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The Large Hadron electron Collider Detector Design Concept

This year the CERN-ECFA-NuPECC Conceptual Design Report on the Large Hadron Electron Collider (LHeC) will be released. This contribution describes design concepts for a new detector, which combines the demands of very high precision with those of large acceptance into a novel device for electron-proton physics at TeV energies. The physics and technical requirements, choices of detector techniques and the integration of the detector with the 3 beam interaction region including its magnet designs are presented.

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