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Subject: Re: PYTHIA6 usage

Posted by [Anna Skachkova](#) on Thu, 08 Oct 2020 12:23:42 GMT

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Dear Ralf,

Thank you for a fast replay. I have tried your script with the different changes, but didn't manage to get the same results. With the exactly(!) your script I've got:

mostly

.....===== PndPidCorrelator - Event: 960 - Number of tracks for pid 0 - Number of Clusters for pid: EMC: 1 FSC: 0

===== PndPidCorrelator - Event: 961 - Number of tracks for pid 1 - Number of Clusters for pid: EMC: 1 FSC: 0

===== PndPidCorrelator - Event: 962 - Number of tracks for pid 1 - Number of Clusters for pid: EMC: 1 FSC: 0

===== PndPidCorrelator - Event: 963 - Number of tracks for pid 1 - Number of Clusters for pid: EMC: 1 FSC: 0

===== PndPidCorrelator - Event: 964 - Number of tracks for pid 1 - Number of Clusters for pid: EMC: 1 FSC: 0

===== PndPidCorrelator - Event: 965 - Number of tracks for pid 1 - Number of Clusters for pid: EMC: 1 FSC: 0

===== PndPidCorrelator - Event: 966 - Number of tracks for pid 0 - Number of Clusters for pid: EMC: 0 FSC: 2

===== PndPidCorrelator - Event: 967 - Number of tracks for pid 1 - Number of Clusters for pid: EMC: 2 FSC: 0

....

that means, as far as I understand, there are mostly the only one track per event, that is confirmed by the picture from root.

From the picture Pdg.png (MCTrack.fPdgCode) it clear seen the presence of the fist positive muon in 90% and in 10% mu-, while a priory mu+ and mu- are absolutely indential in the file, having in account that there are also the other charged particles in at least >50% events.

I'm very confused in this situation. I would be very grateful if anybody could give a hint what I'm doing wrong.

Thanks in advance,  
Anna

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## File Attachments

1) [Pdg.png](#), downloaded 130 times

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