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Measurement of charm and beauty photoproduction from inclusive secondary vertexing at HERA-II

Content :

Photoproduction of beauty and charm quarks in events with two jets has been measured with the ZEUS detector at HERA using an integrated luminosity of 130 pb⁻¹. The beauty and charm content was extracted using the decay-length significance of the b and c hadrons and the invariant mass of the decay vertices. Differential cross sections as functions of p_T(Jet) and eta(Jet) are compared with the Pythia leading order plus parton shower (LO+PS) Monte Carlo and QCD predictions calculated at next-to-leading order.

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Comments :

These results are presented on behalf of the ZEUS Collaboration