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Subject: Re: Problem with PndEvtGenDirect

Posted by [Stefano Spataro](#) on Wed, 06 Jul 2011 08:35:24 GMT

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Hi,

first of all, your macro is "very" old, muon and dirc detectors have changed the initialization. You could take a look into macro/run/tdrct macros.

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

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

Second. The problem is when you are storing the original EvtGen tree. Are you seeing many messages such as:

-W FairPrimaryGenerator: PDG code 88888 not found in database. This warning can be safely ignored.

?

This means that the StoreTree is on, maybe because you are using an old version of the code as your run\_sim shows.

The command:

```
EvtGen->SetStoreTree(kFALSE);
```

should prevent those entries.

However, those tracks are not reconstructed, you will see them in MCTrack but never in the detectors, they should be quite harmless.

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