A study of inclusive identified charged particle production in deep-inelastic scattering at HERA.

H1 Collaboration
DESY, Hamburg, Germany

The production of $K^{\pm}$ and $\pi^{\pm}$ mesons is studied in deep-inelastic positron-proton scattering data taken with the H1 detector at the ep collider HERA. Measurements of the transverse momentum, pseudorapidity and Feynman-x differential spectra are presented in the hadronic centre of mass system and compared with results from lower energy DIS experiments and QCD based Monte Carlo models. The dependence of strangeness suppression on the total hadronic mass, W, is studied.