Subject: Question about the EvtSpinDensity
Posted by gopchang22 on Wed, 19 Mar 2014 06:35:37 GMT
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Dear everyone.

I'm studying the decay of Lambda_c+(2765) to Sigma_c Pi to find out the spin of Lambda_c(2765)+.
And I'd like to generate the MC of this decay with each Lambda_c(2765) spin hypothesis.
The configuration of spin is easy, but I'd like to change the spin density of Lambda_c(2765).
I guess EvtSpinDensity is the one I'm looking for,
but I have no idea how to use it.

Is there any simple example or manual about this?
Any advice or comment would be appreciated.

Subject: Re: Question about the EvtSpinDensity
Posted by StefanoSpataro on Fri, 21 Mar 2014 08:52:15 GMT
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Did you check the EvtGen documentation file in the repository?

Subject: Re: Question about the EvtSpinDensity
Posted by gopchang22 on Fri, 28 Mar 2014 06:41:56 GMT
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Dear Stefano Spataro.

Thank you very much for your attention.
Actually I don't belong to PANDA, I belong to BELLE experiment in Japan.
So I can't access documentation except on web.
Now I'm reading "EvtGen A Monte Carlo Generator for B-Physics - Cern" (IT's easy to find in google.)
but description is not enough.
Could you send me a document file in repository using e-mail? (gopchang22@gmail.com)
It will be very appreciate.

Subject: Re: Question about the EvtSpinDensity
Posted by StefanoSpataro on Fri, 04 Apr 2014 13:12:15 GMT
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Inside the evtgen installation there is a doc folder, which has the latex source of the documentation, you need only to compile it. But I believe it is the same of the document you already have.

The evtgen models change the spin density of the outgoing particles, not of the "primaries". In

this sense, once you let the Lambda_c(2765) decay you cannot change the properties.Now the question is: which channel produces your lambda_c? Once you define your channel, there you need to use the appropriate model. Maybe PARTWAVE could help in this case.
Maybe I have confused you more, did you ask directly to the evtgen people?