
Subject: eta_c with event mixing for STT
Posted by [Dima Melnychuk](#) on Mon, 29 Aug 2011 22:35:11 GMT
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Dear colleagues,

I have analysed the eta_c data produced on the GRID with event mixing, and at the moment I still do not understand the results.

But I just want to share some plots to show the current status.

So multiplicity of charged tracks:

Only 8% of events have ≥ 4 tracks which is much lower than 72% without event mixing.

Invariant mass of phi and eta_c with preselection on phi mass window:

Here there is no indication of phi or eta_c peak.

And applying MC Truth PID does not change this distribution much.

And finally only 4 events out of 100k pass the selection cuts.

So the results still have to be understood.

Dima

File Attachments

- 1) [n_charged_stt.png](#), downloaded 511 times
 - 2) [m_nocuts_stt.png](#), downloaded 551 times
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