Subject: Re: plane id in track candidate
Posted by Lia Lavezzi on Tue, 23 Feb 2010 10:51:15 GMT

Hi Christian,
Quote:If the pattern recognition determines that two hits in the same plane (e.g. MVD) belong to the same track, because a clear distinction is impossible, they are both input to the track fit. Then maybe the fit can determine which is the outlier or simply it has to use both. The question is how to handle that situation, i.e. how does the Kalman filter (or another algorithm) know that two hits are on the same plane.
if you want to know that two hits are on the same plane in Kalman isn' t it enough to use a check like the one in GeaneTrackRep::getPos or getMom functions
if(pl!=fRefPlane)extrapolate(pl,statePred) to determine whether the extrapolation is needed or not?

Ciao,
 Lia.