

New Results from HERA

*Dr. rer. nat. Katja Krüger
Kirchhoff-Institut für Physik, Heidelberg*

HERA was the world's only electron-proton collider. Even though it stopped operation in 2007, the final data analysis is still ongoing. In order to fully exploit the potential of the unique dataset, the H1 and Zeus experiments started to combine their measurements. Besides the inclusive electron-proton scattering cross sections, which provide essential insight into the structure of the proton, studies of the hadronic final state allow tests of perturbative QCD calculations. This talk will focus on new results on the production of jets and heavy quarks at HERA. Their impact on the knowledge of the strong coupling and other QCD parameters as well as on the parton densities of the proton will be discussed.