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Subject: [FIXED] Problems with sim macro

Posted by [Jennifer Pütz](#) on Tue, 06 Oct 2015 09:22:41 GMT

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Hi all,

I have a problem with the "standard" sim macro.

I run a test simulation for pbar p -> Xi(1820)+ Xi- with 1000 events and a beam momentum of 4.6 GeV/c .

When I look into the macro output sim\_complete.root there are two cbmsim branches named cbmsim;1 and cbmsim;2. The number of entries in cbmsim;1 is smaller than in cbmsim;2. And the number of generated particles with motherID== -1 is not matching for cbmsim;1. (For cbmsim;2 everything seems to be fine.)

The problem is that the standard pid macro seems to use cbmsim;1.

If I reduce the number of events to e.g. 500, there is only one cbmsim branch with the correct number of generated particles in the output file.

Can anyone help me with this problem?

I attached the sim macro, my .dec-file and a modified evt.pdl which contains the added Xi(1820)+ particle.

Cheers

Jenny

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I'm using:

PandaRoot: trunk rev. 28555

Fairsoft: mar15

FairRoot: master

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#### File Attachments

- 1) [evt.pdl](#), downloaded 409 times
- 2) [XiPlus\\_1820\\_AntiLambda0\\_K.dec](#), downloaded 416 times
- 3) [sim\\_complete.C](#), downloaded 402 times

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