
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/c² 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 425 times
 - 2) [XiMinus1820_Spin_1half.png](#), downloaded 397 times
 - 3) [XiMinus1820_Spin_5half.png](#), downloaded 405 times
 - 4) [evt.pdl](#), downloaded 242 times
 - 5) [XiMinus_1820_lambda0_K.dec](#), downloaded 245 times
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