Abstract 251
Parallel sessions: 2,3,4
Plenary sessions: 1,2,4

Evolution of ep Fragmentation and Multiplicity Distributions in the Breit Frame

H1 Collaboration

Low–x deep–inelastic ep scattering data, taken in 1994 at the H1 detector at HERA, are analysed in the Breit frame of reference. The evolution of the peak and width of the fragmentation function is presented as a function of the magnitude of the four-momentum transfer of the exchanged photon and compared with e^+e^- results at equivalent centre of mass energies. Differences between the average charged multiplicity and the multiplicity of e^+e^- annihilations at low energies are analysed. H1 invariant energy spectra are compared with MLLA predictions. Distributions of multiplicity are presented as functions of Bjorken-x and Q^2, and KNO scaling is discussed.