Subject: Problem with Xi(1820) in EvtGen
Posted by Jennifer Pütz on Wed, 14 Oct 2015 11:49:13 GMT
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Hi everyone,

I have a problem with EvtGen.

add p Particle Xi(1820)- 23314 1.8230000e+00 2.4000000e-02 2.0000000e-01 -3 3 0.0000000e+00 23314

Xi(1820)- has a mass of 1.823 GeV/c^2 and spin 3/2.
But if I run EvtGen the mass distribution of Xi(1820)- has a rectangular shape.

If I change the spin to 1/2 or 5/2 the mass distribution is looking fine (see plots below).

For other particles with spin 3/2 EvtGen is running fine.

I wrote already to the person who is responsible for the mass generation in EvtGen. But he is not answering.
Maybe there is someone of you having an idea how to fix this.

Cheers,

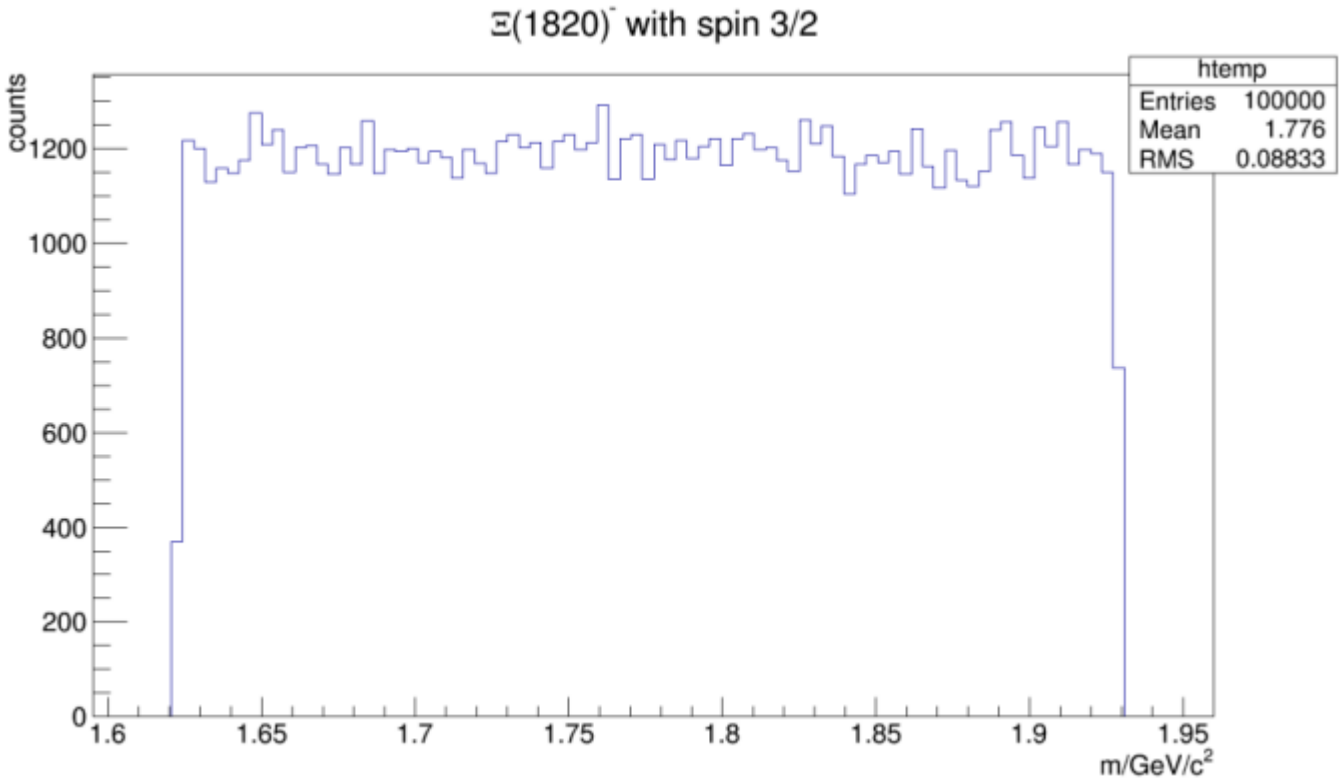
Jenny

I am using:

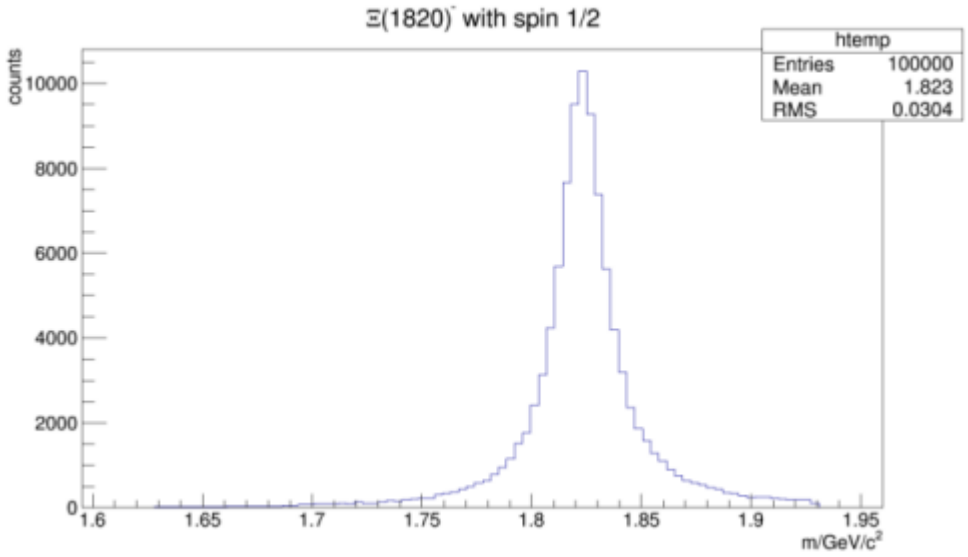
PandaROOT: trunk rev. 28555
FairSoft: mar15
FairRoot: v-15.03a

File Attachments

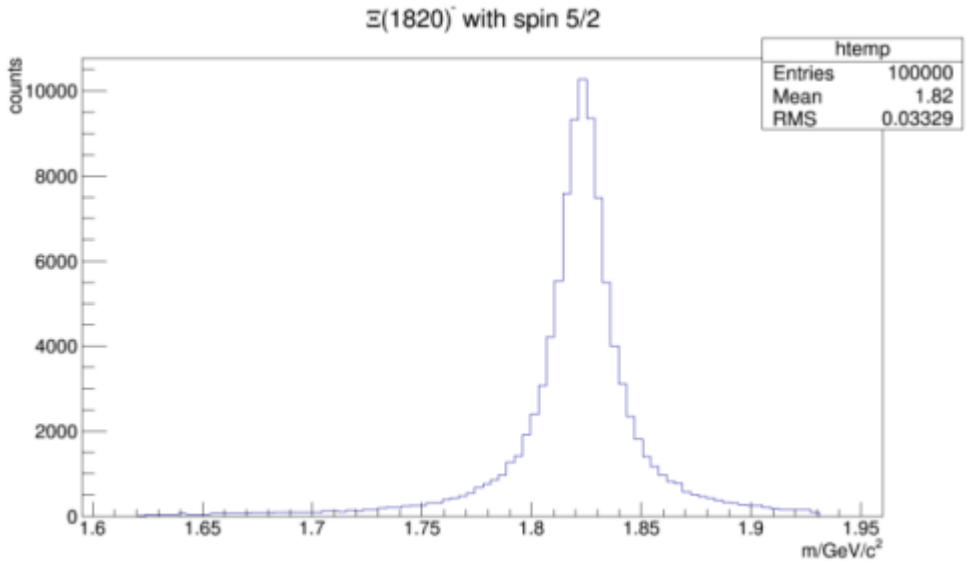
1) XiMinus1820_Spin_3half.png, downloaded 2039 times



2) XiMinus1820_Spin_1half.png, downloaded 1800 times



3) XiMinus1820_Spin_5half.png, downloaded 2013 times



4) evt.pdl, downloaded 700 times
5) XiMinus_1820_lambda0_K.dec, downloaded 672 times