

Figure 1: The structure function F_2 as a function of x for various Q^2 values, exhibiting Bjorken scaling, taken from [Ellis/Stirling/Webber]

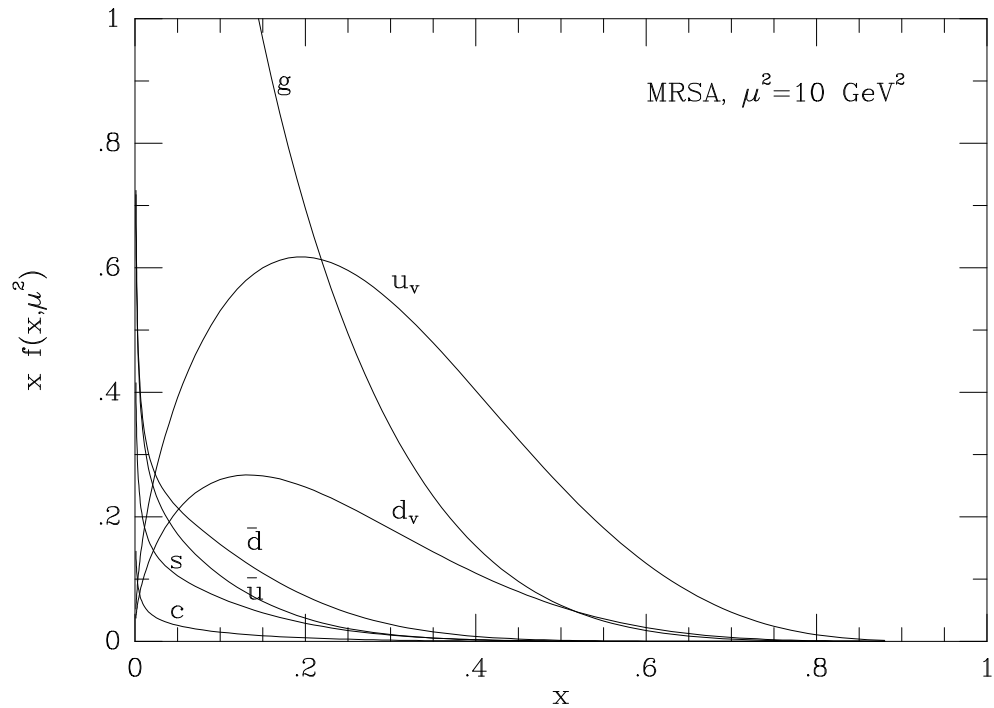


Figure 2: Parton distribution function set A from the Martin-Roberts-Stirling group, taken from [Ellis/Stirling/Webber]. Note that this uses the common notation of defining valence quark distributions, $f_{u_v} \equiv f_u - f_{\bar{u}}$, $f_{d_v} \equiv f_d - f_{\bar{d}}$.

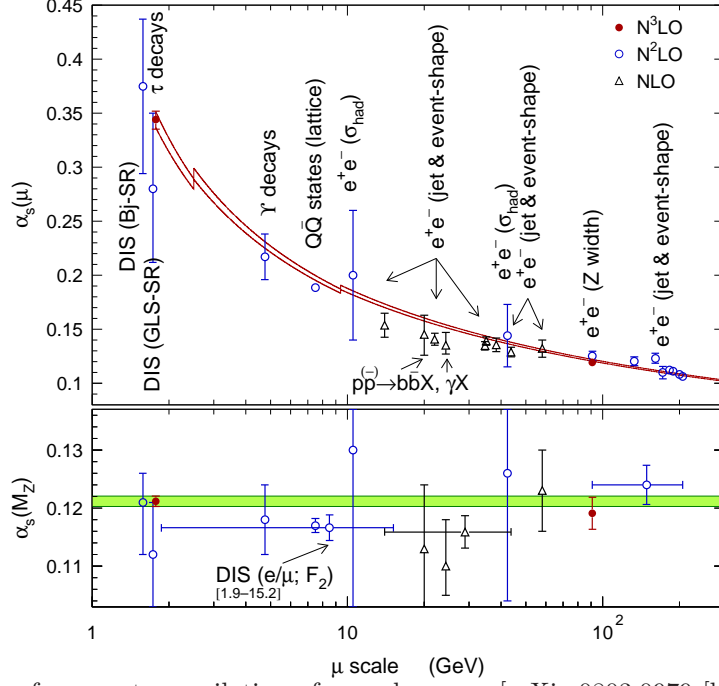


Figure 3: Results of a recent compilation of α_s values, see [arXiv:0803.0979 [hep-ph], arXiv:hep-ex/0606035]. The scale dependence shows excellent agreement with the predictions of perturbative QCD over a wide energy range. When translated into measurements of $\alpha_s(M_Z)$, the separate measurements cluster strongly around the average value, $\alpha_s(M_Z) = 0.1204 \pm 0.0009$

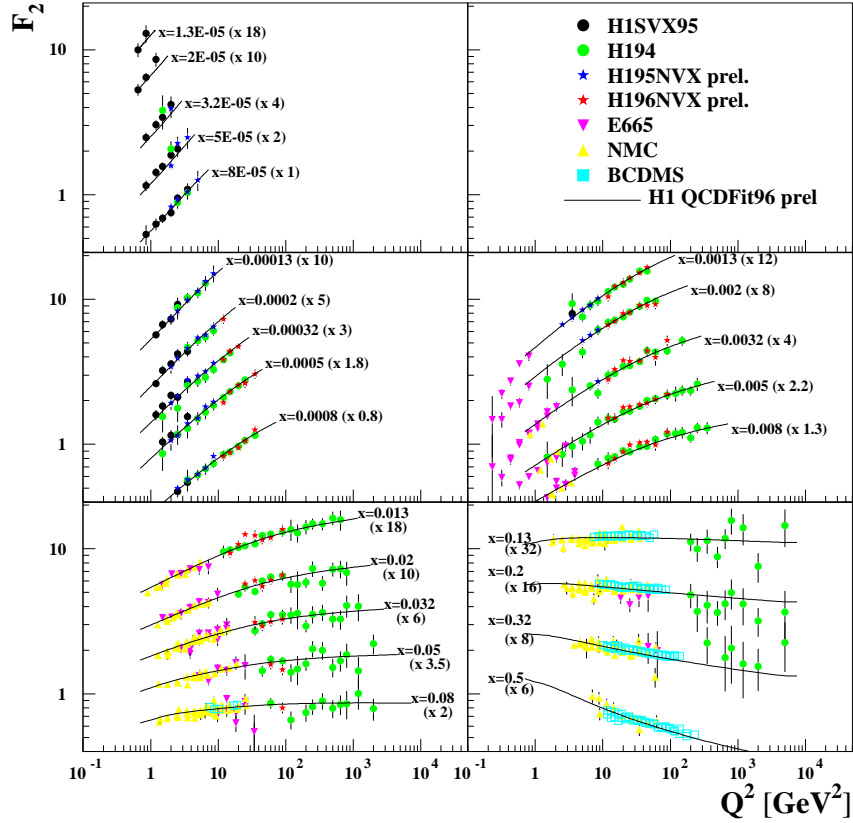


Figure 4: Fit to the F_2 data over a wide range of Q^2 values, exhibiting violation of Bjorken scaling