Subject: Re: eta_c generation with EvtGen Posted by Dima Melnychuk on Sat, 03 Dec 2011 22:35:52 GMT View Forum Message <> Reply to Message

Hi Stefano,

Actually I think that preferable solution here is to put spin of pbarpSystem to 1.

In general in proton-antiproton anihilation limiting to S and P waves 6 states with different quantum numbers are possible. Particularly Psi(3770) as $J^{(PC)=1^{--}}$ state correspond to ^3S_1 of p-pbar system.

And in principle if we know that Psi(3770) is produced means that anihilation took place with these quantum numbers.

So spin of pbarpSystem should be adjusted to the the spin of particle we want to produced. Of course it's a little bit inconvenient to edit evt.pdl every time for this purpose but I do not know another solution at the moment.

Dima

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