# H1 preliminary

| coupling | $\eta/4\,\pi$ [TeV$^{-2}$] | $\Lambda^+$ [TeV] | $\Lambda^-$ [TeV] |
|---|---|---|---|
| $LL$ | $-0.356\ ^{+0.217+0.006}_{-0.145-0.005}$ | 2.3 | 1.2 |
| $LR$ | $-0.287\ ^{+0.069+0.009}_{-0.054-0.000}$ | 3.0 | 1.5 |
| $RL$ | $-0.264\ ^{+0.071+0.004}_{-0.055-0.000}$ | 3.0 | 1.5 |
| $RR$ | $-0.376\ ^{+0.205+0.010}_{-0.140-0.006}$ | 2.3 | 1.2 |
| $VV = LL + LR + RL + RR$ | $-0.041\ ^{+0.036+0.018}_{-0.053-0.004}$ | 5.0 | 1.9 |
| $AA = LL - LR - RL + RR$ | $0.161\ ^{+0.040+0.002}_{-0.061-0.003}$ | 2.0 | 3.4 |
| $VA = LL - LR + RL - RR$ | $-0.043\ ^{+0.143+0.011}_{-0.058-0.013}$ | 2.6 | 2.6 |
| $LL + RR$ | $-0.331\ ^{+0.150+0.004}_{-0.096-0.013}$ | 3.1 | 1.3 |
| $LR + RL$ | $-0.224\ ^{+0.051+0.009}_{-0.036-0.000}$ | 4.1 | 1.8 |

Table 1: Fit results for various chiral structures of the parameter $\eta/4\,\pi$ using the CTEQ4D parton distributions with the 68% cl intervals (first error) and the variations with respect to the MRST and GRV parton parametrisations (second error). In the case CTEQ4D provides best (worst) limit, the corresponding positive (negative) error is quoted as zero. For the 95% cl lower limits on compositeness scale parameters $\Lambda^{\pm}$, the most conservative values are taken with respect to the different parton parametrisations.