

Contribution submission to the conference Karlsruhe 2011

Measurement of the inclusive electron cross section in the ATLAS experiment — ●MICHAEL FLOWERDEW and HUBERT KROHA — Max-Planck-Institut für Physik, München, Deutschland

The measurement of the inclusive electron spectrum in a hadron collider is sensitive to the rate of production of heavy flavour quarks. The rate of prompt electron production has been measured using proton-proton collisions in the ATLAS detector at a centre of mass energy $\sqrt{s} = 7$ TeV. The measurement uses 1.0 pb^{-1} of data, and spans the range $7 < p_T^e < 26$ GeV. In this talk, these results are presented and compared to current NLO and FONLL theoretical predictions.

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