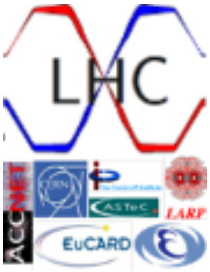

Contribution ID: **33** Type: **not specified**

Effect of non-zero dispersion

Wednesday 15 December 2010 10:50 (20 minutes)

Effect of non-zero dispersion for a local crab crossing scheme for the LHC is considered and its impact on stable working point in the presence of crab cavities is analysed. The maximum allowed dispersion (and slope of dispersion?) at the crab-cavity is estimated. Effects of higher order optical aberrations and RF curvature, and their impact on the IR region optics and working point are also considered.

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Session Classification: Optics & Beam Physics Aspects