Subject: simpleEvtGen doesn't know deuteron target
Posted by Albrecht Gillitzer on Tue, 28 Apr 2015 11:00:04 GMT
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Hi,

I noticed that simpleEvtGen doesn't know a deuteron target. The energy component of the pbardSystem 4-momentum is calculated assuming the target has the proton instead of the deuteron mass. I am sure that this had already worked in the past.
Anyway, I modified simpleEvtGen.cc and simpleEvtGenRO.cc locally as attached below. The logic is not exactly as in EvtGenDirect because I think that giving sqrt(s) for pbar+d doesn't make sense at all.
Could someone check this and - if OK - upload this to the repository?

Another thing that I noticed is that these source files and some other source files for decay models are marked as executable in my installation of the mar15 release which doesn't make sense.

Best regards,
Albrecht

File Attachments

1) simpleEvtGen.cc, downloaded 666 times
2) simpleEvtGenRO.cc, downloaded 758 times