
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 416 times
 - 2) [3energy.eps](#), downloaded 424 times
 - 3) [PndEmcClusterAna.cxx](#), downloaded 470 times
 - 4) [PndEmcClusterAna.h](#), downloaded 408 times
 - 5) [PndEmcMcTruthWriter.cxx](#), downloaded 409 times
 - 6) [PndEmcMcTruthWriter.h](#), downloaded 443 times
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