Subject: Re: New Update causing problems and Output Data analysis
Posted by Radoslaw Karabowicz on Tue, 29 May 2012 22:00:35 GMT
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Dear Raghav,

Before loading libBase.so you have to load in several libraries, which you probably do in some macro. Please add there following libraries:

```
gSystem->Load("libProof");
gSystem->Load("libProofPlayer");
```

As for your later questions:

1. I am not really sure what information is saved in FairEmlfDetPoint, but usually we also save the position (x,y,z). You can do
cbmsim->Draw("FairEmlfDetPoint.fY:FairEmlfDetPoint.fX"); it will give you a 2D with all the points - there you can see if the points with phi~2 really are aligned into one trajectory.

The other possibility is to plot the fTrackId with a cut, like:
cbmsim->Draw("FairEmlfDetPoint.fTrackId","abs(FairEmlfDetPoint.fPhi-2.) <0.2"); this will give you track ids of all points that have fPhi from 1.8 to 2.2

2. Do you mean Eloss? It is stored in each point:
FairEmlfDetPoint->GetEnergyLoss() or
cbmsim->Draw("FairEmlfDetPoint.fELoss");

3. It should be rather clear from the name, what the member value mean:
fNPoints - number of track points
fMotherId - the id of mother particle, can be only calculated for the secondaries produced in Geant, the particles that are Geant input (primaries), will all have fMotherId = -1
fPdgCode - pdg code of the particle
Can you be more explicit, why it does not make sense?

plots:

MCEventHeader.fNPrim, if I were to guess, I would say you have 10 events in total: 2 events with 0 primaries, 3 with 1 primary and 5 events with 2 primaries.

FairEmlfDetPoint.fTrackId - that distribution looks a bit strange... Normally one does not have so large trackIds, but I haven't got much experience with ecal...

Are you saving GeoTracks?

yours
radek