Subject: Re: Changes in PndTpcRiemannTrackingTask
Posted by Johannes Rauch on Tue, 26 Jul 2011 11:45:45 GMT

Quote:With your fix in the RKTrackRep, is the charge set to a fixed value along all the Kalman procedure, i.e. the Kalman is not allowed to change the sign of q/p anymore, or does the fix just set the final charge back to the input one when the Kalman output has the wrong sign (after all the fitting procedure)?

The Kalman is fitting q/p, and the sign of q/p can change during the fitting process.
The problem was that a change in sign of q/p was not correctly passed to the RK propagator, which is now fixed.

That means: The absolute value of the charge is fixed, its sign can change.

I just looked into GeaneTrackRep and there everything seems to be fine.

cheers,

Johannes