Abstract Registration Number 574
Parallel sessions: 7,5
Plenary sessions: 9,7

Photoproduction of Υ Mesons at HERA

H1 Collaboration, DESY

Photoproduction of Υ mesons in the kinematic region of the photon-proton centre-of-mass energy $70 < W_{\gamma p} < 270$ GeV is observed using data collected in the years 1994 to 1997 with the H1 detector at the ep collider HERA.
The Υ mesons are reconstructed via their leptonic decays into two muons or electrons. The cross section for the reaction $\gamma p \to \Upsilon p$ is determined and compared to QCD calculations.