May 25th 1996
Abstract pa04-069 submitted to the 28th International Conference on High Energy Physics ICHEP'96, Warsaw, Poland, July 1996

Multi-jet Cross Sections in Deep-Inelastic Scattering at HERA

H1 Collaboration

Abstract

Differential two jet cross sections have been measured in deep-inelastic scattering covering the kinematic domain 10 GeV$^2 \lesssim Q^2 \lesssim 100$ GeV^2 and $10^{-4} \lesssim x_{Bj} \lesssim 10^{-2}$. The analysis is based on data collected in 1994 with the H1 detector at HERA, corresponding to an integrated luminosity of about 2 pb^{-1}. The results have been corrected for detector effects. Jets are defined using a cone type algorithm in the photon-proton center of mass system requiring jet transverse momenta of 5 GeV. Jet rates are shown as a function of Q^2 and x_{Bj}.

Plenary Sessions:
4. QCD and Low x Physics - H. Abramowicz, R. Brock
5. α_S Determination and Implications - M. Schmelling, G. Sterman
Parallel Session: I Strong Interaction Physics
3. Structure Functions and Low x Physics
4. Hard Processes and Perturbative QCD