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Subject: Re: Changes in PndTpcRiemannTrackingTask  
Posted by [Lia Lavezzi](#) on Tue, 26 Jul 2011 13:47:48 GMT  
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Hi Christian

Quote:However: Since we do repeated Kalman iterations this should never happen. A wrong charge hypothesis could be turned around in the first forward fit, but then it will stay. So with  $\geq 2$  iterations this should never happen.

Actually for the STT we saw that more than 1 iteration does not improve the results, for some momenta (lower ones) it even worsen the efficiency.

For this reason we would like to run the reconstruction with only one iteration. This is the best option for us.

Anyway, we will check how many times, with one iteration, we get that the Kalman sets the first and last hit charges to a different value and how many times it changes the charge sign to the wrong one. Maybe it does not happen so often to make us to worry about.

Ciao,  
Lia.

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