

Beauty photoproduction through decays to muons and jets (H1)

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The photoproduction of beauty quarks in ep collisions has been measured using a data sample of 170 pb⁻¹ collected with the H1 detector at HERA-II in the years 2006 and 2007. Beauty photoproduction events are investigated with two jets and a muon in the final state. Visible cross sections are measured differentially in the transverse momenta of the highest energy jet and the muon, in the pseudorapidity of the muon and in the photon's momentum fraction x_{γ}^{obs} entering the hard interaction. The measurements are found to be well described by QCD calculations at NLO.

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