Subject: Small changes to improve efficiency at low momentum
Posted by StefanoSpataro on Tue, 22 Jul 2014 12:43:17 GMT
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Dear all,
I did three small changes which should improve a bit the efficiency for low momentum tracks.

a) The sttmvdgem ideal track fidner now considers only the first 25 hits, to cut curling tracks.
b) The geane internal cut on 100MeV/c is now decreased to 5MeV/c
c) The Pid candidates are filled starting from 50 MeV/c (before from 100 MeV/c)

It would be nice if somebody could test to check how much is the gain.

Subject: Re: Small changes to improve efficiency at low momentum
Posted by Elisabetta Prencipe (2) on Tue, 22 Jul 2014 13:37:04 GMT
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Hi Stefano,

I will try the new trunk update. In the meantime, as I cannot attend the pandaroot meeting, tomorrow, I send you one slide.
I show here a test which I performed in testing the trunk which I had used 2 months ago, and the recent trunk rev 25545, to reconstruct the missing mass of Ds- in the decay process pbarp to Ds- Ds(XXX).

In the new trunk revision, the three peaks in input are well seen; in the old revision, I got troubles.
Thank you to fix the problems with the emc and gem. Now it works pretty good!

My best, Elisabetta

File Attachments
1) Prencipe_22072014.pdf, downloaded 531 times

Subject: Re: Small changes to improve efficiency at low momentum
Posted by StefanoSpataro on Fri, 15 May 2015 10:03:14 GMT
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The condition:
Quote:
a) The sttmvdgem ideal track fidner now considers only the first 25 hits, to cut curling tracks.

has been removed, since it contains some logical problem.