
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

- 1) [MC_angles_e.pdf](#), downloaded 657 times
 - 2) [momentum_e.pdf](#), downloaded 650 times
 - 3) [run_sim_tpccombi.C](#), downloaded 731 times
 - 4) [X3872_mu_np.dec](#), downloaded 682 times
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