
Subject: Simulation for lambda-lambda bar benchmark chennai

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

Subject: Re: Simulation for lambda-lambdabar benchmark chennai
Posted by [Stefano Spataro](#) on Tue, 09 Oct 2012 15:38:37 GMT
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The standard complete setup is in macro/run

Subject: Re: Simulation for lambda-lambdabar benchmark chennai
Posted by [Ajay Kumar](#) on Wed, 10 Oct 2012 05:50:42 GMT
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Thanks Stefano.
