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Subject: Re: PndMicroWriter and pi0 reconstruction efficiency  
Posted by [Stefano Spataro](#) on Tue, 03 Feb 2009 18:59:02 GMT  
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Bertram Kopf wrote on Mon, 02 February 2009 21:37

After the bump splitting procedure the emc track matching should follow in the reco sequence. The bumps / cluster are then associated either with charged or with neutral particles. Then the energy and spartial correction should follow because the correction is strongly correlated to the assumed particle type. Therefore I would prefore to introduce objects like EmcChargedCand and EmcNeutralCand which then should be interfaced to the analysis part.

This part is done inside the PndMicroWriter, which fills PndChargedCandidates and PndNeutralCandidates TCA (TCandidate). The correlation depends on the tracking, then on the input that the user set to the MicroWriter. Inside the MicroWriter the code separates emc bumps/cluster correlated to tracks to the uncorrelated.

I think the structure of the code is present, of course the algorithms require an improvement and were never tested for large amount of data.

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