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Track fitting, resolution limits and detector optimisation

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I am going to compare different track fitting algorithms and investigate factors limiting resolution of different track parameters in different areas of phase space (low Pt - high Pt, central-forward). Currently I have only 2 track fitting algorithms available in org.lcsim - simple circle fitter and weight matrix based (SLD-like) algorithm. I hope that Kalman filter based algorithm may be available before Vancouver and I will be able to make comparison with it also.

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Session Classification: Detector/ Tracking