## Subject: Re: PndLhePidTrack
Posted by StefanoSpataro on Mon, 26 Apr 2010 16:09:25 GMT

Donghee Kang wrote on Mon, 26 April 2010 17:05Then the track finder try to build a track candidate with introducing track cuts, and a pattern recognition has been done in this stage. And finally fitter perform track fitting for this candidate.

In principle, one can modify track finder to find shifted interaction point, if I correctly understand.
You don't need to care about full stuffs from all detector.

That's mean that one can directly extend tracking to secondary vertex and shifted vertex at lhetracking in very simple view.


In theory what you say is correct: by applying some modifications, it is possible to use conformal mapping also for secondary verteces. One should improve the LheTrackFinding, and also the LheTrackFitting.
But, in order to do this, we should dig inside the code and try to find all the "guilty" points.
Feel free to check the code and to suggest some implementations that could help us on this side. Unfortunately, inside the "lhe developer group" (myself) there it not so much manpower to perform this kind of study and improvement.