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Subject: MC true matching to reconstructed one  
Posted by [donghee](#) on Wed, 22 Jun 2011 15:51:26 GMT  
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Dear all,

If I check MC true matching for reconstructed tracks.  
Sometimes multiple countings are recorded even if asking only for primary tracks.  
How can I explain this?

Tracks have roughly same momentum and theta but sometimes really differ all of them if I print out and read those list.

How do we know what is the best track(reconstructed) to compare MC true track?

Some people can introduce comparing momentum with MC info, then take only event with close to MC values.  
But sometimes it is not quite easy if the reconstructed track has really bad resolution, because all candidates can have out of range from MC value.(far from the real value)

So, what is the best strategy for giving MC true association to only unique tracklist in one event?

and where comes from this?

Cheers,Donghee