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Subject: Re: Psi analysis as a cross check from donghee kang  
Posted by [Felix Boehmer](#) on Wed, 17 Aug 2011 13:47:04 GMT  
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Hi Donghee,

the difference lies within the pattern recognition and how prone this algorithm is to track splitting / finding of ghost tracks.

I saw in your slides that you define the efficiency as # rec. events / # simulated events. It would be very interesting to see the plot of slide 5 if you only consider events that left all 6 charged tracks inside the volume of the CT on MC level.

In the case of the TPC, the best thing would be to limit the selection of events to only those where all 6 charged tracks have at least 100 MC points, as the pattern recognition is based in tracks found in the TPC alone that have a certain minimum length (10 clusters).

Cheers

Felix

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