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Subject: Re: TPC digitization blocks everything for too many cluster events

Posted by [Jens Sören Lange](#) on Wed, 09 Jun 2010 08:29:19 GMT

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Hi Sebastian, yes, I was just about writing the same!!

I completely agree that it is important to keep these events in.

This is real background which will occur in data taking as well.

I actually think this might Bremsstrahlung in the detector material, beampipe or TPC gas (by Geant) with  $\gamma \rightarrow e^+e^-$  and then curling  $e^\pm$ .

I suspect so because it seems to occur more often in  $J/\Psi \rightarrow e^+e^-$  (about 1/1000 events) than in  $J/\Psi \rightarrow \mu^+\mu^-$

(rough estimate is  $\sim 1/10000$  events or even less).

cheers, Soeren

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