

Low X workshop



Contribution ID : 26

Diffraction dijet photoproduction in ep collisions with a leading proton at HERA.

Sunday 02 Jun 2013 at 08:25 (00h20')

Content :

The cross section of diffractive photoproduction processes $e+p \rightarrow eXp$ is measured, where the system X contains at least 2 jets and the proton is tagged in the Very Forward Proton Spectrometer (VFPS) of the H1 detector. The measurement is performed for untagged photoproduction with $Q^2 < 2 \text{ GeV}^2$ in photon virtuality. The results are compared to next-to-leading order QCD calculations based on diffractive parton distribution functions extracted from measurements of inclusive cross sections in diffractive deep-inelastic scattering.

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Session classification : Morning Session - V

Track classification : --not yet classified--

Type : --not specified--