Subject: Re: TrackCand dip treatment where Theta > 90°
Posted by Sebastian Neubert on Tue, 28 Apr 2009 12:24:30 GMT
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Hi Marius!

TrackCand is actually NOT supposed to carry the starting values of the fit. At least there is no guarantee that the values that are put there are meaningfull.

We still have to design a good interface to carry the fit starting values.

TrackCand acquired the field for dip angel, momentum and so on as a quick and dirty solution.

You are completely right though that there is a fundamental ambiguity in the definition of the dip angle, which arises from the (unknow) direction of motion of the particle. You cannot distinguish a particle that is going into forward direction towards the center of the system (a secondary) from a track that moves from the interaction point outwards but in backward direction.

This ambiguity is not solved at the moment.

Cheers! Sebastian.