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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. Additionally 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

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#### File Attachments

1) [10-ana.log](#), downloaded 352 times

2) [anatut\\_psi2s.C](#), downloaded 401 times

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Subject: Re: DPM

Posted by [Stefano Spataro](#) 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);
```

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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

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