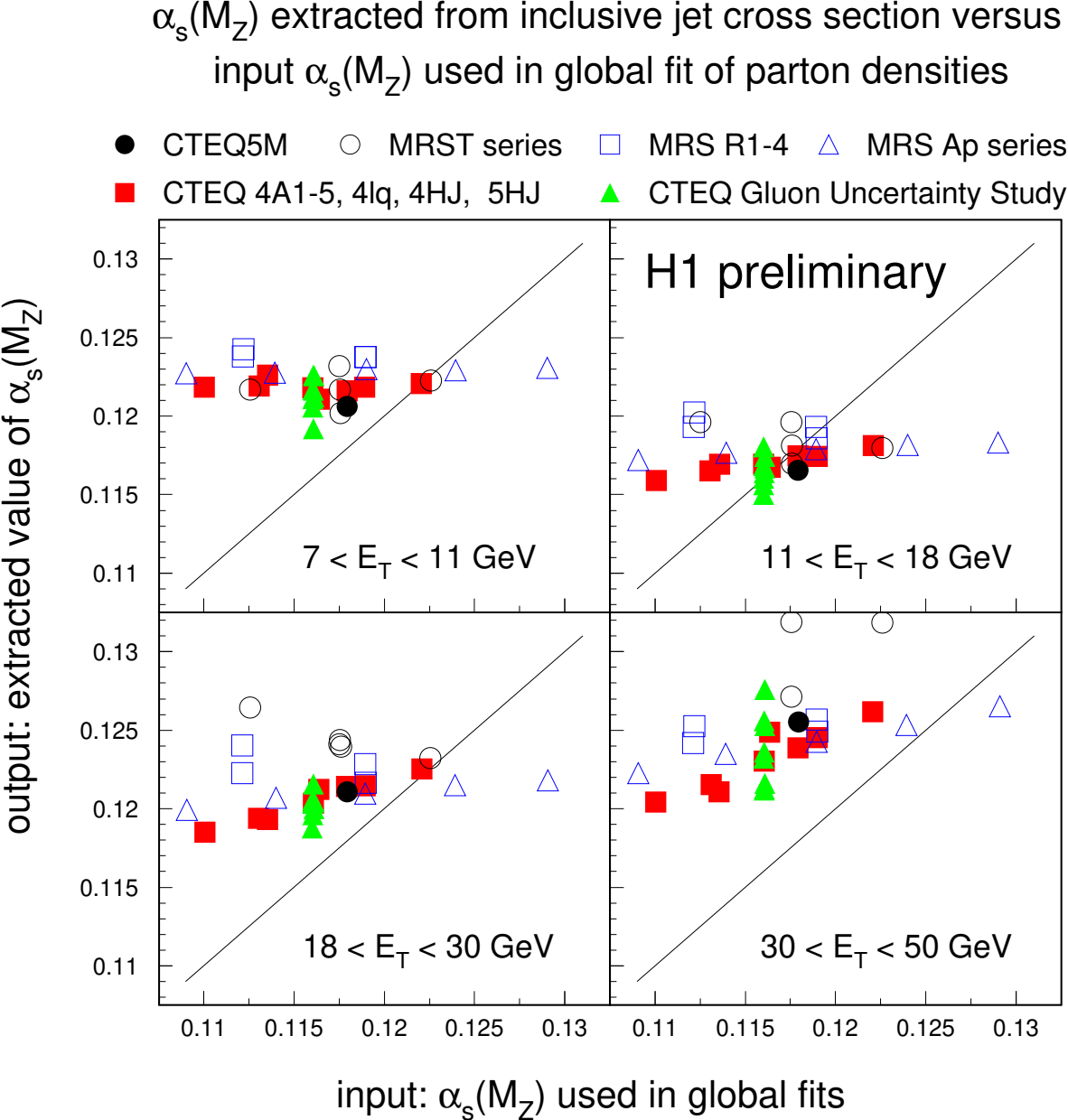
$\alpha_s(M_Z)$ extracted from inclusive jet cross section versus input $\alpha_s(M_Z)$ used in global fit of parton densities
CTEQ5M
MRST series
MRS R1-4
MRS Ap series
CTEQ 4A1-5, 4lq, 4HJ, 5HJ
CTEQ Gluon Uncertainty Study
H1 preliminary
$7 < E_T < 11$ GeV
$11 < E_T < 18$ GeV
$18 < E_T < 30$ GeV
$30 < E_T < 50$ GeV
output: extracted value of $\alpha_s(M_Z)$
input: $\alpha_s(M_Z)$ used in global fits
0.11
0.115
0.12
0.125
0.13