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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  $p\bar{p} \rightarrow \Xi(1820)^+ \Xi^-$  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 433 times
  - 2) [XiPlus\\_1820\\_AntiLambda0\\_K.dec](#), downloaded 438 times
  - 3) [sim\\_complete.C](#), downloaded 427 times
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