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Measurement of Event Shape Variables in Deep Inelastic
***ep* Scattering at HERA**
H1 Collaboration, DESY

Data taken with the H1 detector at HERA are used to study the variation with Q of the mean values of various infra-red safe event shape variables, measured in the current hemisphere of the Breit frame of reference in the range $7 < Q < 100\,\mathrm{GeV}$. This variation is compared with the expectations of QCD calculations, assuming that hadronisation effects may be described by "power corrections". The data are used to study the form of the power corrections with a view to extracting the value of the strong coupling constant, α_s, and of the free parameter determining the strength of the power corrections, the universality of which is also examined. The extent to which the power correction approach may be applied to the description of the distributions of the event shape variables is studied.