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Subject: Re: GENFIT for transverse momenta < 200 GeV/c strange?!

Posted by [David Pohl](#) on Mon, 22 Nov 2010 17:00:09 GMT

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Hi Lia,

I tried to understand why my reconstruction efficiency is about 87,5% instead of your 99%.  
From a reconstruction with the params mentioned in my first post I have for:

1000 events:

- 48 with no Kalman track: I think this is due to the minimum hits required for a track
- 62 with failed Kalman filter: flag < 0
- 2 events omitted where I was not able to find the MC track from the reco track

How do you check if the reconstructed track is the primary MC track? So far as I know one cannot take the getMcTrackId() function of the track candidate class? Or does this work by now?

I loop over the Lhe Tracks. Then over the Lhe Hits, take one MVD reco hit and check if this hit belongs to the primary MC track.

Do you use the new MVD geometry?

greetings

David

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