
Subject: STT tracking crash during check getMCInfo.
Posted by [donghee](#) on Thu, 21 Apr 2011 14:56:34 GMT
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Dear STT tracking experts,

I have trouble to produce $\text{PSI}(3770) \rightarrow D^+D^-$ with STT code.

The problem is related function in the code of PndSttMvdTracking.cxx

During the reconstruction of STT chain, MC informations are read in Quote: void
PndSttMvdTracking::getMCInfo

and tested the charge of decay particles in this function.

During this procedure, some first primary particle $\text{PSI}(3770)$, which decays already into D^+D^- , are unexpectedly passing through in this process.

The PDG value of $\text{psi}(3770)$ is 40443 and charge is zero.
Therefore testing with the function of getMCInfo fail for those particle due to no charge, simply infinity in the some calculation.

So, question is

Why $\text{psi}(3770)$, which is generated in EvtGen, is tested in this function? this is not usual feature.

I avoid this problem giving artificial charge with 1 or -1 in the code.

Please could you check and confirm this problem?

Thank you!