Subject: [FIXED] Problem with PndVertexFitter for particles with neutral charge
Posted by Jennifer Pütz on Fri, 29 May 2015 08:44:07 GMT
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Hi everyone,

anti-lambda0 decays into an anti-proton and a pi+.

If I combine the proton and the pi- to the lambda0 the vertex fitter is working fine. Same for the antilambda0. But when I combine lambda0 and pi- to Xi- the vertex fitter does not work.

The vertex fitter is working fine for combining proton and pi- to lambda0. But if I combine lambda0 and anti-lambda0 to the pbar p system, here again the vertex fitter does not work.

I checked the 4-Mom-Constraint Fitter and it is working.

Is there already a solution for this problem?

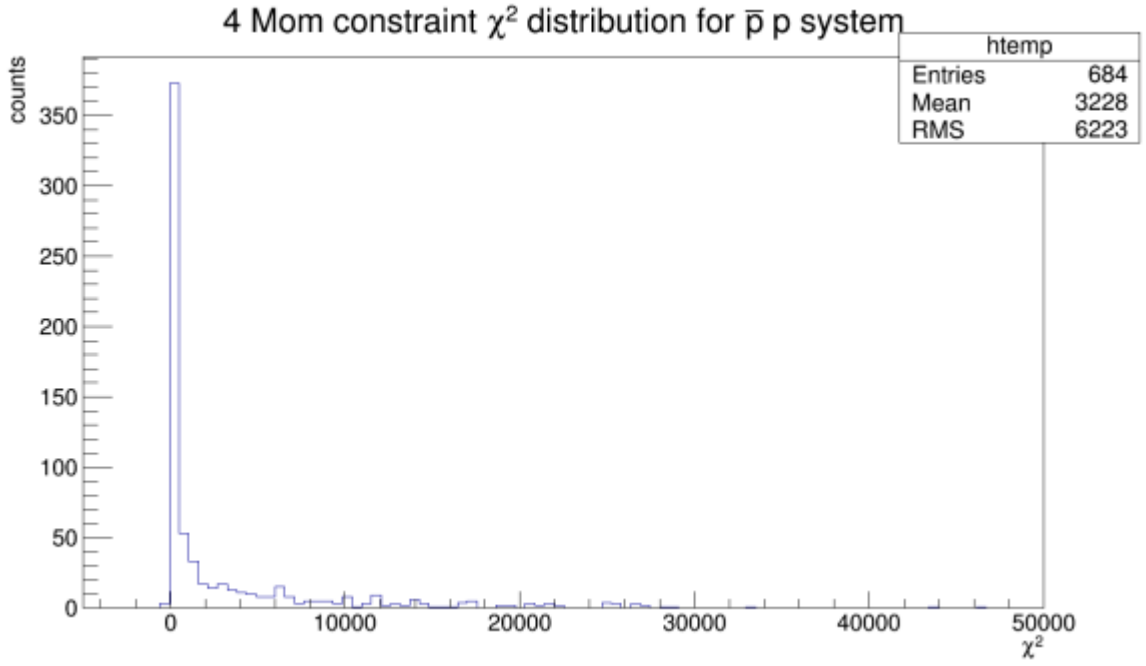
I'm using on my system:

Fairsoft Version: March 15
FairRoot: Master
PandaRoot: Trunk Rev. 27718

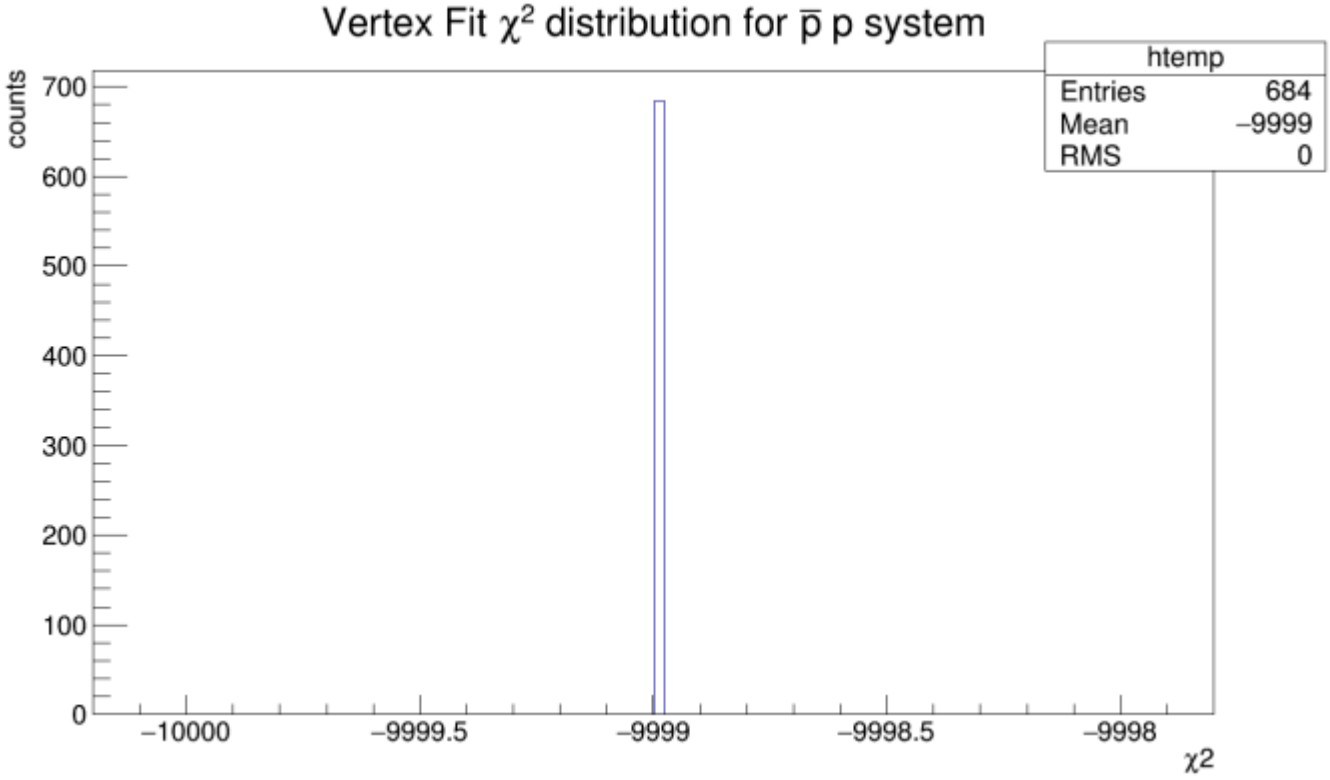
Best
Jenny

File Attachments

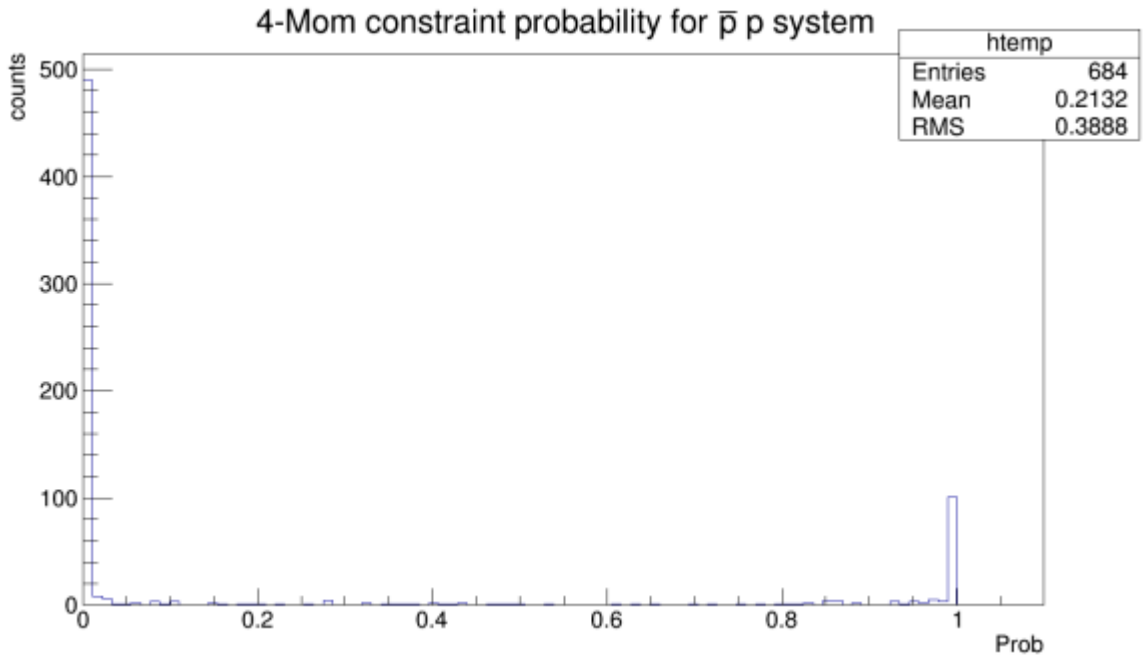
1) 4CFit_chi2.png, downloaded 1501 times



2) VertexFit_chi2.png, downloaded 1523 times



3) 4CFit_prob.png, downloaded 1523 times


4-Mom constraint probability for $\bar{p}$ p system
htemp
Entries 684
Mean 0.2132
RMS 0.3888
counts
500
400
300
200
100
0
0
0.2
0.4
0.6
0.8
1
Prob