Abstract 248
Parallel sessions: 2,3,4
Plenary sessions: 1,3,4

Di–jet Production at low Q^2 and Virtual Photon Structure

Using inclusive ep interaction data containing high E_T jets collected by H1 at HERA in 1996, the di–jet cross section $\mathrm{d}\sigma_{\gamma^* p}/\mathrm{d}\bar{\eta}^*$, where $\bar{\eta}^*$ is the average pseudorapidity of the jets, has been measured as a function of Q^2 and x_γ for the range $1 < Q^2 < 100\,\mathrm{GeV}^2$. x_γ is the fraction of the photon's momentum participating in the hard subprocess and $-Q^2$ is the photon's virtuality. The x_γ dependence of the di–jet cross section is observed to evolve with Q^2. The interpretation of the results in terms of the structure of the virtual photon is presented and comparisons are made with various QCD models incorporating virtual photon structure.