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Hard diffraction and factorisation breaking

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Recent results are presented on diffractive dissociation in deep inelastic scattering and photoproduction from HERA. Reviews of measurements of final states containing jets, D^* meson and photons are used to address the issue of validity of hard QCD factorization commonly used to predict cross section and differential shapes by means of using diffractive parton densities obtained from previous QCD fits of inclusive diffractive data. A measurement is also presented of exclusive diffractive dijet production confronted with predictions based on hard factorization and two gluon exchange model examined in the lepton-dijet production planes' angular distribution.

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