Subject: eta_c with event mixing for STT Posted by Dima Melnychuk on Mon, 29 Aug 2011 22:35:11 GMT View Forum Message <> Reply to Message

Dear colleagues,

I have analaised 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 aplying MC Truth PID does not change this distribution much.

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

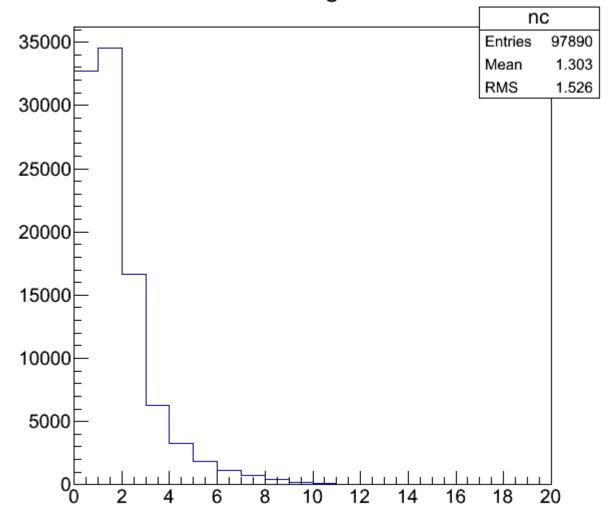
So the results still have to be understood.

Dima

File Attachments

1) n_charged_stt.png, downloaded 961 times

n charged



2) m_nocuts_stt.png, downloaded 1023 times

