

Beauty photoproduction at ZEUS

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Photoproduction of b quarks in dijet events has been measured with the ZEUS detector at HERA. The large mass of the beauty quark and its long lifetime were exploited in order to separate the beauty signal from background, making use of the microvertex detector to determine the distance of the beauty decay products from the primary event vertex. Differential cross sections were measured and compared to next-to-leading order QCD predictions.

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