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Subject: Re: Cluster energy overestimated  
Posted by [mpeliz](#) on Wed, 05 Aug 2009 12:07:01 GMT  
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Hi Donghee,

the applied calibration method is described in the EMC TDR.  
We calibrate on the mean value of the asymmetric distribution of the reconstructed energy, not on it's maximum value. Therefore the "shift" you observed in your resolution plot.  
The broad spread for a few events in your plot could come from split offs or photons going to the edge barrel/endcap or forward/Shashlyk.

However, the parameters of the calibration were taken from the Babar-like software which uses a different Geant version then the actual one used by PandaROOT. Therefore -at least- some fine tuning is necessary and we are looking for volunteers.

Sincerely,  
Marc