Subject: [FIXED] DPM
Posted by Simon Reiter on Wed, 03 Jul 2013 21:38:24 GMT
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Hi all,
I used DPM generator to get some background statistics. In my analysis script I did n MC match to identify pions correctly. Additional I checked the MotherID to 88888 (pbarp-system) to know, how many of them decayed in the primary decay. But this check seems not to work as if there is no information stored.

Greetings
Simon

PS: Using Release April '13

File Attachments
1) 10-ana.log, downloaded 434 times
2) anatut_psi2s.C, downloaded 627 times

Subject: Re: DPM
Posted by StefanoSpataro on Thu, 04 Jul 2013 10:13:31 GMT
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Can you please check that in your sim macro you have the following command set to "kTRUE"?

EvtGen->SetStoreTree(kTRUE);

Subject: [FIXED] Re: DPM
Posted by Simon Reiter on Thu, 04 Jul 2013 11:27:42 GMT
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The Tree is stored. I could fix this problem with changing the request of the GetMcMotherIdx. I forgot that DPM does not start its decay with the pbarp. So the McMotherIdx is set to -1 and there is not candidate in the MCTruth list at position -1. Now I request additionally that GetMcMotherIdx()<0.
int motherId = mctrk[TCandidate.GetMcIdx()].GetMcMotherIdx();
if(motherId<0 || mctrk[motherId].PdgCode()==88888) {...}

Sorry for interruption