May 25th 1996
Abstract pa02-080 submitted to the 28th International Conference on High Energy Physics ICHEP'96, Warsaw, Poland, July 1996

Differential Cross Sections for the Photoproduction of Two High p_T Jets at HERA

H1 Collaboration

Abstract

The differential cross section for the photoproduction of two jets has been measured using data taken at the HERA ep storage rings in 1994. The results are presented as a function of jet transverse momentum p_T and of x_γ, which specifies the momentum fraction of the interacting parton in the photon. The dependence of the cross section on p_T is observed to steepen with decreasing x_γ, consistent with the expectation that the virtuality in the underlying hard processes in direct and resolved photon interactions are associated with quark and gluon exchange respectively.

Plenary Sessions:
2. Soft Interactions and Diffraction Phenomena - S. Levonian
4. QCD and Low x Physics - H. Abramowicz, R. Brock
Parallel Session: I Strong Interaction Physics
2. Soft Interactions
3. Structure Functions and Low x Physics
4. Hard Processes and Perturbative QCD