

DIS 2015 - XXIII. International Workshop on Deep-Inelastic Scattering and
Related Subjects

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Diffraction production of isolated photons at HERA

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Using data from HERA, the ZEUS collaboration present measurements of the diffractive production of isolated ("prompt") photons in photoproduction, with and without a jet. First cross sections are evaluated for centrally produced photons with jets as a function of the photon and jet transverse energy and pseudorapidity, and also for the fraction of incoming photon energy imparted to the photon-jet system. Comparison is made to predictions from RAPGAP.

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