Abstract ID : 750

Dijet cross sections in neutral current deep inelastic scattering at HERA

Content :
Single- and double-differential inclusive dijet cross sections in neutral current deep inelastic ep scattering have been measured with the ZEUS detector at HERA using a data sample corresponding to an integrated luminosity of 374 pb-1. The measurement was performed at values of the photon virtuality, Q2, between 125 and 20000 GeV2; the jets were reconstructed with the kT cluster algorithm in the Breit reference frame and selected by requiring their transverse energies in the Breit frame to be larger than 8 GeV. In addition, the invariant mass of the dijet system was required to exceed 20 GeV. The cross sections are well described by perturbative QCD predictions at next-to-leading order in collinear factorisation.

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Track classification : 03 - Perturbative QCD, Jets and Diffractive Physics ; 04 - Hadronic Structure, Parton Distributions, soft QCD, Spectroscopy

Contribution type : Parallel Session Talk

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Submitted on Friday 14 May 2010

Last modified on : Friday 14 May 2010

Comments :

These results will be presented on behalf of the ZEUS Collaboration