
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Hi Panda Rooters,

I want to simulate lambda-lambda bar benchmark channel for my analysis. In simulation macro I am having following sub detectors with this order:-

```
// Create and add detectors
 //-------------------------
 FairModule *Cave= new PndCave("CAVE");
 Cave->SetGeometryFileName("pndcave.geo");
 fRun->AddModule(Cave);

 FairModule *Magnet= new PndMagnet("MAGNET");
 //Magnet->SetGeometryFileName("FullSolenoid_V842.root");
 Magnet->SetGeometryFileName("FullSuperconductingSolenoid_v831.root");
 fRun->AddModule(Magnet);

 FairModule *Dipole= new PndMagnet("MAGNET");
 Dipole->SetGeometryFileName("dipole.geo");
 fRun->AddModule(Dipole);

 FairModule *Pipe= new PndPipe("PIPE");
 fRun->AddModule(Pipe);

 FairDetector *Stt= new PndStt("STT", kTRUE);
 Stt->SetGeometryFileName("straws_skewed_blocks_35cm_pipe.geo");
 fRun->AddModule(Stt);

 FairDetector *Mvd = new PndMvdDetector("MVD", kTRUE);
 // Mvd->SetGeometryFileName("Mvd-2.1_FullVersion.root");
 Mvd->SetGeometryFileName("Mvd-2.1_AddDisks_FullVersion.root");
 fRun->AddModule(Mvd);

 PndEmc *Emc = new PndEmc("EMC",kTRUE);
 Emc->SetGeometryVersion(2);
 Emc->SetStorageOfData(kFALSE);
 fRun->AddModule(Emc);

 PndMdt *Muo = new PndMdt("MDT",kTRUE);
 Muo->SetBarrel("fast");
 Muo->SetEndcap("fast");
 Muo->SetMuonFilter("fast");
 Muo->SetMdtMagnet(kTRUE);
 Muo->SetMdtMFIron(kTRUE);
 fRun->AddModule(Muo);

 FairDetector *Gem = new PndGemDetector("GEM", kTRUE);
 Gem->SetGeometryFileName("gem_3Stations.root");
 fRun->AddModule(Gem);
```

```
PndDsk* Dsk = new PndDsk("DSK", kTRUE);
Dsk->SetGeometryFileName("dsk.root");
Dsk->SetStoreCerenkovs(kFALSE);
Dsk->SetStoreTrackPoints(kFALSE);
fRun->AddModule(Dsk);

PndDrc *Drc = new PndDrc("DIRC", kTRUE);
Drc->SetGeometryFileName("dirc_l0_p0.root");
Drc->SetRunCherenkov(kFALSE); // for fast sim Cherenkov -> kFALSE
fRun->AddModule(Drc);

FairDetector *Fts= new PndFts("FTS", kTRUE);
Fts->SetGeometryFileName("fts.geo");
fRun->AddModule(Fts);
```

Now the Questions goes like as:-

Should I put any more subdetectors in my sim macro?

Does the order of implementation of detectors matters?

Thanks
