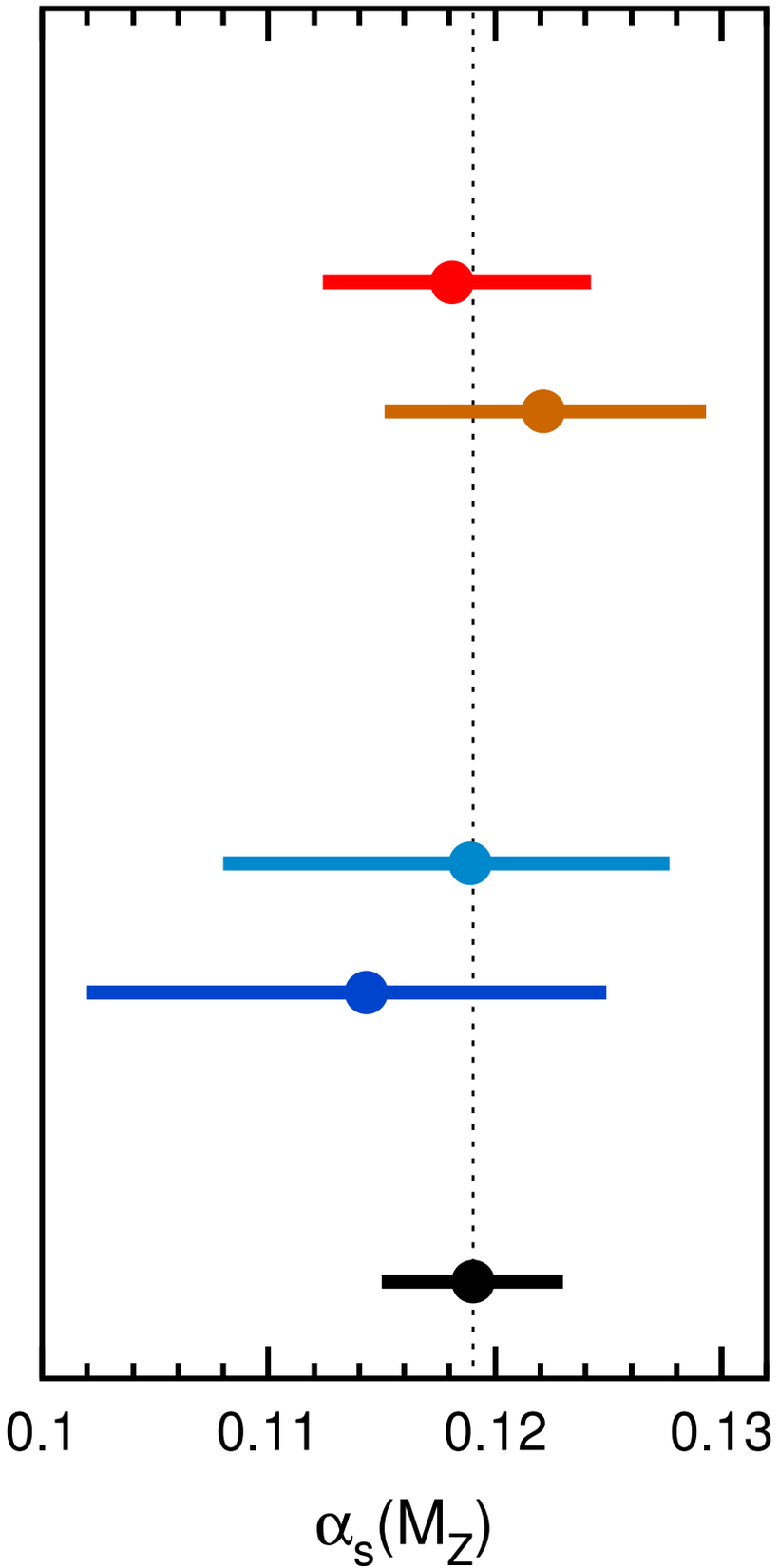
H1 preliminary

α_s determination from DIS jet production



Inclusive Jet Cross Section

inclusive $k_\perp$ algorithm in Breit frame

$\mu_r = E_T$

$\mu_r = Q$

$$\frac{d^2\sigma_{jet}}{dE_{T,Breit}\, dQ^2}$$

Dijet Rate

$\mu_r = Q$

$$\frac{1}{N_{DIS}} \frac{dn_{dijet}}{dy_2}$$

$k_\perp$ algorithm for DIS in Breit frame

modified Durham algorithm
in HERA laboratory frame

World Average

(S. Bethke hep-ex/9812026)