
Subject: Re: Fast simulation - MCTrack block
Posted by [Lu Cao](#) on Tue, 01 Apr 2014 11:20:35 GMT
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Hi Elisabetta,

Perhaps I found the problem there, in your decay file you make the decay chain start from "pbarpSystem", but in the simfast.C "pbarpSystem0" is set as the initial particle. From the evt.pdl list,

```
*   type      name          id  mass/GeV  width/GeV  max_Dm/GeV  3*charge  2*spin
lifetime*c/mm Lund-KC
add p Special  pbarpSystem    88888  2.98      0.1  0    0    0    0  88888
add p Special  pbarpSystem0   88880  2.98      0.1  0    0    0    0  88880
```

they're two "different" particles although they look the same here except the pdgcode. Anyway, no matter which one you prefer to use, it's needed to make them consistent in decay file and sim macro.

Best,
Lu
