Subject: [FIXED] Possibly a bug in MC Truth Forwarding (?) - no bug after all [SOLVED]
Posted by MartinJGaluska on Mon, 18 Jun 2012 09:31:28 GMT
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Dear all,

I have just noticed a change in MCTrack of points(_...).root and was wondering if that might be a bug.

I am running macros from macro/pid in my simulation of X(3872) -> J/\psi \pi^+ \pi^- with the corrected VVpipi decay model on PandaRoot revision 15615 (Scientific Linux CERN SLC release 5.5 (Boron), 64 bit, fairroot: jan12).

When I run cbmsim->Show(0) on a points(_...).root file which was created using PandaRoot Revision: 15581 (or before, I am not 100% sure which one I used in March, but I can figure it out if it is of any relevance) and look at MCTrack.fPdgCode, I get (for example):
Quote:
MCTrack.fPdgCode = 30443, 443, 211, -211, -11, 11, 22, 22, 22, 22, 22, 22, 22, 22, 22, 22, 22, 22, 22, 22, 22

When I do the same on a points(_...).root file which was created with PandaRoot Revision: 15615 I get:
Quote:
MCTrack.fPdgCode = 211, -211, -11, 11, 22, 22, 22, 22, 22, 22, 22, 22, 22, 22, 22, 22, 22, 22, 22

i.e. the \psi(2S) (which I use as a template for X(3872) and the J/\psi are not listed any more. That is not a problem for me, but I was wondering whether this was an intentional or accidental change in the code.