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Measurement of Exclusive Dijet Production in Diffractive DIS with the ZEUS Detector at HERA

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The exclusive production of dijets in diffractive deep inelastic lepton-proton scattering has been measured with the ZEUS detector at HERA with an integrated luminosity of 372 inverse picobarn. Jets have been reconstructed in the photon-Pomeron rest frame using the exclusive kt algorithm. The shape of the differential cross-section as a function of the angle between the plane spanned by the incoming and scattered lepton momenta and the plane spanned by the virtual photon and jets momenta is presented. The shape is determined by jet production mechanism and provides information about Pomeron structure.

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