
Subject: Re: Event Mixing with TPC

Posted by [Felix Boehmer](#) on Wed, 24 Aug 2011 15:13:07 GMT

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Hi Stefano,

Concerning the mixing macros: as I said before, this is all quite a lot manual labor at the moment.

I will send you a bunch of macros and cluster scripts along with a short discription in a couple of minutes. It will be quite some work to streamline those files for grid usage I suppose

The mixing is based on rate assumptions, just taking 1000 or 2000 DPM events, respectively, and mix them with one physics event (η_c). On top of that the scale of the distortions can be chosen.

To the second question: The clusters in the candidate contain a `McIdCollection` of `McIds` they contain from digi level. There is also an `EventID` which is 0 for the physics tracks and >0 for background tracks.

Cheers

Felix
