

Measurement of beauty photoproduction from inclusive secondary vertexing at HERAII

Tuesday 18 August 2009 14:00 (1 minute)

Please give a brief summary of your poster

Photoproduction of beauty quarks in events with two jets has been measured with the ZEUS detector at HERA using an integrated luminosity of 128 pb⁻¹. The beauty content has been extracted using the decay length significance of the B hadrons and the invariant mass of the decay vertices. Differential cross sections in p_T^{jet} and η^{jet} are compared to leading order plus parton shower and next-to-leading order QCD predictions. Furthermore, the differential cross section as a function of η^{jet} is compared to a previously published HERA I result.

Primary authors: ZEUS COLLABORATION, Monica Turcato (Hamburg University); SCHOENBERG, Verena (Bonn University)

Presenter: SCHOENBERG, Verena (Bonn University)

Session Classification: Poster Session

Track Classification: Poster Session