Abstract 280
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The Evolution of Inclusive Charged Particle Spectra with Q^2 in ep Interactions at HERA

H1 Collaboration

Using positron-proton collision data taken with the H1 detector at HERA, measurements of the pseudorapidity and transverse momentum spectra of inclusively produced charged tracks in the photon–proton centre-of-mass frame are presented for different photon virtualities Q^2. The Q^2 range extends from $Q^2 \sim 0\,\mathrm{GeV}^2$ to $Q^2 = 1000\,\mathrm{GeV}^2$. The pseudorapidity range extends from the photon fragmentation region to the central region between the photon and proton fragmentation regions. The results are compared with QCD based models, lower energy deep–inelastic scattering data, and measurements made in hadron–hadron collisions.