Subject: Re: Abnormal distribution
Posted by Jifeng Hu on Tue, 22 Jan 2013 10:40:28 GMT
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Here I show the codes slice,

```
PndEmcBump* theHit = (PndEmcBump*) fRecoHitArray->At(HitIndex1);
    fEnergy1 = theHit->energy(); // E1
    fEnergy1C = theHit->GetEnergyCorrected()/1.009; //E1C
    PndEmcCorrection* theCorr = (PndEmcCorrection*)fCluCorrArray->At(HitIndex1);
    fEnergy1CC = theCorr->EnergyCorrPhoton();  //E1CC
```

since the peak energy provided by theHit->GetEnergyCorrected() has a shift, temporarily I made a further correction by a factor 1.009.

Attachment eps file shows the difference between
E1C-E1, E1CC-E1, and E1CC-E1C.

PndEmcClusterAna class is used to save information from PndEmcBump.
PndEmcMcTruthWriter class is used to save information from PncMCTrack.

best regards.

File Attachments

1) 3energy_diff.eps, downloaded 470 times
2) 3energy.eps, downloaded 473 times
3) PndEmcClusterAna.cxx, downloaded 524 times
4) PndEmcClusterAna.h, downloaded 459 times
5) PndEmcMcTruthWriter.cxx, downloaded 466 times
6) PndEmcMcTruthWriter.h, downloaded 495 times