Subject: STT reconstruction efficiency in eta_c analysis
Posted by Dima Melnychuk on Thu, 16 Jun 2011 11:46:11 GMT
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Hi all,

Returning to the problem which was discussed yesterday with STT reconstruction efficiency with the version of stt reconstruction code used on GRID, below I present plots with multiplicity of reconstructed tracks with version used on GRID and latest stt code from svn.

Just to remind it's decay eta_c->phi phi-> K+K-K+K-, i.e. in ideal case 4 charged tracks are expected.

On GRID:

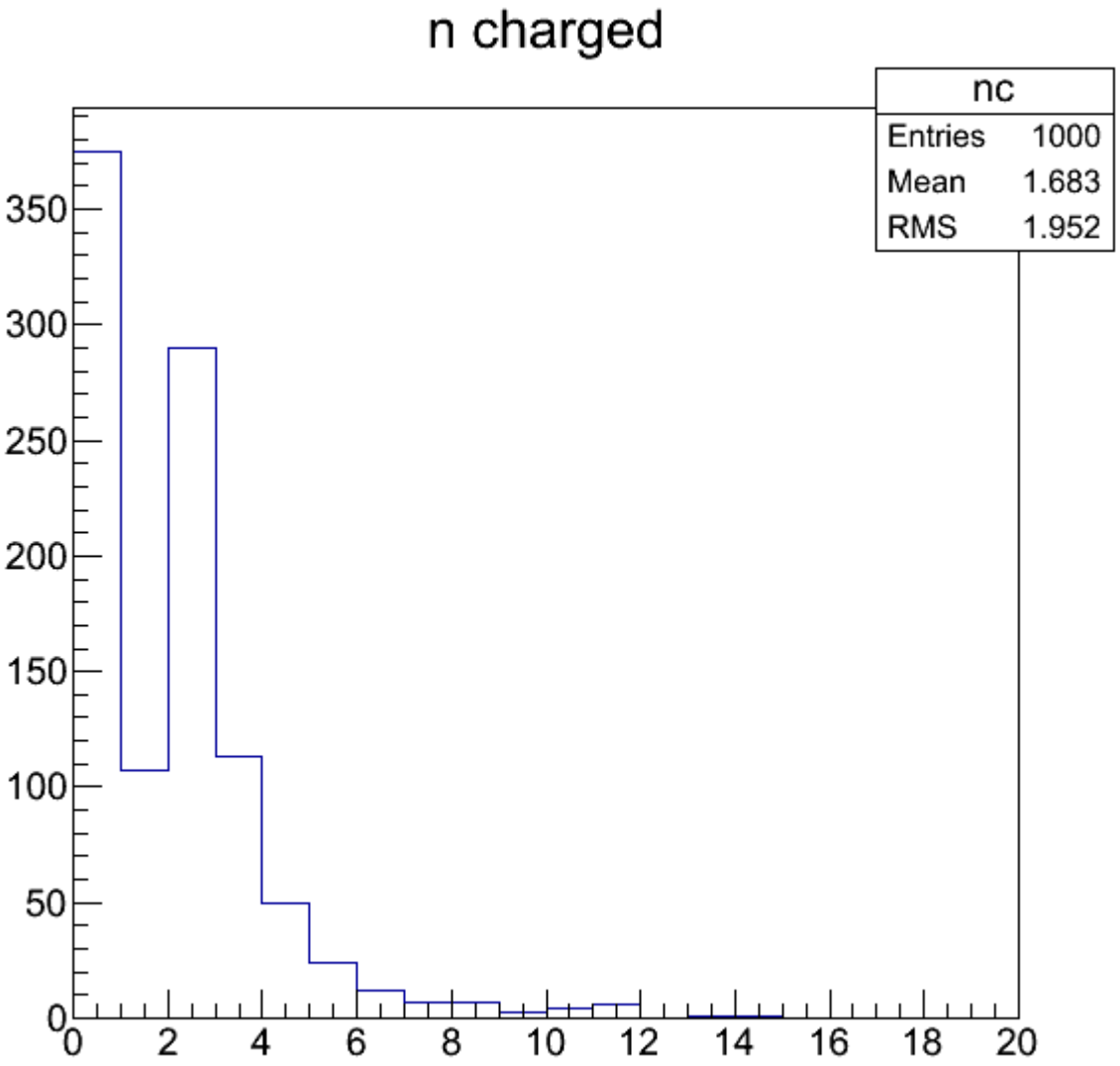
From SVN:

I.e. problem with drop in reconstruction efficiency is resolved.

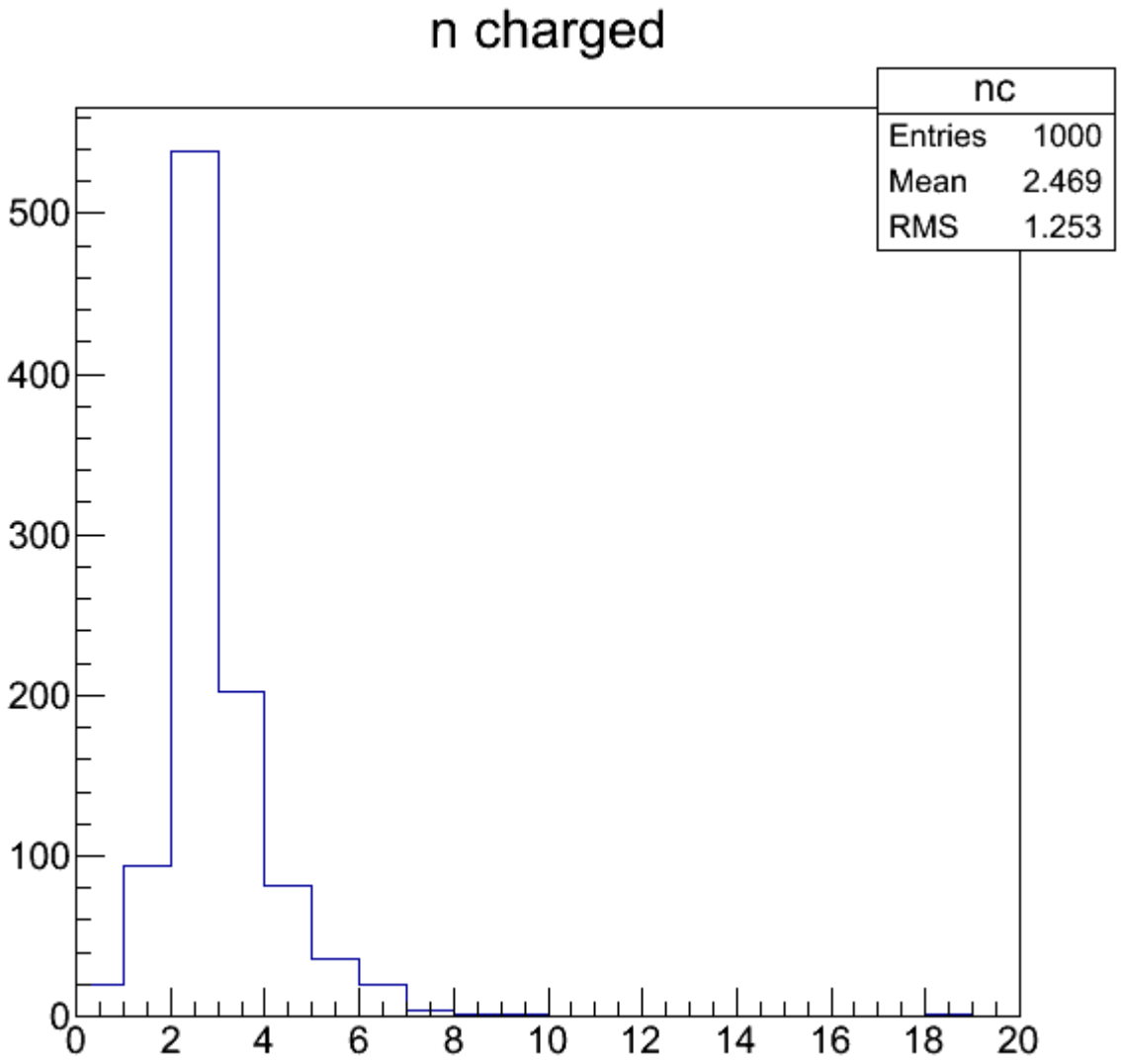
Dima

File Attachments

1) n_charged.png, downloaded 1221 times



2) n_charged_new.png, downloaded 1220 times


n charged
nc
Entries 1000
Mean 2.469
RMS 1.253
500
400
300
200
100
0
0 2 4 6 8 10 12 14 16 18 20