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## Overview of the LHeC Project

*Monday 7 September 2015 10:40 (25 minutes)*

The LHeC project aims to supplement the LHC with a new electron accelerator in order to facilitate electron-proton and electron-ion collisions at unprecedented luminosities and centre-of-mass energies. This talk will include an update on the accelerator and detector aspects of the project. It will also survey the main physics topics of interest, including Higgs boson production and parton density constraints as well as a wide range of issues in low  $x$  physics.

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