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Subject: Re: Charge in LheTrack and Kalman  
Posted by [Anonymous Poster](#) on Fri, 21 May 2010 16:08:37 GMT  
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Hi Lia,

in principle the charge can change in the fit.  $q/p$ , i.e. the signed curvature is a variable of the fit. It could be possible in some cases (very few hits close to each other, very high momenta, ....) that the sign of  $q/p$  can be wrongly reconstructed.  $q/p$  has a finite resolution. The track topology of these 3% of tracks must be special...

Cheers, Christian

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