

Overview on the LHeC and FCC-he: physics and accelerator

Tuesday 3 May 2022 09:40 (20 minutes)

In this talk the current status and plans are presented on the LHeC, towards the new HEP strategy update in about 5 years time, on physics, with emphasis on the $eh - hh$ relation, on the machine, especially the IR, and further detector developments. The talk also covers FCC-he and refers to a separate presentation of the ERL facility PERLE. It is based on the comprehensive Conceptual Design Report update [1].

[1] P. Agostini et al. (LHeC Study Group), The Large Hadron-Electron Collider at the HL-LHC, J. Phys. G 48 (2021) 11, 110501, e-Print: 2007.14491 [hep-ex].

Submitted on behalf of a Collaboration?

Yes

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