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Erratum to Evolution of *ep* Fragmentation and Multiplicity Distributions in the Breit Frame

H1 Collaboration

Abstract

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 current hemisphere fragmentation function is presented as a function of Q 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. 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.

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The editors would like to take this opportunity to notify the reader of a correction to the data presented in figure 2 which was due to an administrative error in applying the correction factors. The new figure is provided below:

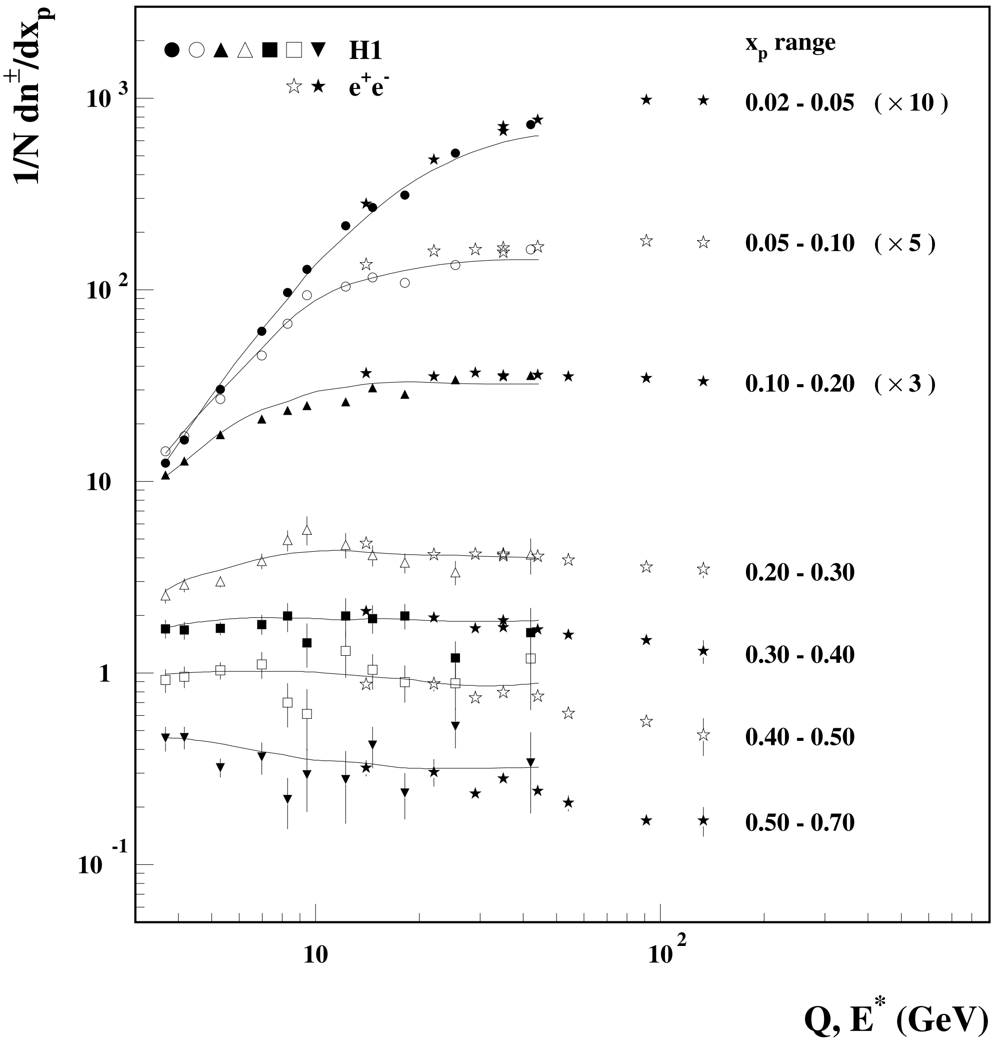

Figure 2: *Scaling violations of the fragmentation function as a function of E^* for e^+e^- results (starred symbols), and as a function of Q for H1 results (all other symbols) each within the same indicated intervals of the scaled momentum, x_p. Note that the data for the three lowest intervals of x_p are multiplied by factors of 10, 5 and 3 respectively for clarity. Statistical and systematic errors are added in quadrature. The solid lines show the prediction of a DJANGO Monte Carlo calculation.*