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Subject: Re: Fast simulation - MCTrack block

Posted by [Stefano Spataro](#) on Tue, 01 Apr 2014 09:36:59 GMT

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You don't have enough energy, and EvtGen is not letting your pbarpSystem decay:

This top particle is pbarpSystem 4.410 (10.365,0.000,-0.000,9.380)

pbarpSystem -> D'\_s1+ D\_s- 2.525 (2.525,0.000,0.000,0.000) 3; 1.968  
(1.968,0.000,0.000,0.000)

With your momentum you have  $\sqrt{s} = 4.410$ , but the mass sum of D'\_s and D\_s is  $2.525 + 1.968 = 4.493$ . This is the reason why you have such error messages from evtgen. You should increase your momentum.

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