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Recent results from low-x and forward physics at HERA

Tuesday, 11 September 2012 11:00 (20 minutes)

Summary

The production of forward jets in inclusive as well as diffractive deep-inelastic scattering at HERA is studied with the H1 detector.

Inclusive deep-inelastic events at low photon virtuality Q^2 with a forward jet, produced at small angles with respect to the proton beam, are measured with the H1 detector at HERA. A subsample of events with an additional jet in the central region is also studied. For both samples differential cross sections and normalised distributions are measured as a function of the azimuthal angle difference, Delta phi, between the forward jet and the scattered positron. The sensitivity to QCD evolution mechanisms is tested by comparing the data to ...

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