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Subject: Re: Update on eta\_c reconstruction with STT and TPC  
Posted by [Dima Melnychuk](#) on Sat, 30 Jul 2011 10:09:41 GMT

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Hi Lia,

Looking on the number of counts in eta\_c peak with 80 vs 8000, I can add that number of analysed events is 2000 vs 100k. So drop of efficiency by factor 2 appears already on this level.

And concerning the error at lower statistics (calculating it as a square root of number of reconstructed eta\_c) it's about 1%, i.e.  $15 \pm 1\%$  vs 23%. So the numbers are not really compatible within errors, (may be it's just a matter of fluctuation).

> The grid sample has been simulated in the july11 release, right?

Yes.

By monday I will try to calculate a little bit higher statistics, i.e. 5000 events. And here I have a question to Gianluigi if I should update the code to his commit from yesterday night?

Dima

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