Subject: Re: general
Posted by Elisabetta Prencipe (2) on Wed, 26 Mar 2014 12:08:32 GMT
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Dear Foram,

please provide more detailed information about what you like to do in Pandaroot, otherwise it is difficult to try to help. Here I just take a guess on what are your concerns.

1) As Stefano suggested, it is better to move to the last trunk and proceed as suggested here:
https://panda-wiki.gsi.de/foswiki/pub/Computing/Minutes24March2014/Goetzen_FastSim_Mar2014.pdf

So, please update your release, as here I see that you are using the old apr13.

2) which decay are you simulating? here you say X(3872). So, pbar p ---> X(3872) ---> (?)
you should be warned that other people in PANDA already tried the simulation of X(3872) --->J/psi pi pi, with nice results [Martin Galuska]. It would be easier/faster for you to take a look on what they already did.

3) you calculate the invariant mass (whatever is your final state. I guess: it is always X to J/psi pi pi) in the analysis macro.

You first simulate you decay (no need to re-invent a file.dec, if it already exists); then you digitize; then you reconstruct your events. Then you use the pid macro. Last step is to run you own analysis macro, depending what you wish to look at (mass, momentum, energy, resolution,....,whatever selection variable you can build). Macros must be run exactly in this order, as suggested in the tutorial.

4) as Stefano suggested, the updated macros are in /macro/run/

5) make sure not to run too many events in the same file. Suggestion Nevent = 2000/each job.

cheers, Elisabetta