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Subject: Re: emc data flow diagram

Posted by [Stefano Spataro](#) on Tue, 06 Nov 2007 10:30:06 GMT

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Hi,

I think that if the PndEmcRecoHit should be our "final product" and almost a copy of PndEmcBump, it makes no sense to create an additional object: let's rename PndEmcBump into PndEmcRecoHit and that will be all, maybe with some modifications. I do not think we have to duplicate the same information in the stream, I think it is not necessary.

However, for the energy calibration, what one could do is to add a fEnergyCorrected as data member for the Bumb(RecoHit), that at the beginning will be equal to the normal fEnergy. Then one calls a Calibrater task which overwrites only the fEnergyCorrected, without needs of additional objects. In this way we have in the same object both the raw energy and the calibrated one.

In each case energy calibration depends on the transport model, so this step could be tricky before a good physics validation.

Opinions are welcome...

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