Abstract 245
Parallel sessions: 2,3,4
Plenary sessions: 1,3

Differential Jet Rates and determination of α_s in Deep–Inelastic ep scattering

H1 Collaboration

A measurement is presented of the differential 2+1 jet rate in deep–inelastic scattering at HERA in a kinematic range of $Q^2 > 200$ GeV^2. The jets are found with the JADE jet algorithm using its E, E_0 and P scheme variants. The measured jet distributions are compared to QCD model expectations. The differential 2+1 jet rate is unfolded for hadronization and detector effects and is compared to next–to–leading order QCD calculations. A value of the strong coupling constant $\alpha_S(M_Z)$ is extracted.