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Subject: pi0 in fast simulation

Posted by [Ronald Kunne](#) on Fri, 18 Apr 2014 15:00:26 GMT

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Hi there,

I compared pbar p -> e+ e- pi0 both in Full and Fast simulation.

Conclusions: the lack of bremsstrahlung and pair production makes electron and pizero resolution a bit too good in my opinion. The problem is that the Full simulation produces a lot of background in the EMC that spoils the resolution and reconstruction of the particles.

See the uploaded pdf file.

Friendly greetings,  
Ronald Kunne

### File Attachments

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1) [piz140417.pdf](#), downloaded 278 times

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