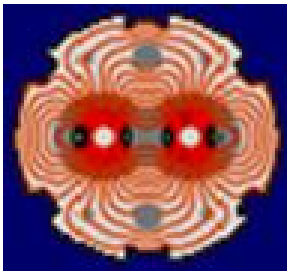

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Estimates of the LHC magnetic optics versus requirements

Thursday, 20 January 2005 10:35 (20 minutes)

The expected field quality of the main magnets of the LHC based on the measurements carried out over a significant fraction of the production is given.
Main dipoles, main quadrupoles and insertion quadrupoles are analysed.The more critical parameters and cases of field components out of targets are pointed out, and the implications on the beam optics are outlined.Corrective actions that could still be taken to improve the field quality at this advanced stage of production are discussed.

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