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Subject: Re: eta\_c with event mixing for STT  
Posted by [Dima Melnychuk](#) on Fri, 02 Sep 2011 09:37:40 GMT  
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Dear colleagues,

Here I update plots on eta\_c reconstruction with STT and event mixing with runs mix301, mix311, mix321, mix331.

There is an improvement comparing to previous results but the results are still far from reasonable.

Multiplicity of charged tracks:

23% of events have  $\geq 4$  tracks in comparing to 8% in previous run and 72% without event mixing.

And invariant mass of phi and eta\_c with preselection on phi mass window:

Here phi peak appears but still no indication of eta\_c peak.

Finally 36 events were reconstructed from 100 k.

Dima

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#### File Attachments

- 1) [n\\_charged.png](#), downloaded 252 times
  - 2) [m\\_nocuts.png](#), downloaded 273 times
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