
Subject: Re: Abnormal distribution

Posted by [Dima Melnychuk](#) on Tue, 22 Jan 2013 11:55:55 GMT

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The first approach for energy correction

```
theHit->GetEnergyCorrected()
```

is obsolete and should be in principle removed.

What I personally used/implemented is the class

PndEmcClusterCalibrator(method),

which for

method=1 uses the same approach, but with corrected parametrization

and for

method=2 uses the same approach as in PndEmcCorrection class

but with recalculated histograms

See my old post (<https://forum.gsi.de/index.php?t=tree&th=3457&start=0&rid=78&S=6d7276e6f9612e28feff1e110f9d321d>) for details.

Example how to use it is in

/macro/emc/dedicated/EnergyPosCorrection/emc_correction_QA.C

But in short

```
PndEmcAbsClusterCalibrator * calibrator1=
```

```
PndEmcClusterCalibrator::MakeEmcClusterCalibrator(1);
```

```
PndEmcAbsClusterCalibrator * calibrator2=
```

```
PndEmcClusterCalibrator::MakeEmcClusterCalibrator(2);
```

```
PndEmcCluster *cluster=(PndEmcCluster*)cluster_array->At(i);
```

```
Double_t energy=cluster->energy();
```

```
Double_t energyC1 = calibrator1->Energy(cluster);
```

```
Double_t energyC2 = calibrator2->Energy(cluster);
```

Method 1 and 2 give in principle close results.

Could you recalculate you initial plot with these corrections?

Dima
