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Subject: Re: Update on eta\_c reconstruction with STT and TPC

Posted by [Lia Lavezzi](#) on Sat, 30 Jul 2011 09:06:59 GMT

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Hi Dima,

thank you for the feedback and good to know that we can exclude this change from the suspects

I was looking again at the IM distributions: the shapes of the distributions of the eta\_c IM seem similar. The mean values are 2.852 and 2.848 and the RMS are 0.2142 and 0.2151. Moreover the peak # of entries is 80 in the low statistic case and 8000 in the high statistic one and the counts drop to 40 in the first case and 4000 in the second one. So it could really be only the low statistic.

For the phi IM it is more difficult to say, since the ranges of the histograms are different.

What about the errors on the efficiency calculation? Do you think that the two efficiencies (low and high stat) are compatible within the errors?

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

I would ask also Gianluigi to comment on this, since maybe he knows of possible causes of the drop in efficiency that I miss.

Cheers,

Lia.