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## Direct Photons at HERA

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The production of prompt photons is measured in the photoproduction regime of electron-proton scattering at HERA. Cross sections are measured for photons with transverse momentum and pseudorapidity in the range  $6 < E_t < 15$  GeV and  $-1.0 < \eta < 2.4$ , respectively. The results are compared with QCD predictions based on the collinear and on the  $k_T$  factorisation approaches. The first measurement of diffractive scattering of quasi-real photons with large momentum transfer  $\gamma p \rightarrow \gamma Y$ , where  $Y$  is the proton dissociative system, is made using the H1 detector at HERA. The measurement is performed for initial photon virtualities  $Q^2 < 0.01$  GeV<sup>2</sup>. The  $W$  dependence is well described by a model based on perturbative QCD using a leading logarithmic approximation of the BFKL evolution. New measurements of elastic deeply virtual Compton scattering  $\gamma^* p \rightarrow \gamma p$  using  $e^+ p$  and  $e^- p$  collision data recorded with the H1 and ZEUS detectors at HERA (full stat) are also presented.

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