

| Data sets                      |                               | HERA-only                      | HERA+CMS                       |
|--------------------------------|-------------------------------|--------------------------------|--------------------------------|
|                                |                               | Partial $\chi^2/N_{\text{dp}}$ | Partial $\chi^2/N_{\text{dp}}$ |
| HERA I+II neutral current      | $e^+p, E_p = 920 \text{ GeV}$ | 378/332                        | 375/332                        |
| HERA I+II neutral current      | $e^+p, E_p = 820 \text{ GeV}$ | 60/63                          | 60/63                          |
| HERA I+II neutral current      | $e^+p, E_p = 575 \text{ GeV}$ | 201/234                        | 201/234                        |
| HERA I+II neutral current      | $e^+p, E_p = 460 \text{ GeV}$ | 208/187                        | 209/187                        |
| HERA I+II neutral current      | $e^-p, E_p = 920 \text{ GeV}$ | 223/159                        | 227/159                        |
| HERA I+II charged current      | $e^+p, E_p = 920 \text{ GeV}$ | 46/39                          | 46/39                          |
| HERA I+II charged current      | $e^-p, E_p = 920 \text{ GeV}$ | 55/42                          | 56/42                          |
| CMS inclusive jets 13 TeV      | $0.0 <  y  < 0.5$             | —                              | 13/22                          |
|                                | $0.5 <  y  < 1.0$             | —                              | 31/21                          |
|                                | $1.0 <  y  < 1.5$             | —                              | 18/19                          |
|                                | $1.5 <  y  < 2.0$             | —                              | 14/16                          |
| Correlated $\chi^2$            |                               | 66                             | 83                             |
| Global $\chi^2/N_{\text{dof}}$ |                               | 1231/1043                      | 1321/1118                      |