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Subject: [Solved]Problem with PndEvtGenDirect  
Posted by [Tobias Weber](#) on Wed, 06 Jul 2011 08:00:11 GMT  
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Hi,

I'm simulating the decay  $X(3872)$  to  $\mu^+\mu^- \pi^+\pi^-$  in the final state. But I observe a strange behaviour for EvtGenDirect and Geant3. Instead of 4 particles in the final state Geant tells me that I gets 6 particles from EvtGen. These particles seem to be additional muons with  $p=7\text{Gev}/c$  and  $\Theta=\Phi=0$ .

If I use EvtGen to create a output.evt and use this for the simulation everything looks fine. I attaced the decay file, simulation macro and some plots.

I use PandaRoot 11145 and Fairsoft may.

Cheers,  
Tobias

### File Attachments

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- 1) [MC\\_angles\\_e.pdf](#), downloaded 446 times
  - 2) [momentum\\_e.pdf](#), downloaded 402 times
  - 3) [run\\_sim\\_tpccombi.C](#), downloaded 502 times
  - 4) [X3872\\_mu\\_np.dec](#), downloaded 459 times
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