

Digging Deeper: 21st Century Deep Inelastic Scattering based on the LHC

Tuesday 10 September 2013 14:30 (30 minutes)

A Deep Inelastic Scattering facility based on a new electron beam in collisions with protons and heavy ions from the Large Hadron collider could teach us much more about the structure of nuclear matter at the smallest resolvable scales, as well as adding to our understanding of the Higgs boson and the Quark Gluon Plasma and contributing to searches for physics beyond the Standard Model. This talk will summarise the Large Hadron electron Collider (LHeC) project, which aims to realise this.

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Session Classification: Session 7

Track Classification: Future Facilities