Abstract #012345
Parallel sessions: 2,3,4,5
Plenary sessions: 1,2,3,6

Elastic Electro-production of J/ψ Mesons at High Q^2 at HERA

H1 Collaboration

The elastic electroproduction of J/ψ mesons in the kinematic region $Q^2 > 4$ GeV^2 has been studied with the H1 detector, where the J/ψ is identified via its decay to a lepton pair. Differential cross-sections in the kinematic variables Q^2, the negative squared mass of the exchange boson, W, the centre-of-mass energy of the virtual boson proton collision, and t, the square of the momentum transfer from the proton, have been measured, as well as the angular distribution of the decay leptons.