Subject: Re: Updates in PndTrack - PndTrackCand
Posted by StefanoSpataro on Sun, 28 Nov 2010 13:08:57 GMT

Hi Sebastian,

Sebastian Neubert wrote on Sun, 28 November 2010 13:23There are still seed values for the momentum and position in the PndTrackCand ... right?

At present yes,
Christian has added them on 20/07/2009 regardless the original design, but I don't know for which reason.
They will be removed in a short time, because useless for our design.

Quote:
The PndTracks are filled with content in a common TrackFitting task... right?

Not exactly. PndTracks are filled by several track finding tasks which should also give prefit parameters (i.e. from helix assumption).

Quote:
Is there a an agreed Track Merging strategy, yet? In that case I suppose there should be a mechanism to join several PndTrackCands. As far as I can tell this is not there ... right?

There is a track merging strategy, but at present there is no code doing it for all the detectors because each track finding/fitting is giving different track/candidate objects, even if the object design was fixed three years ago. This is what we are trying to solve.

Quote:
Anyhow. My current picture is this: The pattern reco (for each subsystem) will spit out a PndTrackCand array plus an PndTrack array. The Tracks will be linked too the cands but they will not contain fitted parameters yet.

This I have not understood.
Your finding must give also the prefit values, and put these values in the PndTrack (if not you cannot extrapolate and merge to different detectors)

Hoping it helps a bit...