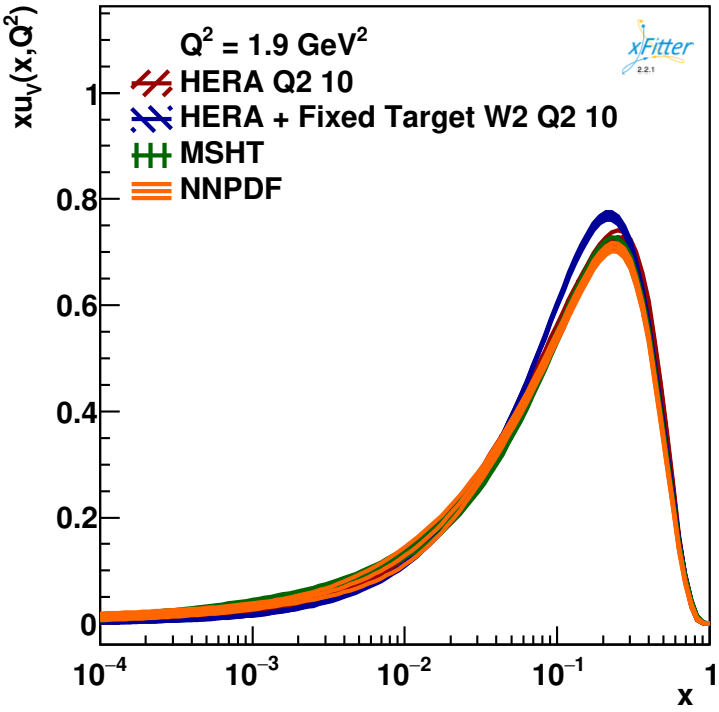
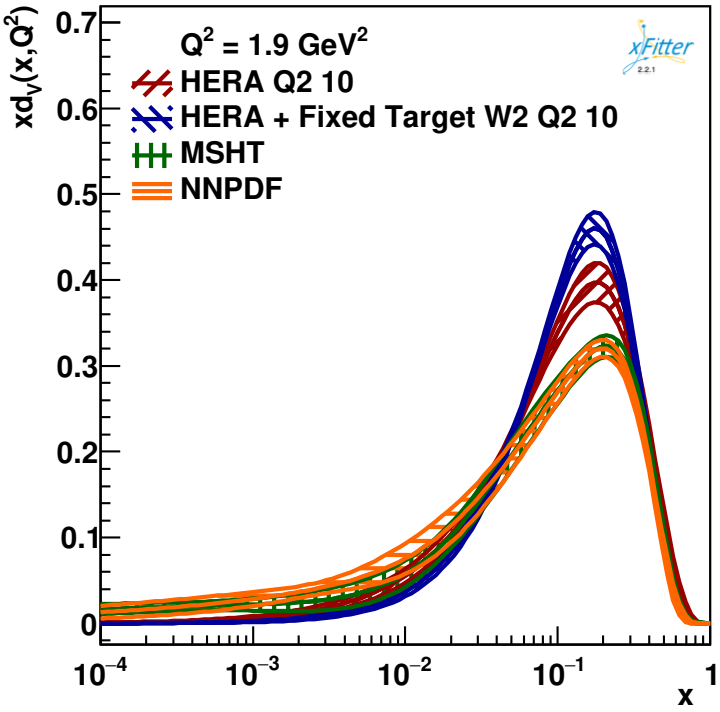
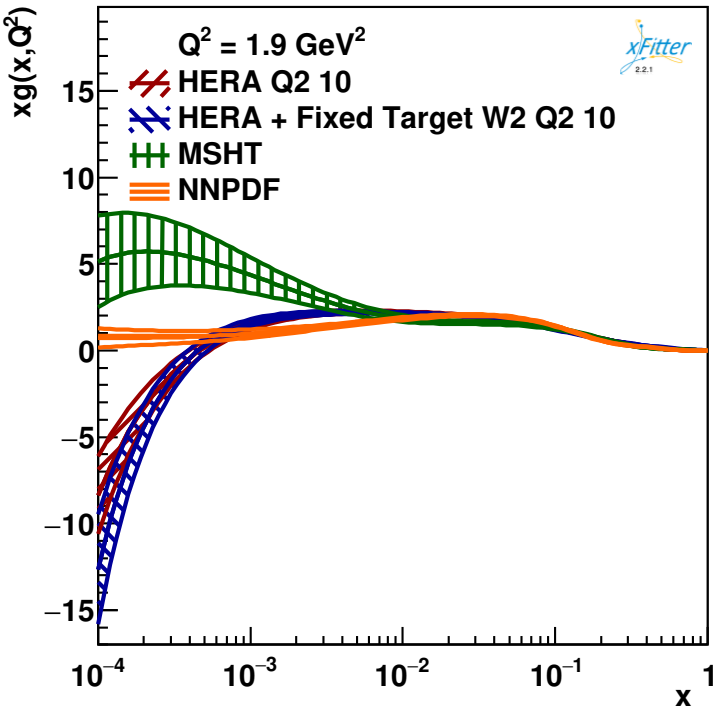
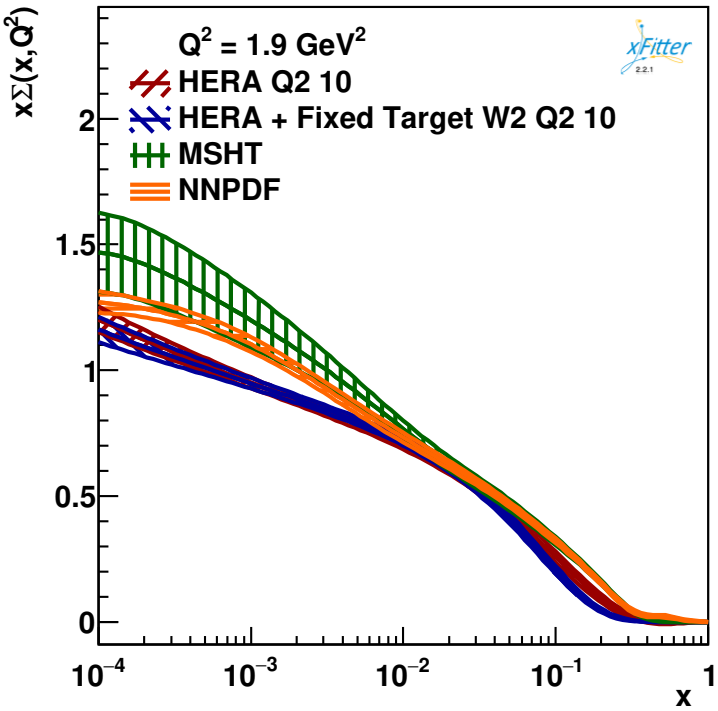
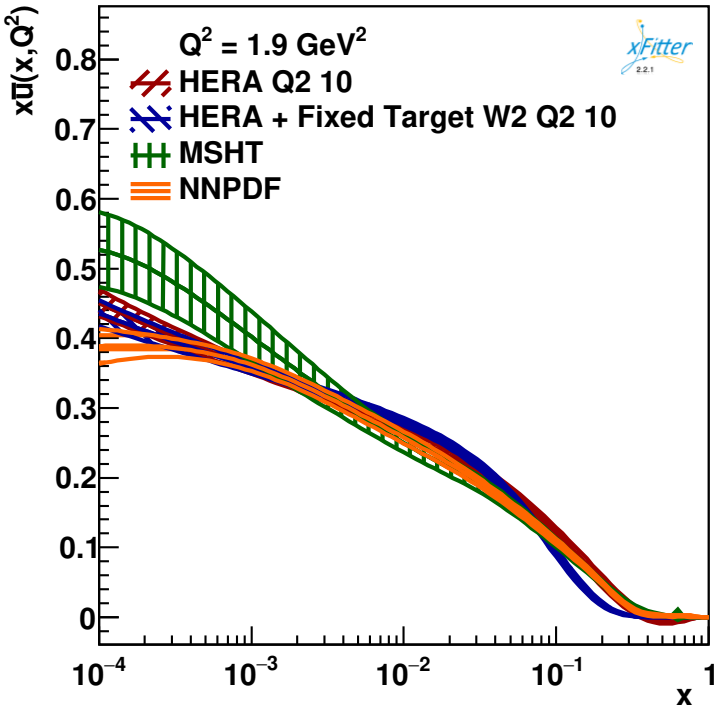
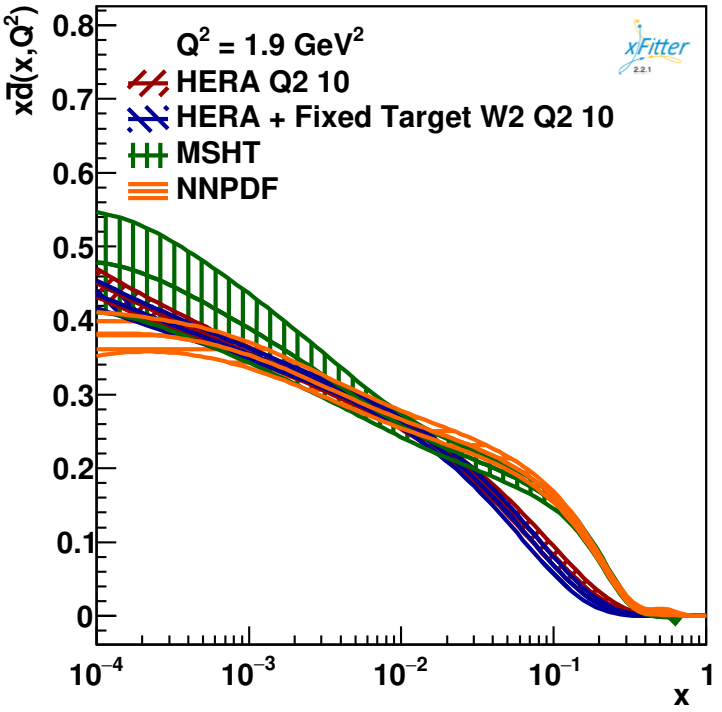

Q^2 = 1.9 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$xu_V(x,Q^2)$
x

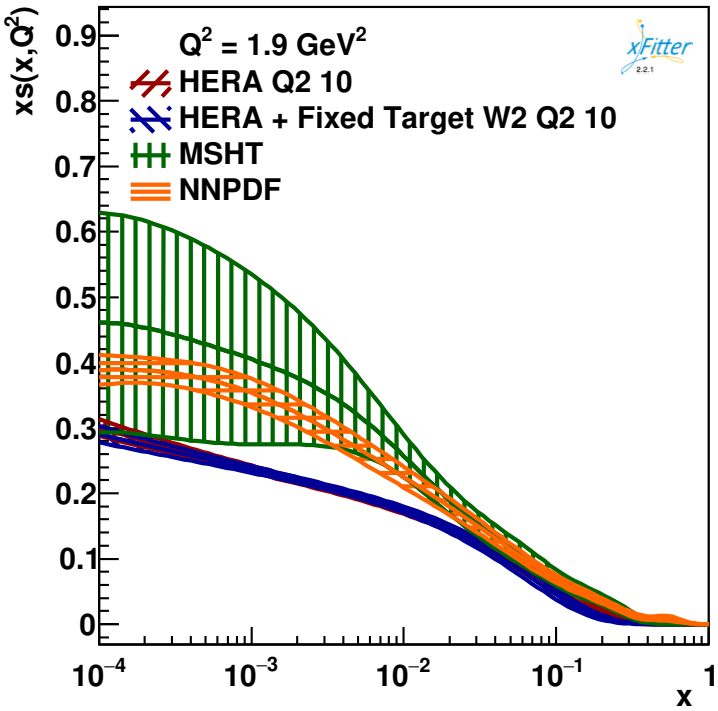

Q^2 = 1.9 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$xd_V(x,Q^2)$
x

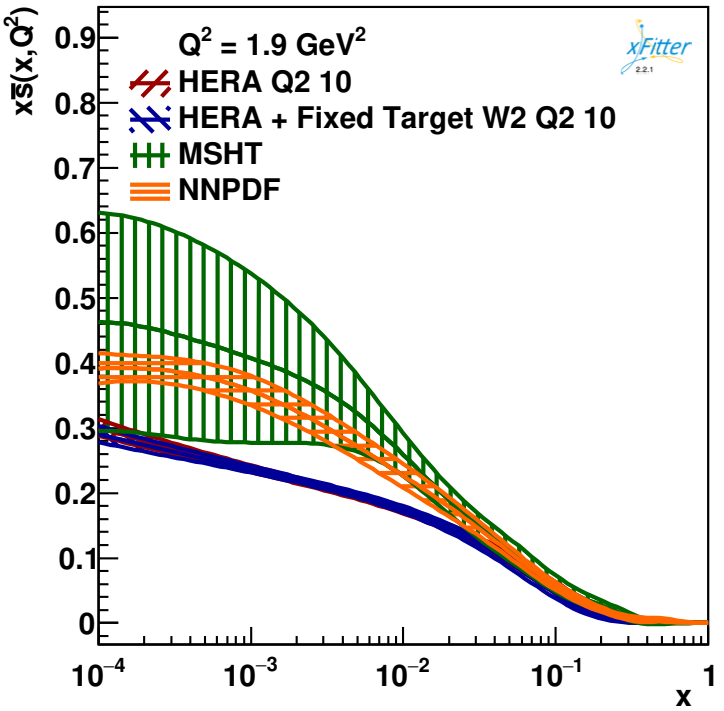

Q^2 = 1.9 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$xg(x,Q^2)$
x

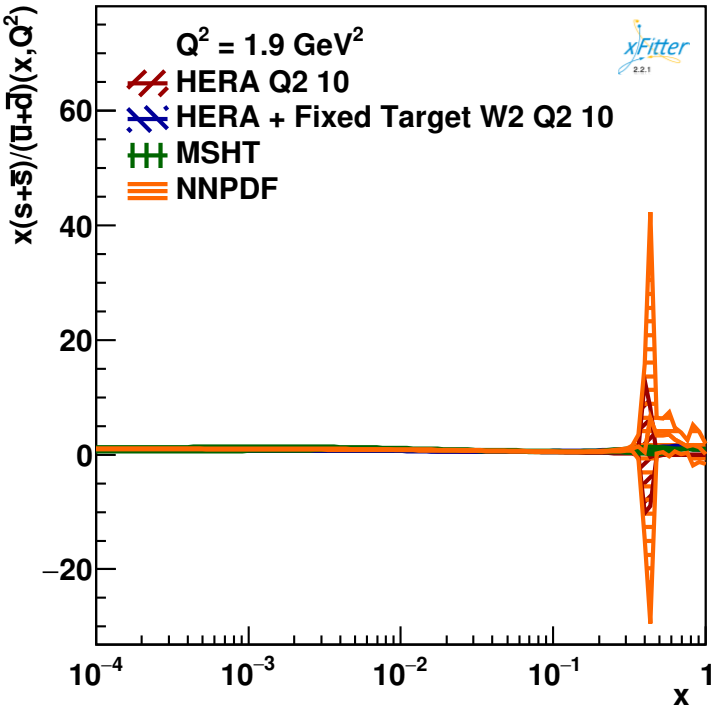

Q^2 = 1.9 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$x\Sigma(x,Q^2)$
x

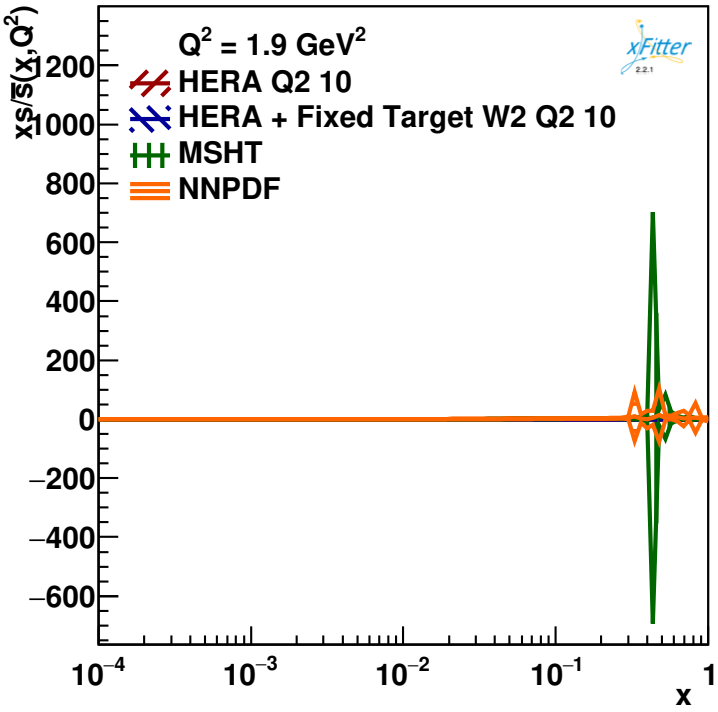

$xU(x,Q^2)$
Q^2 = 1.9 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x

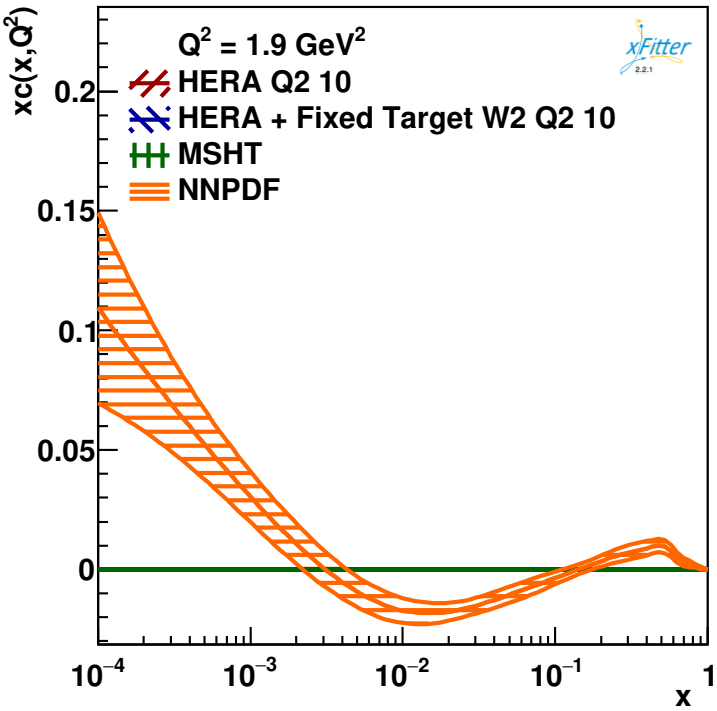

$x\bar{d}(x,Q^2)$
Q^2 = 1.9 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x

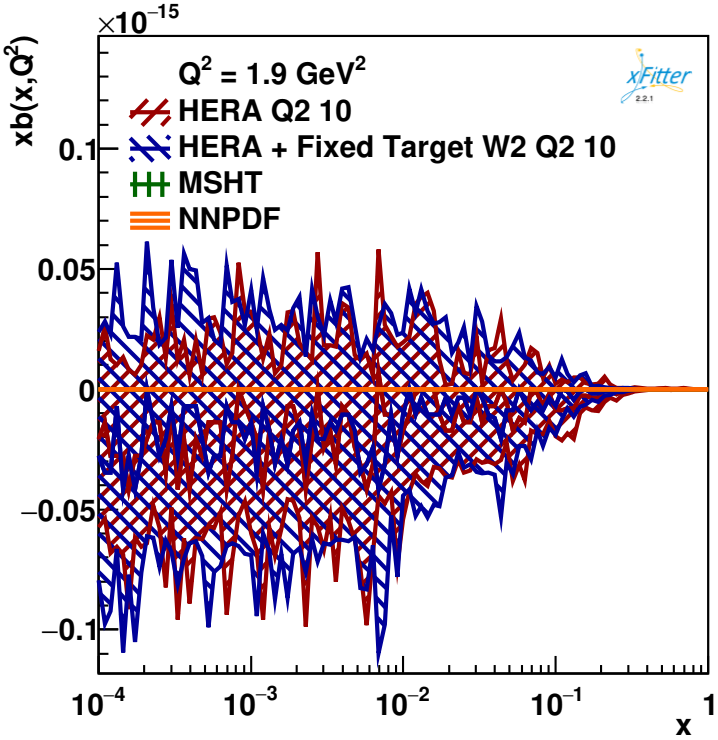

$xs(x,Q^2)$
Q^2 = 1.9 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x

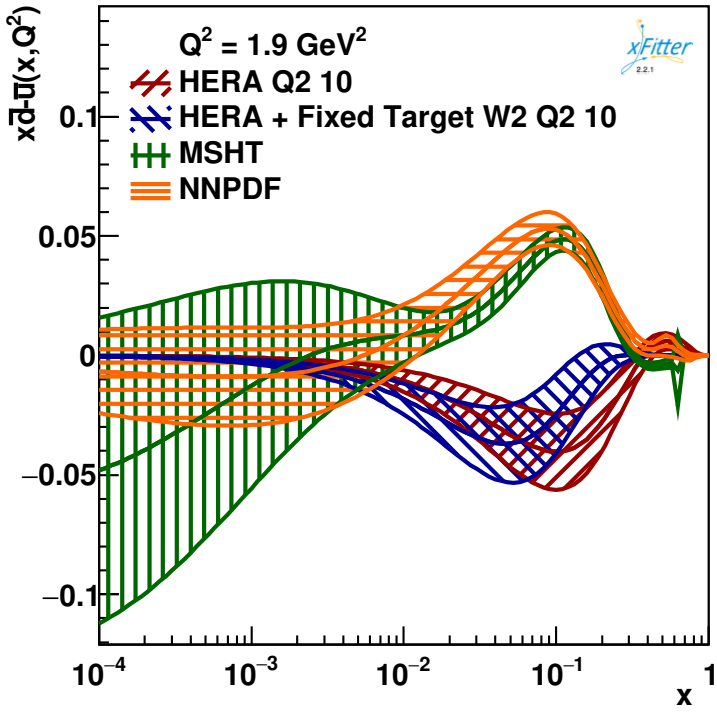

$x\bar{s}(x,Q^2)$
Q^2 = 1.9 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x

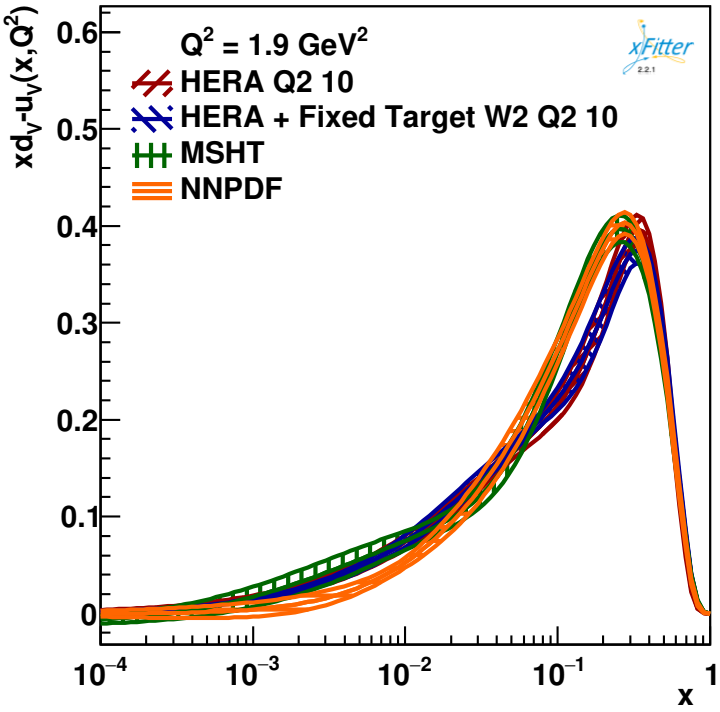

Q^2 = 1.9 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$x(s+\bar{s})/(\bar{u}+\bar{d})(x,Q^2)$
x

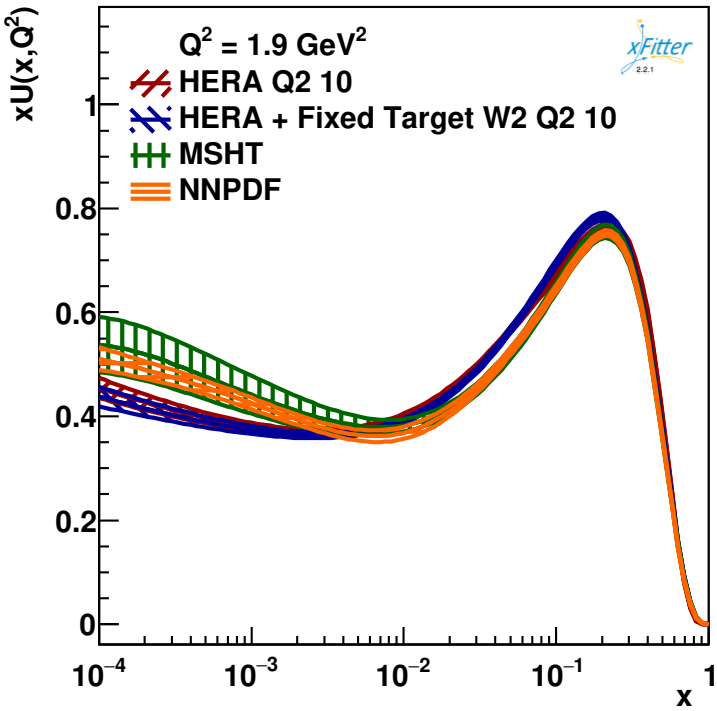

Q^2 = 1.9 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$xs/\bar{s}(x,Q^2)$
x

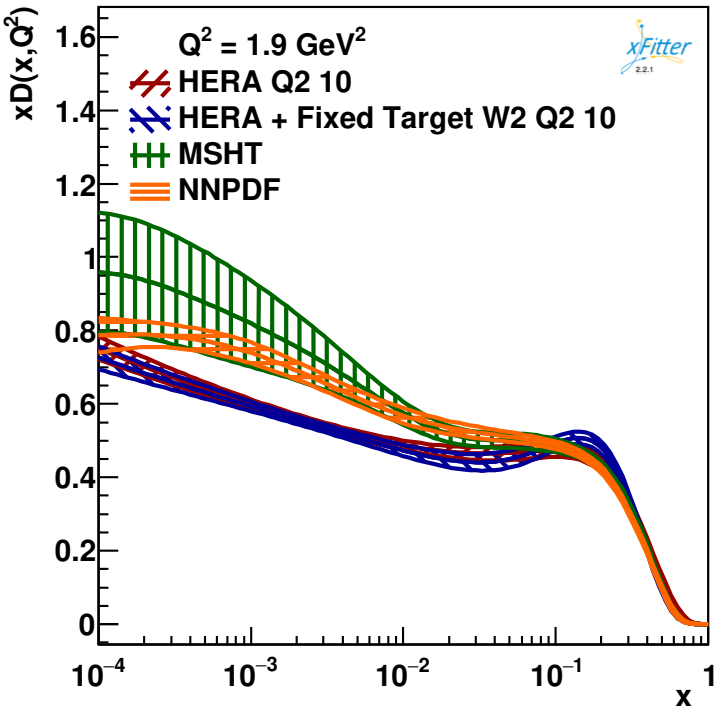

Q^2 = 1.9 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$xc(x,Q^2)$
x

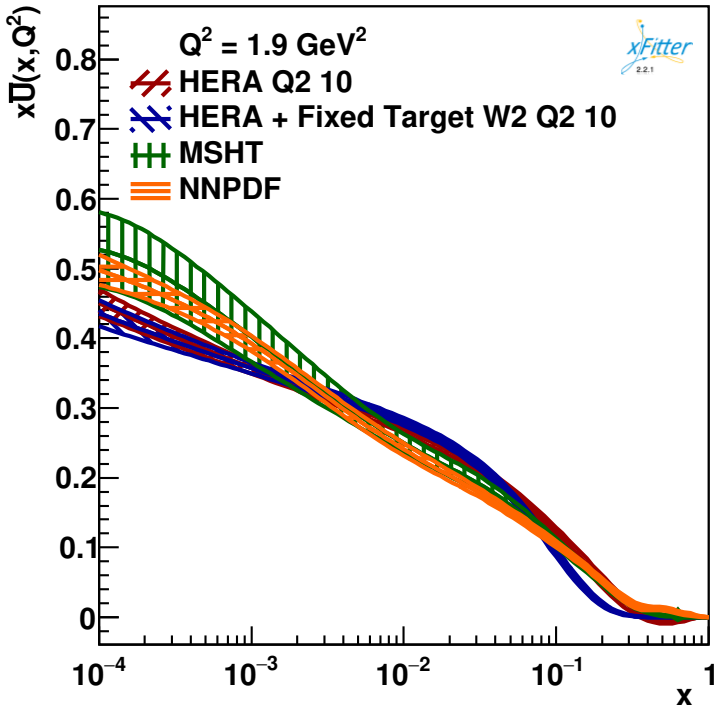

$\times 10^{-15}$
Q^2 = 1.9 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$xb(x,Q^2)$
x

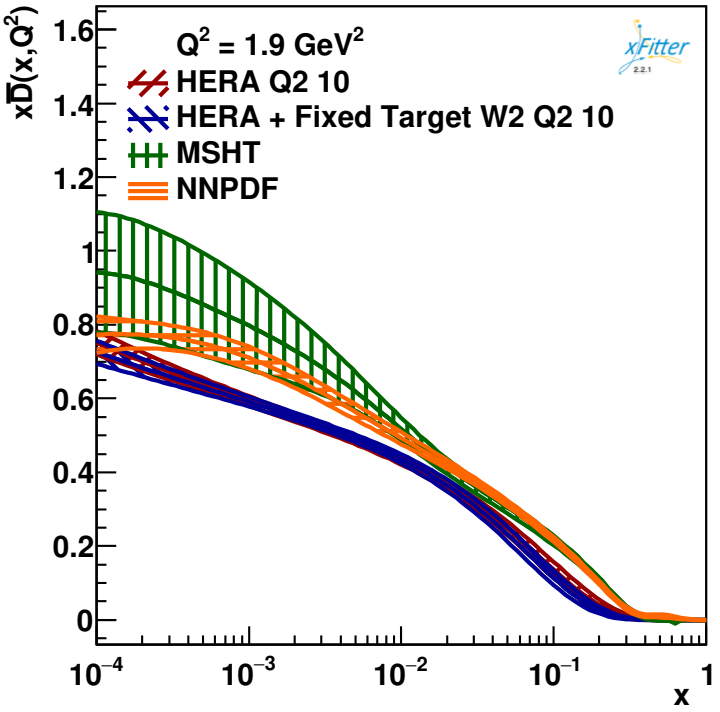

Q^2 = 1.9 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$x\bar{d}-x\bar{u}(x,Q^2)$
0.1
0.05
0
−0.05
−0.1
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x

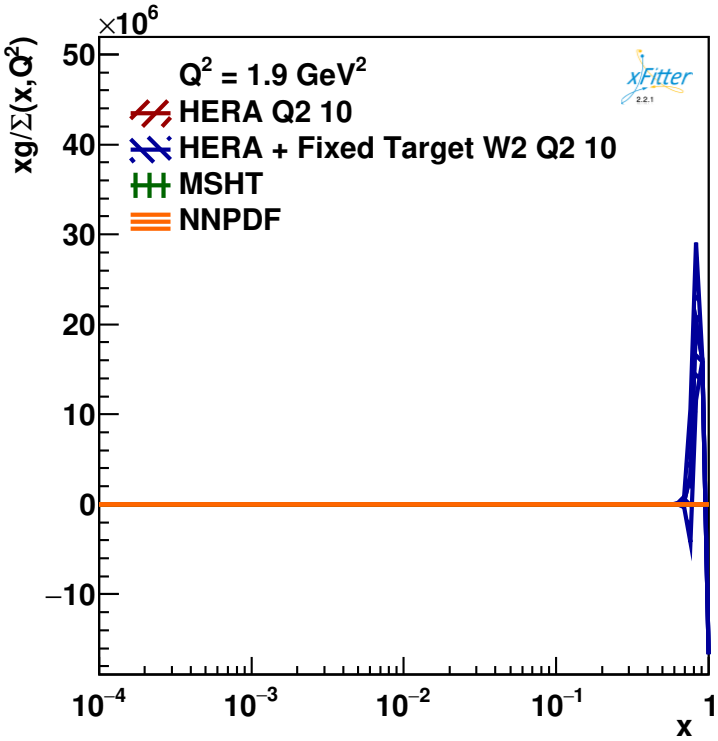

Q^2 = 1.9 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$xd_V-u_V(x,Q^2)$
0.6
0.5
0.4
0.3
0.2
0.1
0
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x

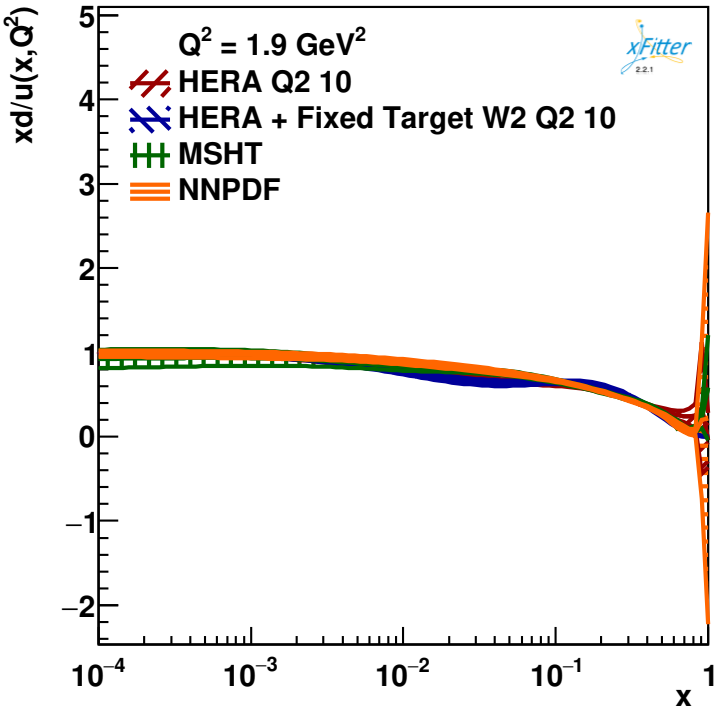

Q^2 = 1.9 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$xU(x,Q^2)$
1
0.8
0.6
0.4
0.2
0
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x

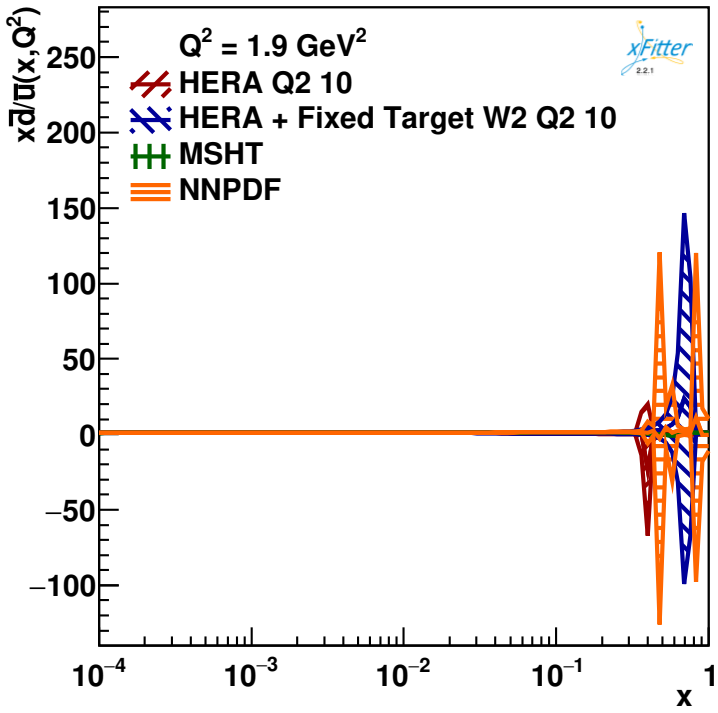

Q^2 = 1.9 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$xD(x,Q^2)$
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x

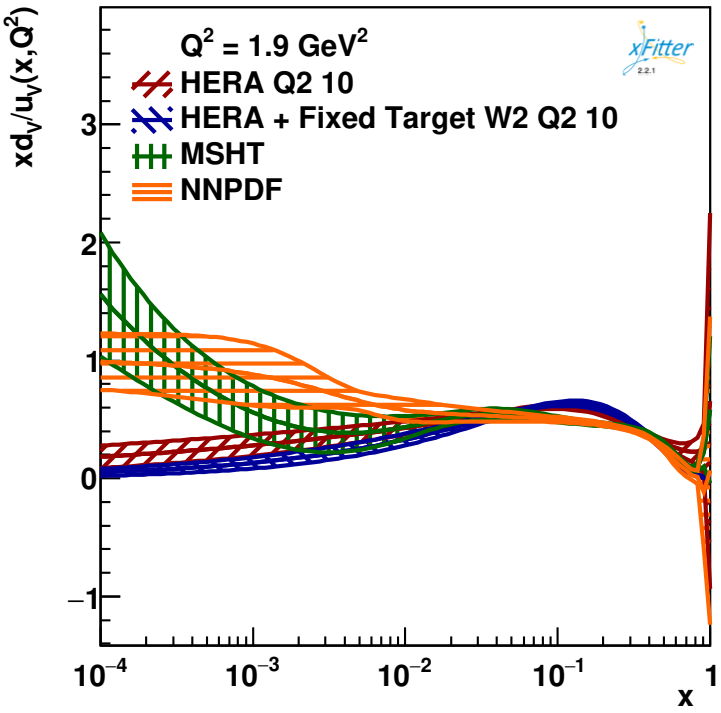

$xU(x,Q^2)$
Q^2 = 1.9 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
x

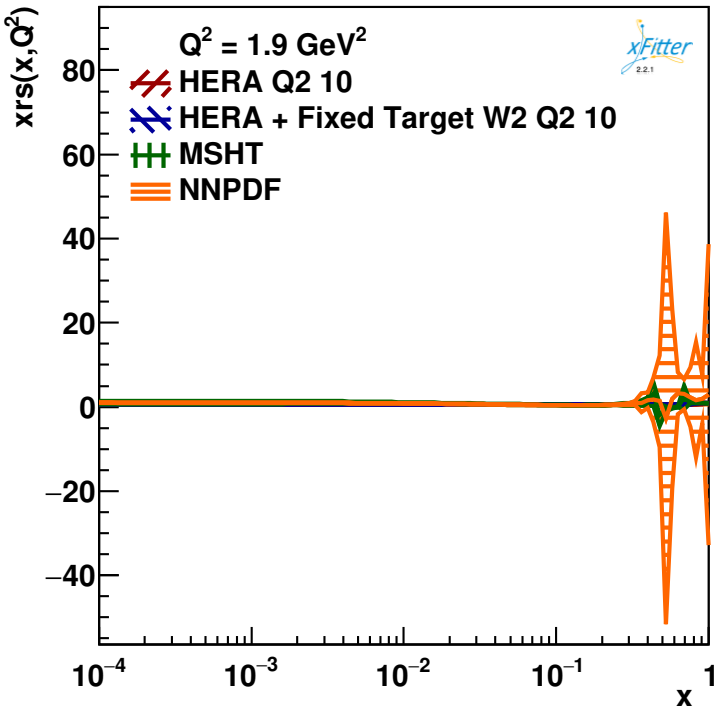

$x\bar{D}(x,Q^2)$
Q^2 = 1.9 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
x

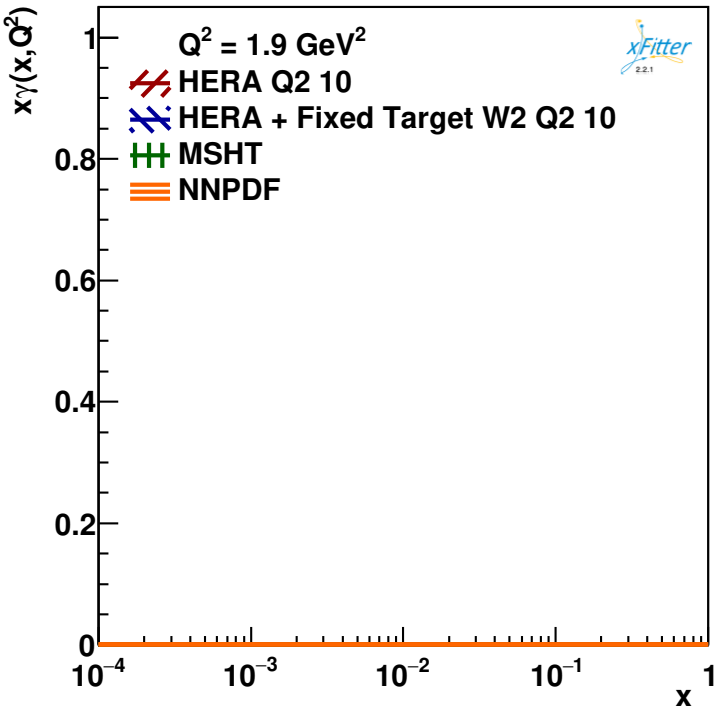

$xg/\Sigma(x,Q^2)$
$\times 10^6$
Q^2 = 1.9 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
x

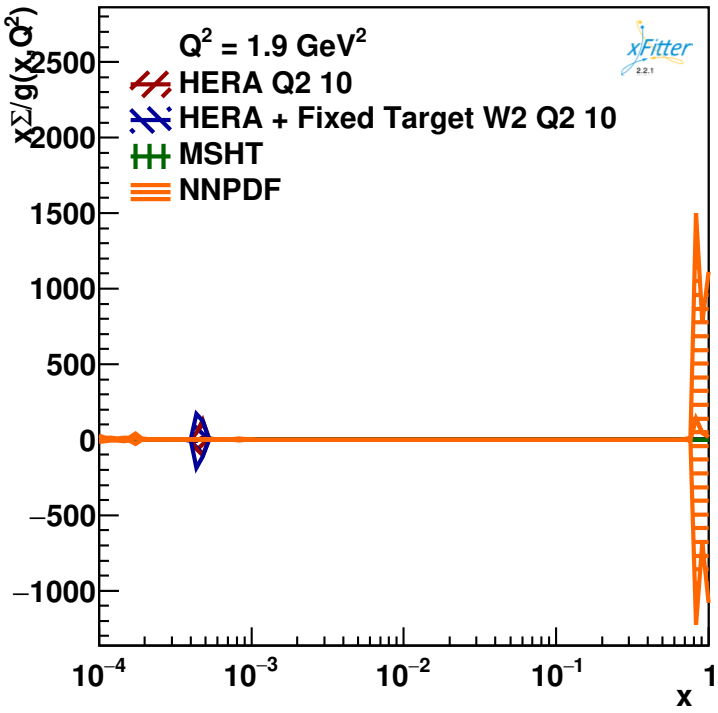

$xd/u(x,Q^2)$
Q^2 = 1.9 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
x

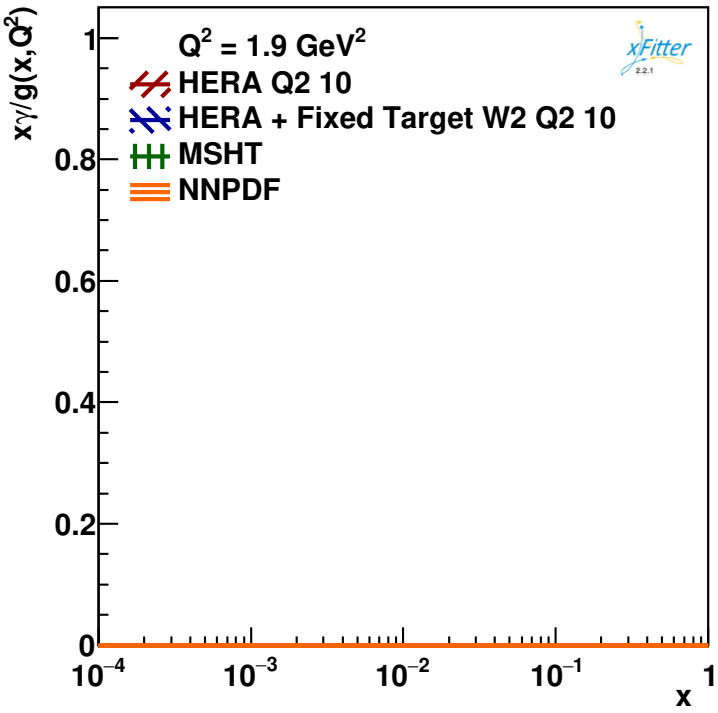

$x\bar{d}/\bar{u}(x,Q^2)$
Q^2 = 1.9 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
250
200
150
100
50
0
−50
−100
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x

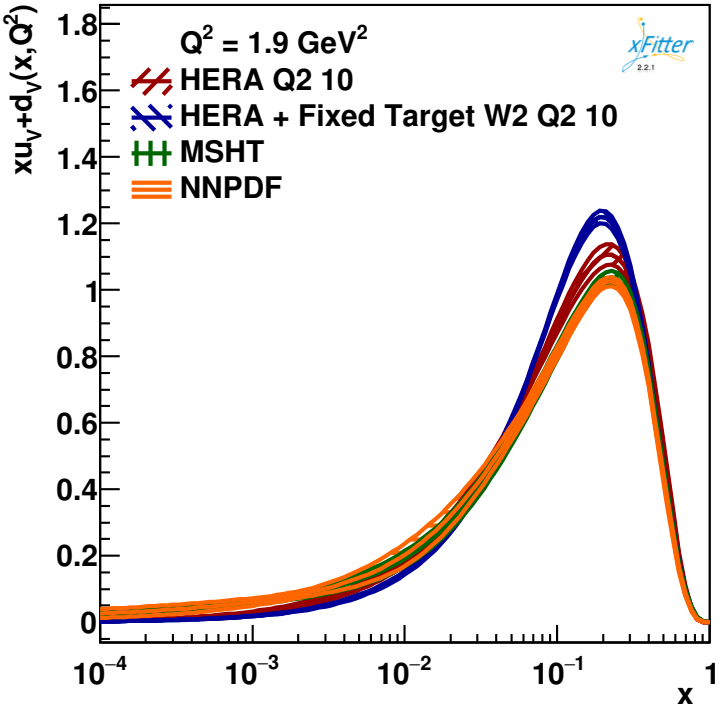

$xd_V/u_V(x,Q^2)$
Q^2 = 1.9 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
3
2
1
0
−1
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x

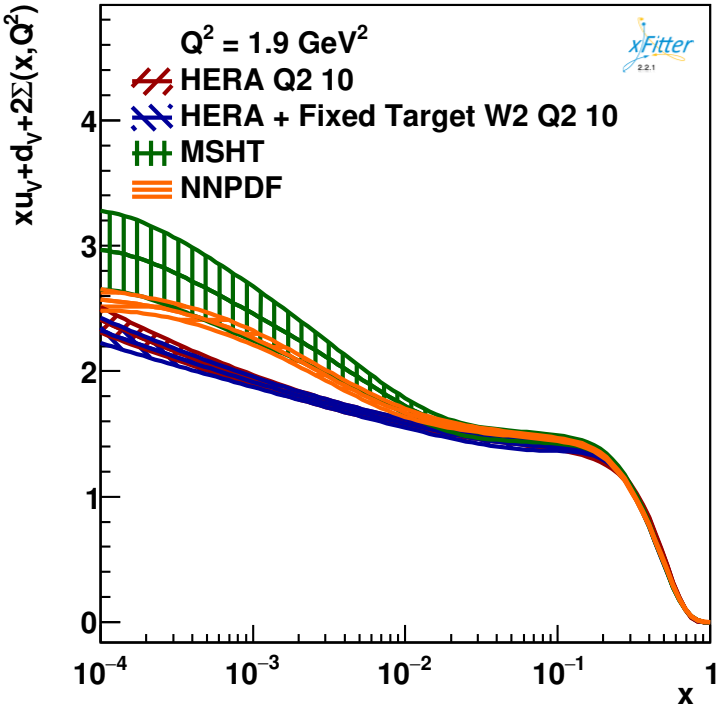

$xrs(x,Q^2)$
Q^2 = 1.9 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
80
60
40
20
0
−20
−40
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x

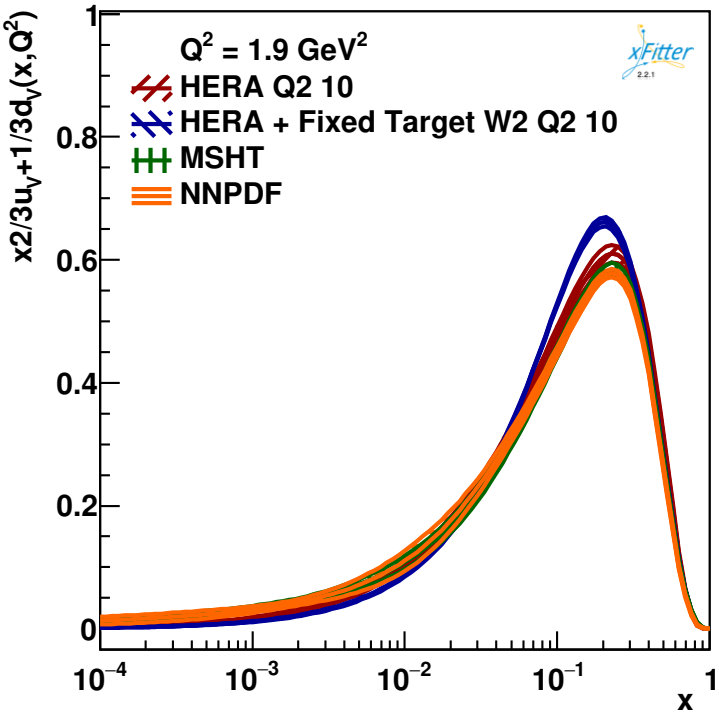

$x\gamma(x,Q^2)$
Q^2 = 1.9 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
1
0.8
0.6
0.4
0.2
0
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x

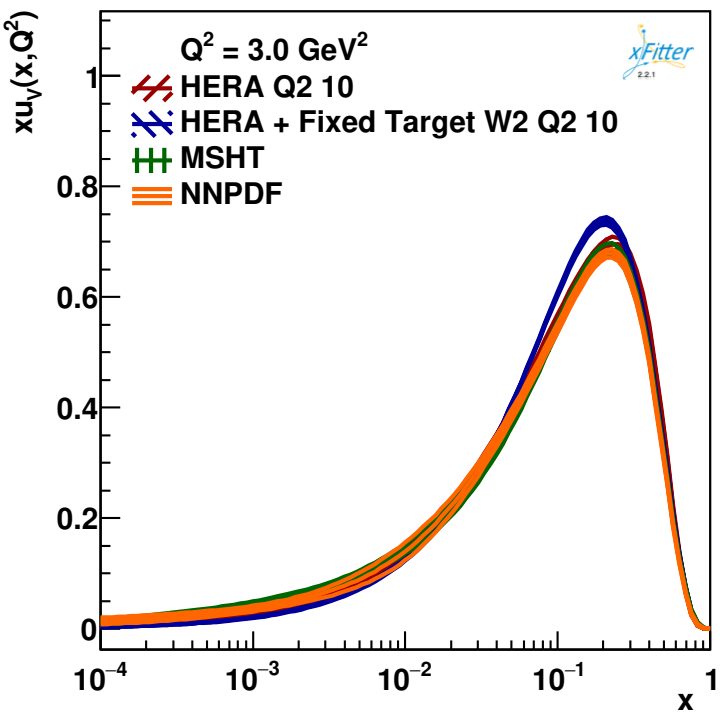

Q^2 = 1.9 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$x\Sigma/g(x,Q^2)$
2500
2000
1500
1000
500
0
−500
−1000
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x

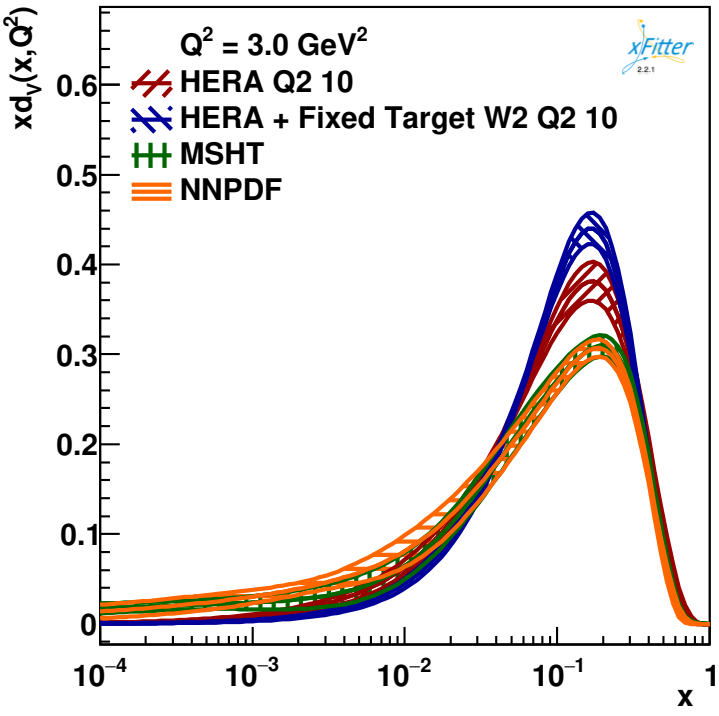

Q^2 = 1.9 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$x\gamma/g(x,Q^2)$
1
0.8
0.6
0.4
0.2
0
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x

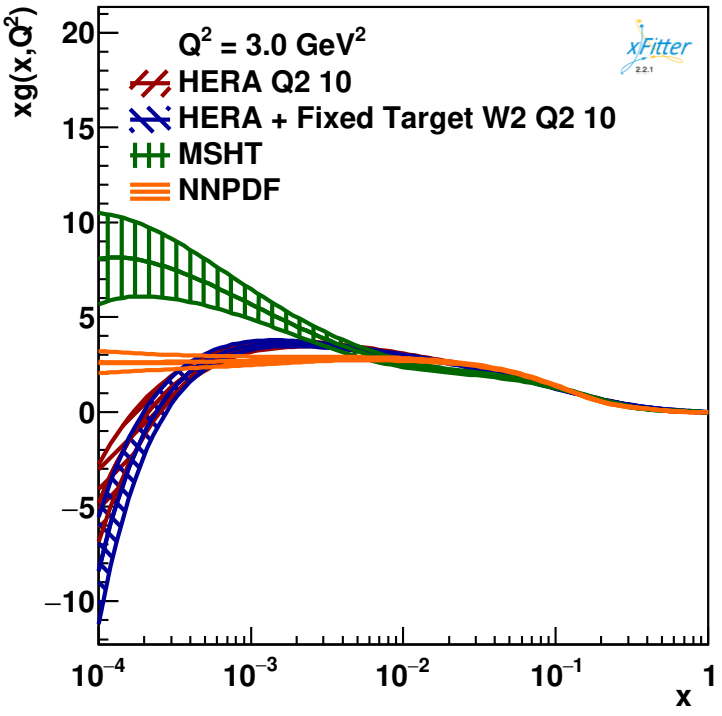

Q^2 = 1.9 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$xu_v+d_v(x,Q^2)$
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x

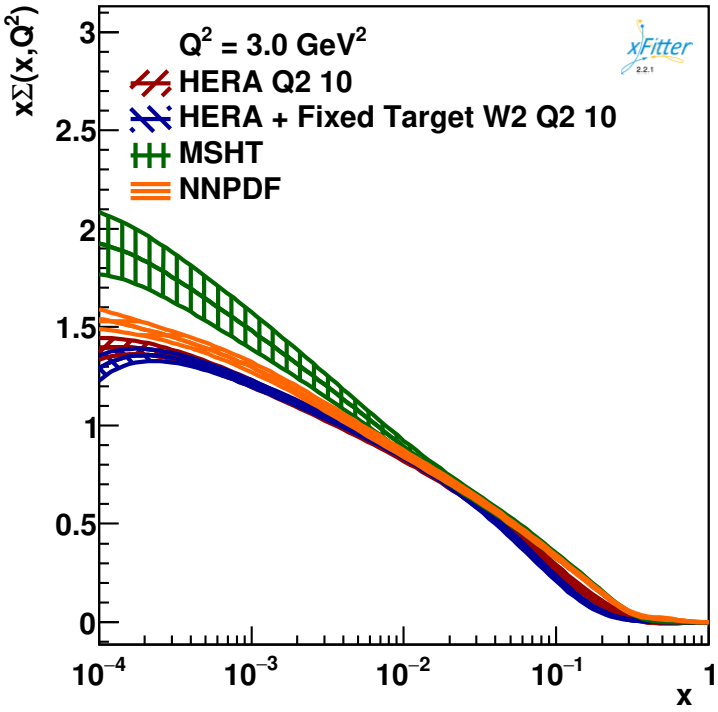

Q^2 = 1.9 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$xu_v+d_v+2\Sigma(x,Q^2)$
4
3
2
1
0
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x

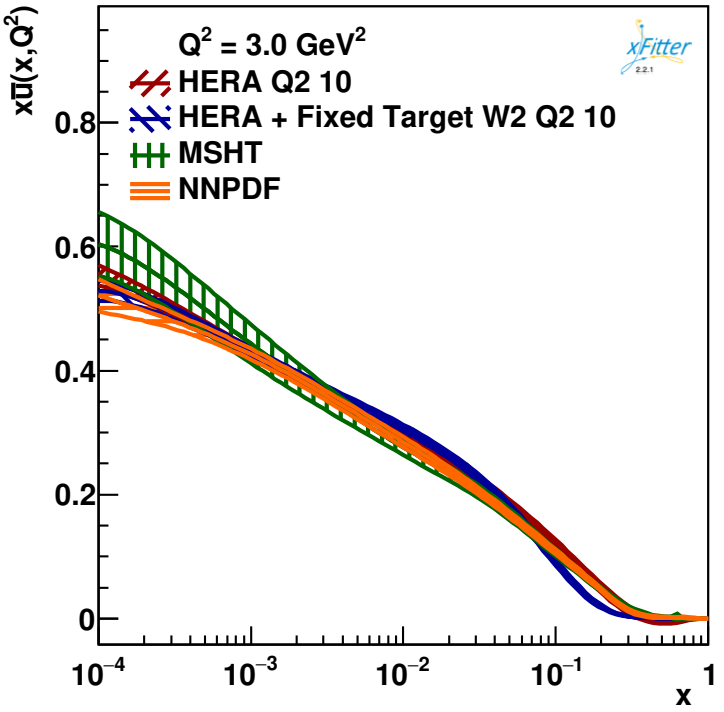

Q^2 = 1.9 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$x2/3u_V+1/3d_V(x,Q^2)$
x

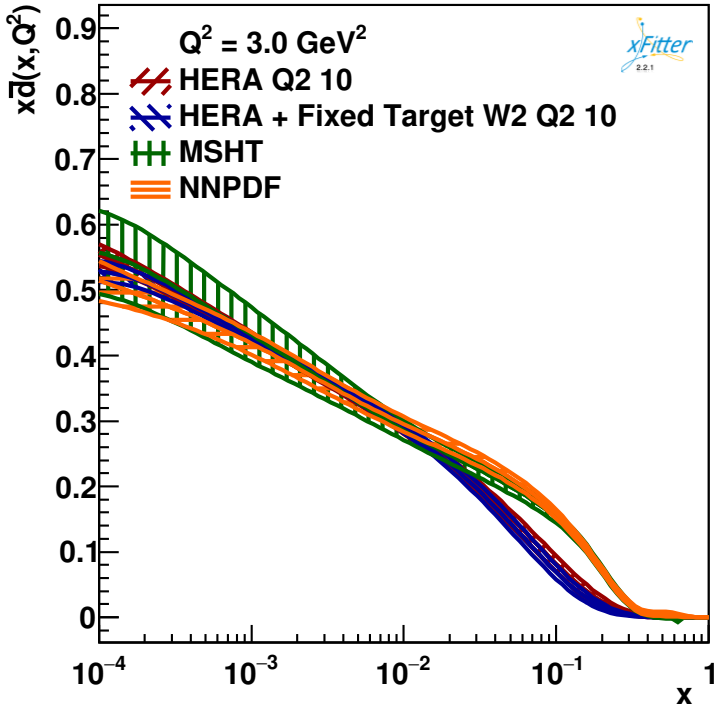

Q^2 = 3.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$xu_V(x,Q^2)$
x

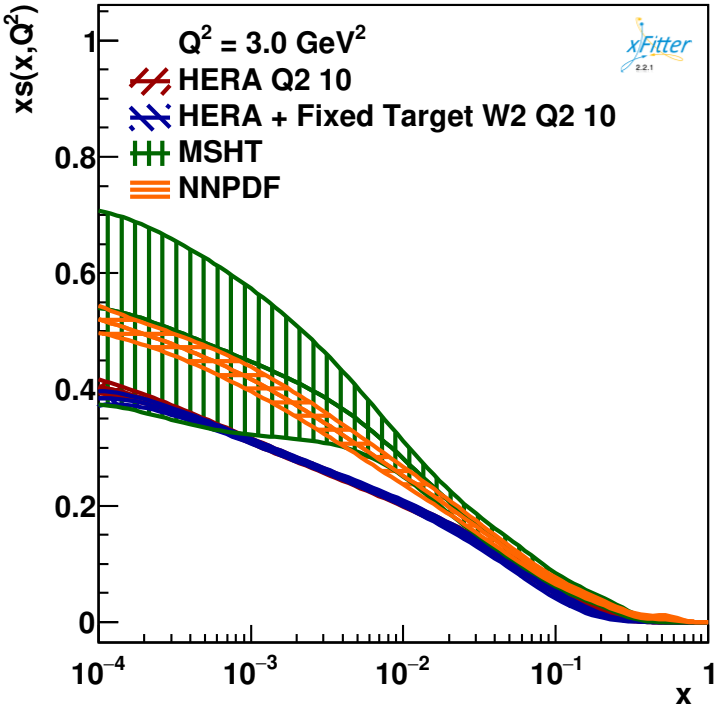

Q^2 = 3.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$xd_V(x,Q^2)$
x

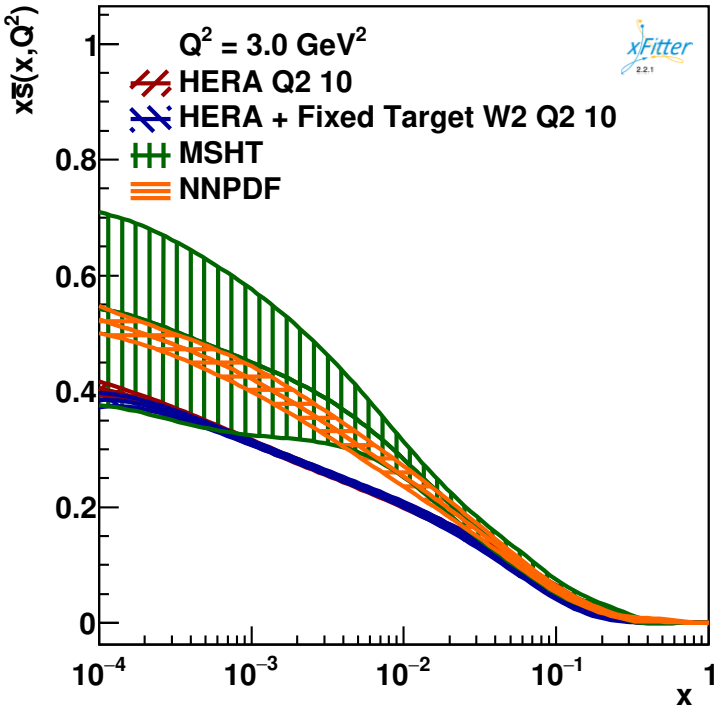

Q^2 = 3.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$xg(x,Q^2)$
x

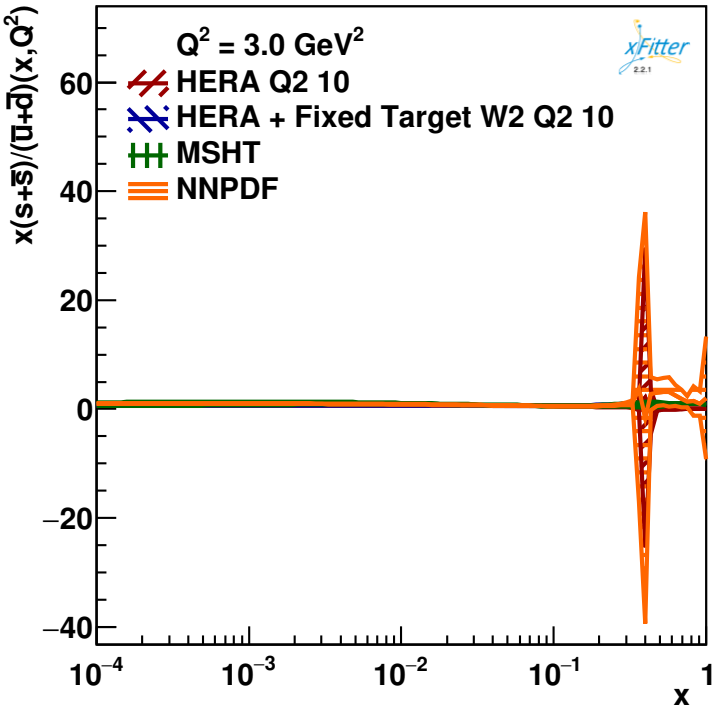

Q^2 = 3.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$x\Sigma(x,Q^2)$
x

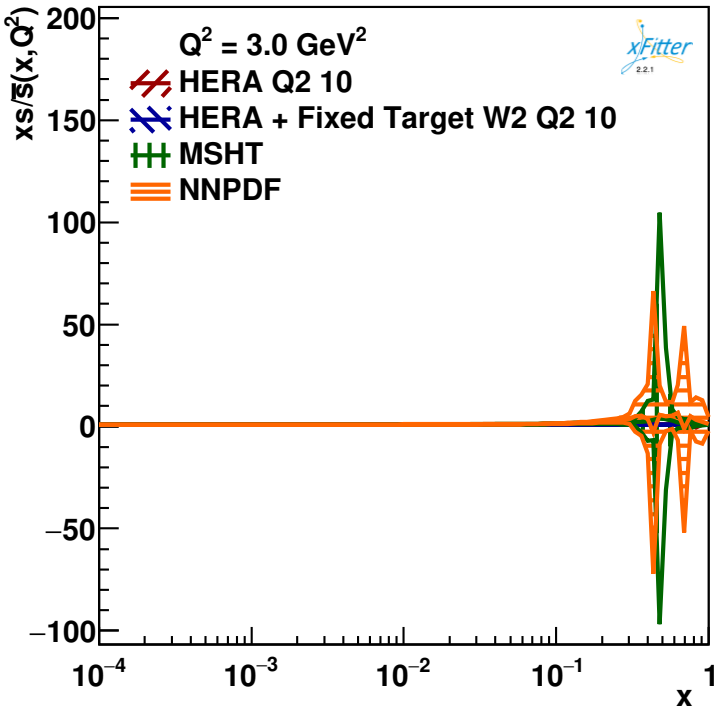

Q^2 = 3.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$x\bar{u}(x,Q^2)$
x

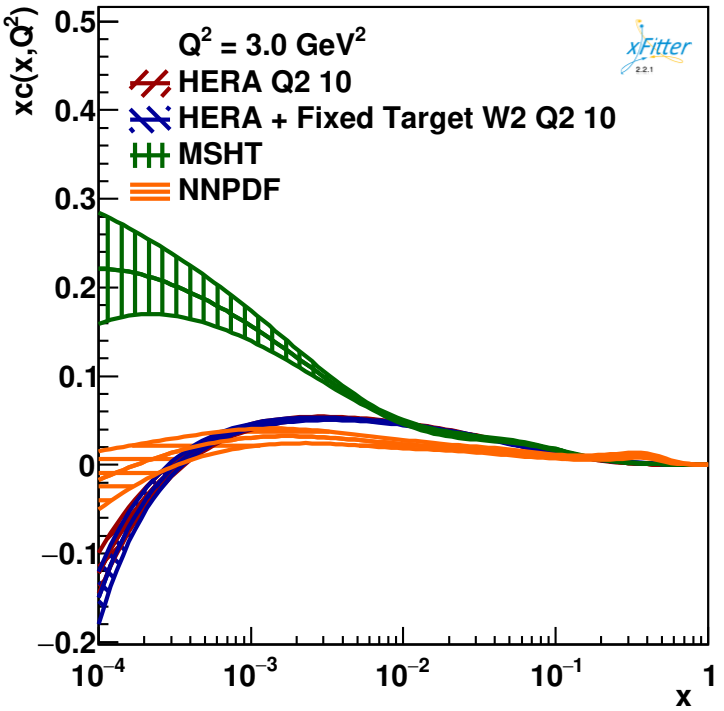

Q^2 = 3.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$x\bar{d}(x,Q^2)$
x

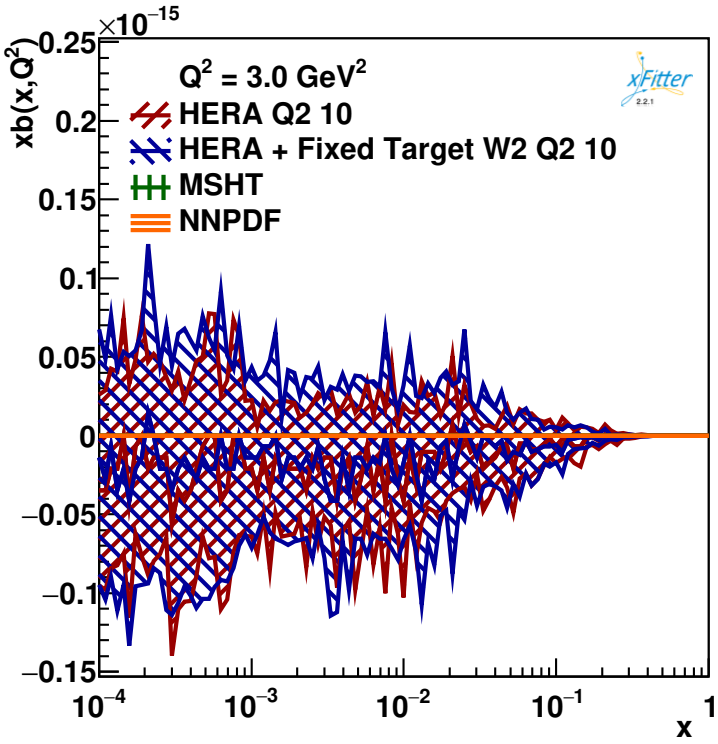

Q^2 = 3.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$xs(x,Q^2)$
x

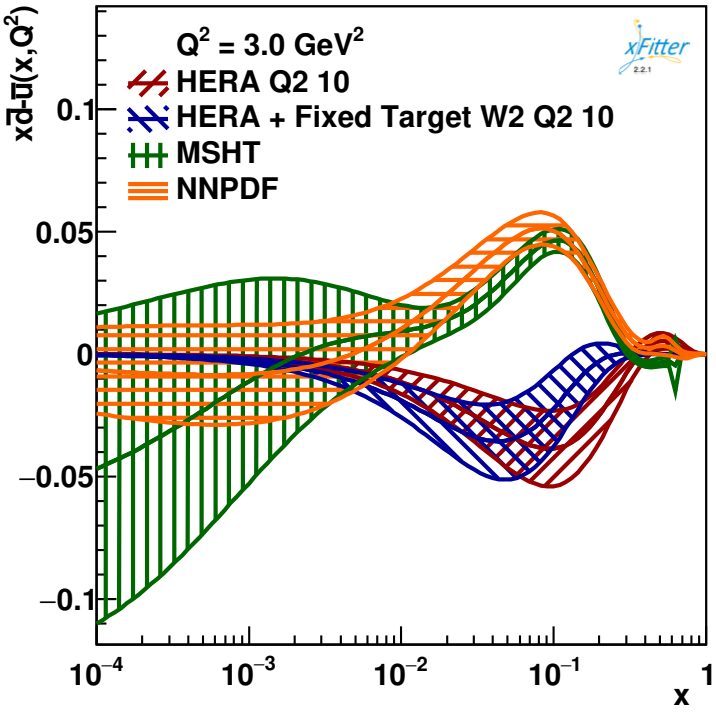

Q^2 = 3.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$x\bar{s}(x,Q^2)$
x

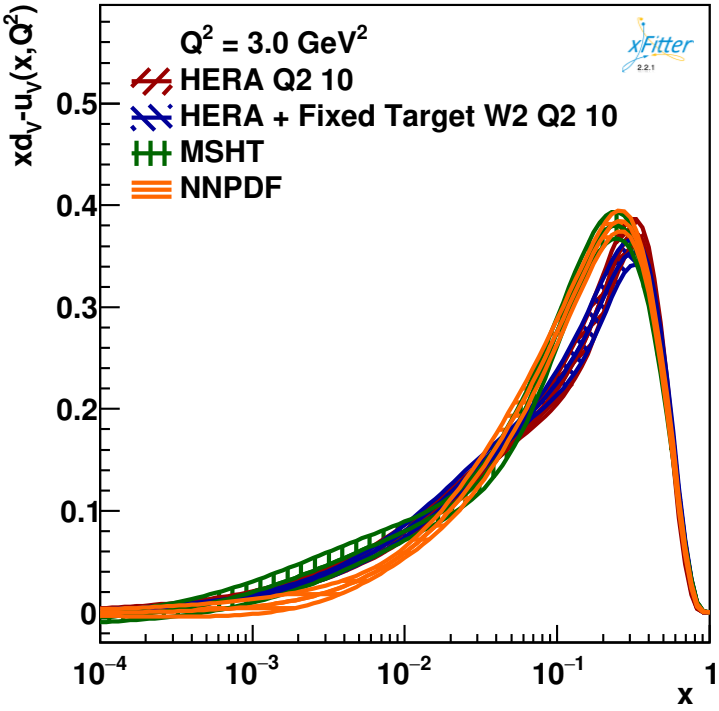

Q^2 = 3.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$x(s+\bar{s})/(\bar{u}+\bar{d})(x,Q^2)$
x

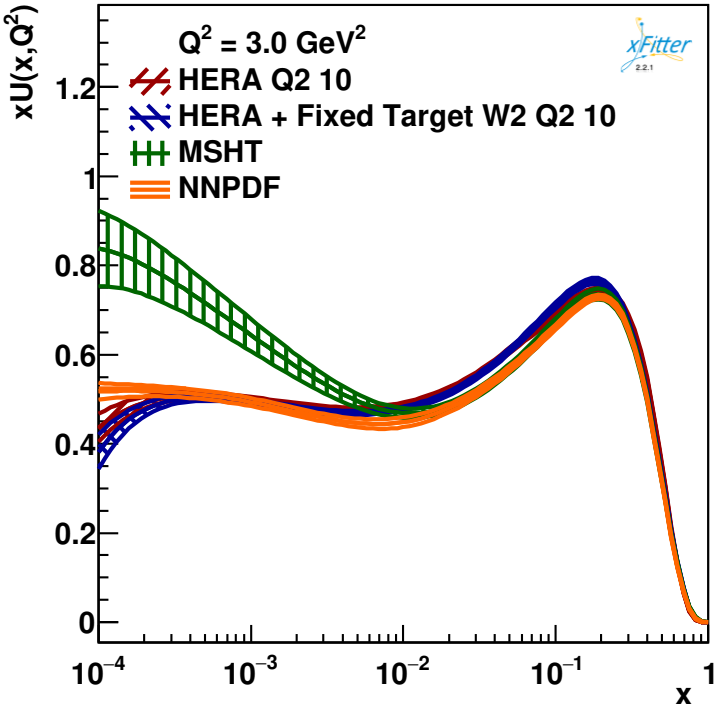

Q^2 = 3.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$xs/\bar{s}(x,Q^2)$
x

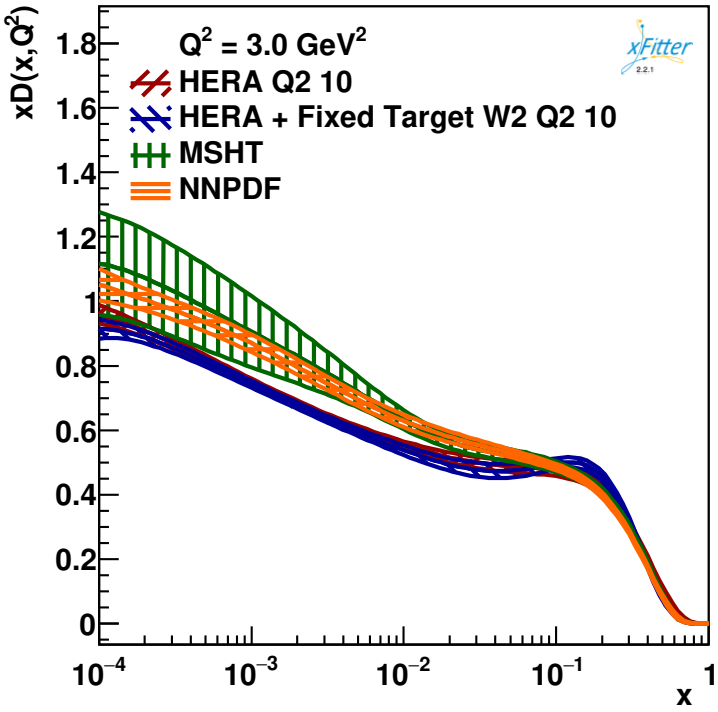

Q^2 = 3.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$xc(x,Q^2)$
x

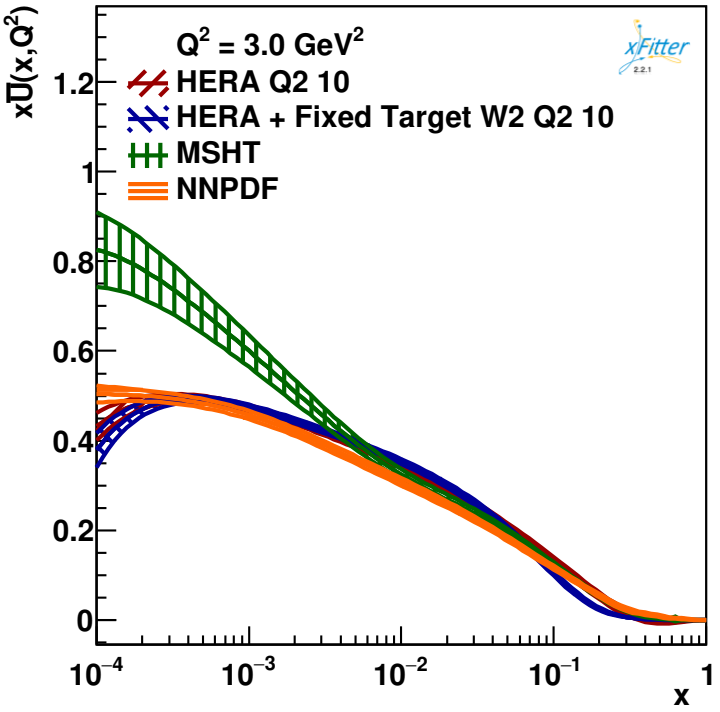

×10^−15
xb(x,Q^2)
Q^2 = 3.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
x

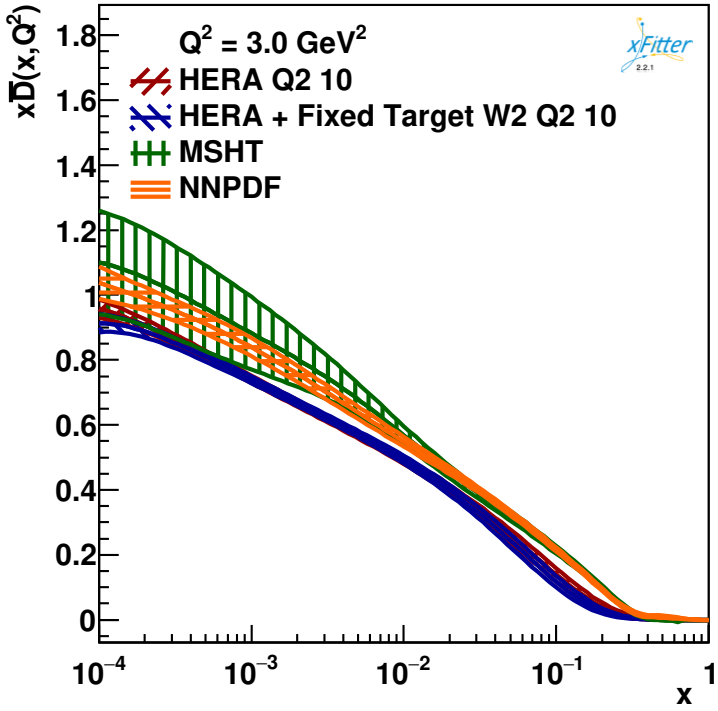

xd̄-ū(x,Q^2)
Q^2 = 3.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
x

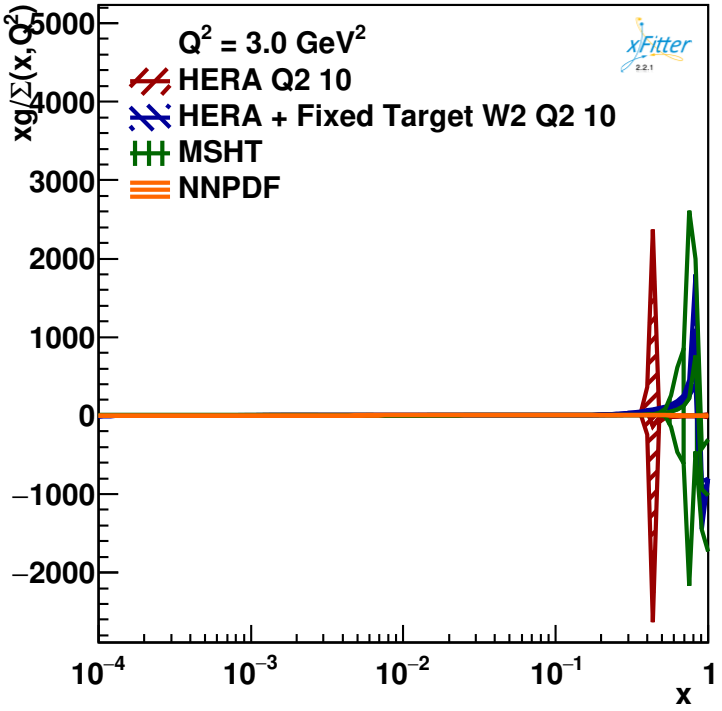

xd_V-u_V(x,Q^2)
Q^2 = 3.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
x

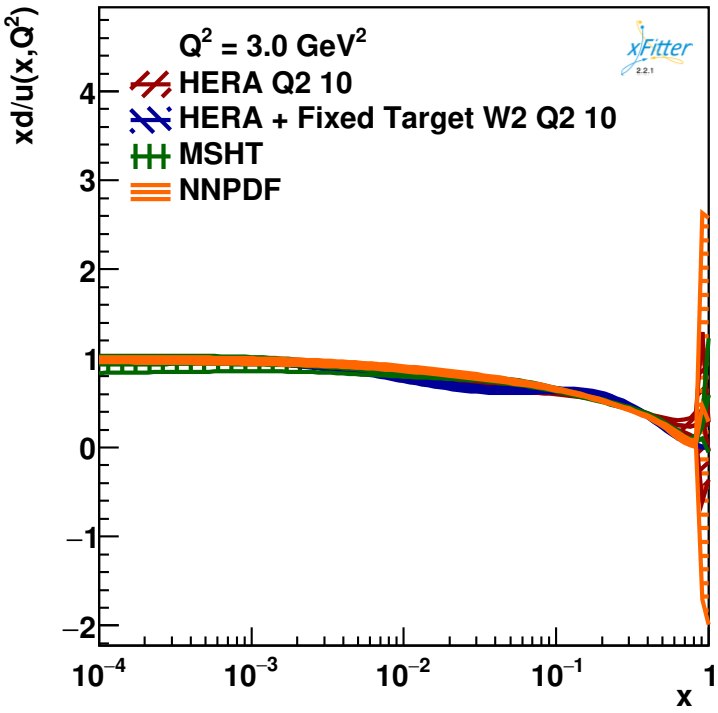

xU(x,Q^2)
Q^2 = 3.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
x

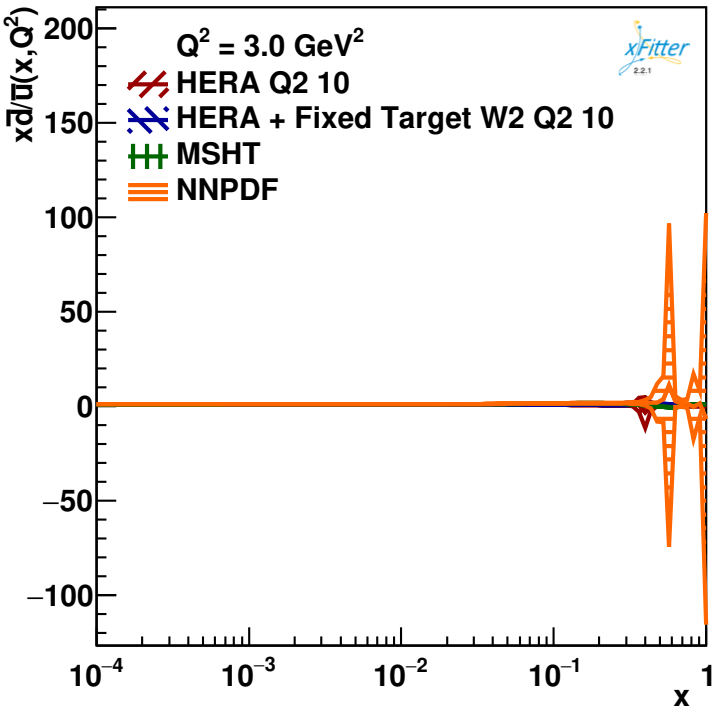

Q^2 = 3.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$xD(x,Q^2)$
x

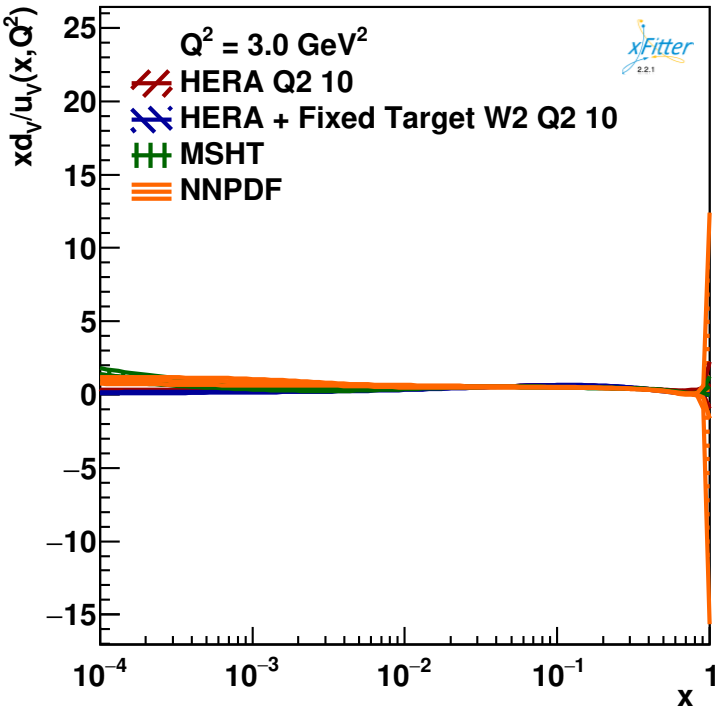

Q^2 = 3.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$x\bar{U}(x,Q^2)$
x

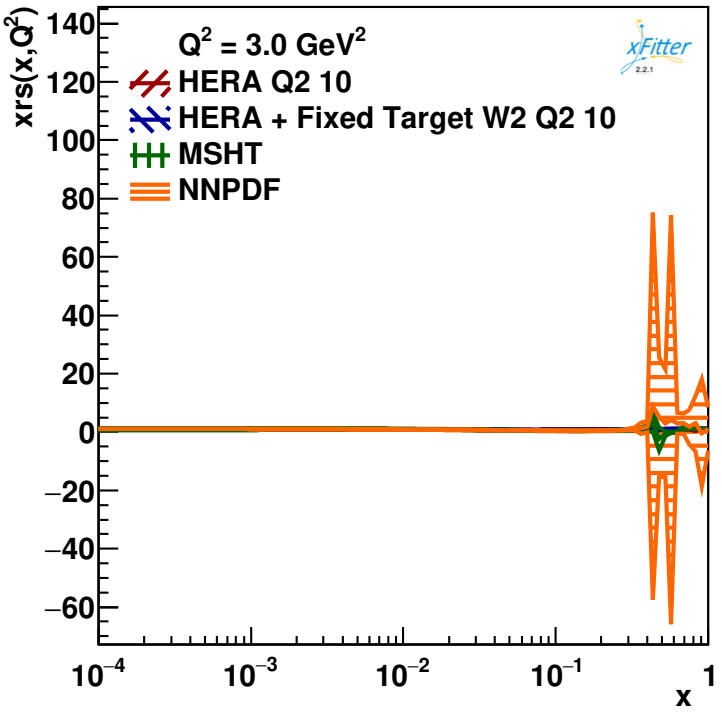

Q^2 = 3.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$x\bar{D}(x,Q^2)$
x

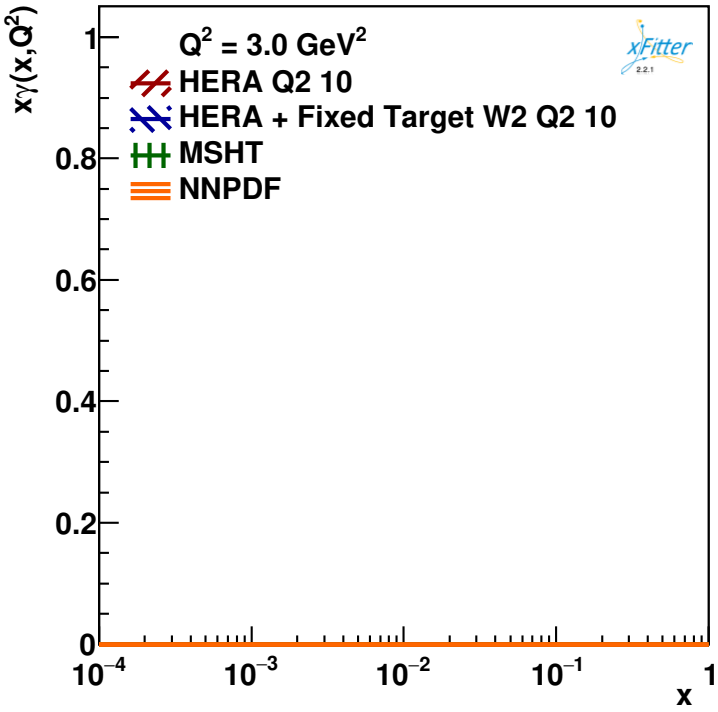

Q^2 = 3.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$xg/\Sigma(x,Q^2)$
x

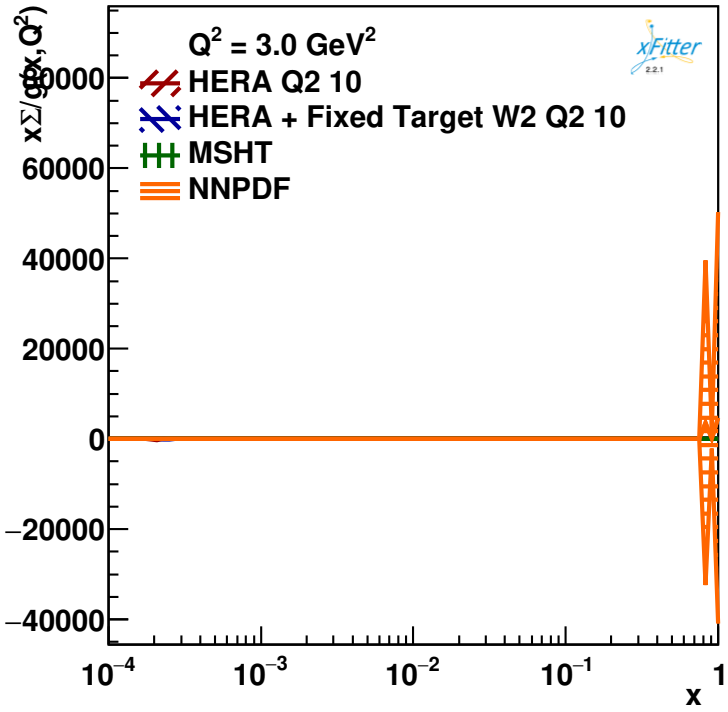

$xd/u(x,Q^2)$
Q^2 = 3.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter
x

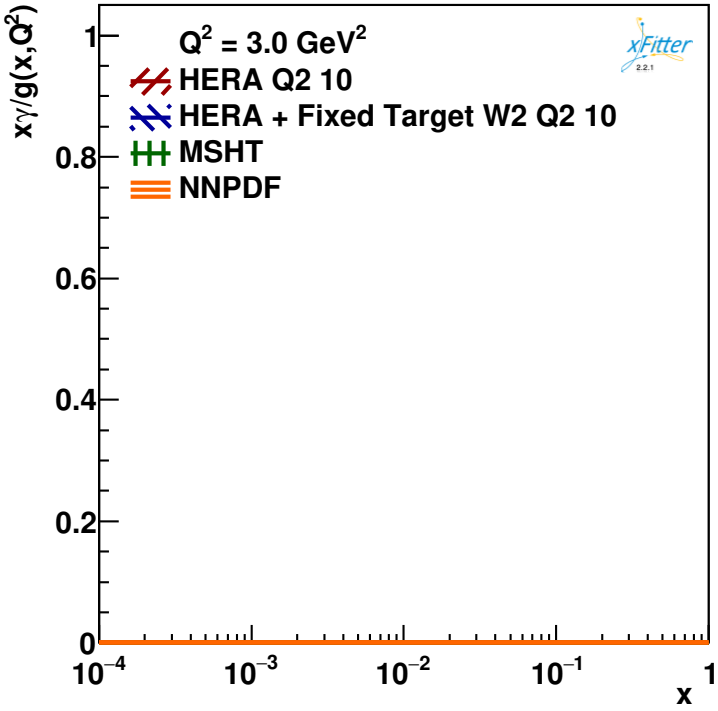

$x\bar{d}/\bar{u}(x,Q^2)$
Q^2 = 3.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter
x

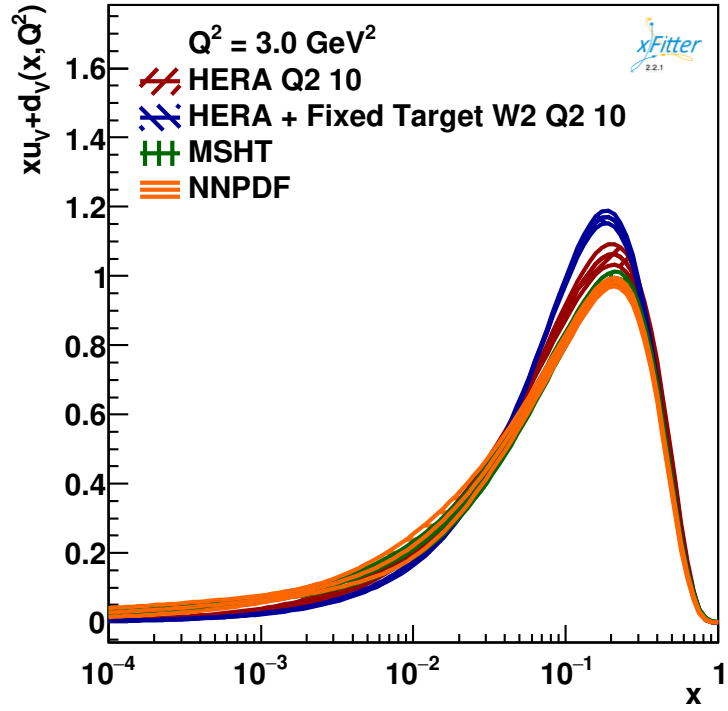

$xd_v/u_v(x,Q^2)$
Q^2 = 3.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter
x

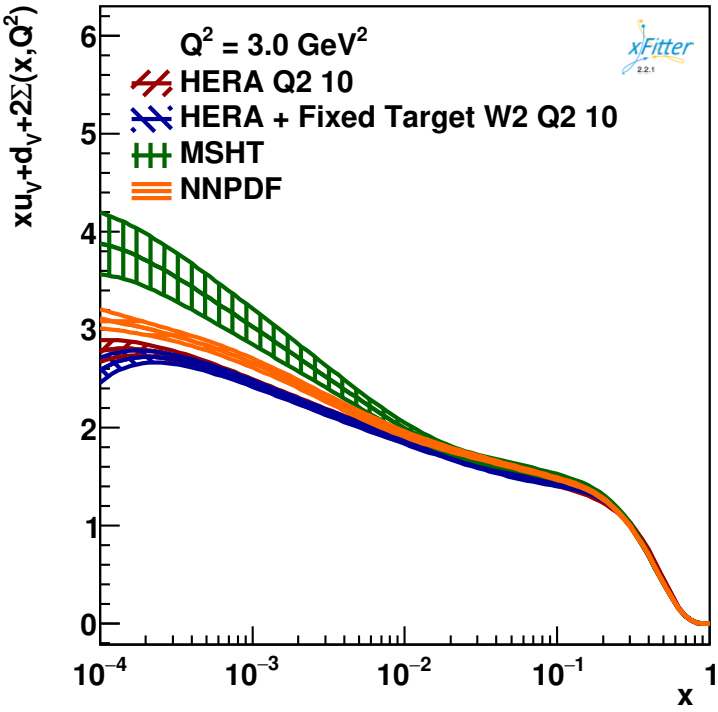

$xrs(x,Q^2)$
Q^2 = 3.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter
x

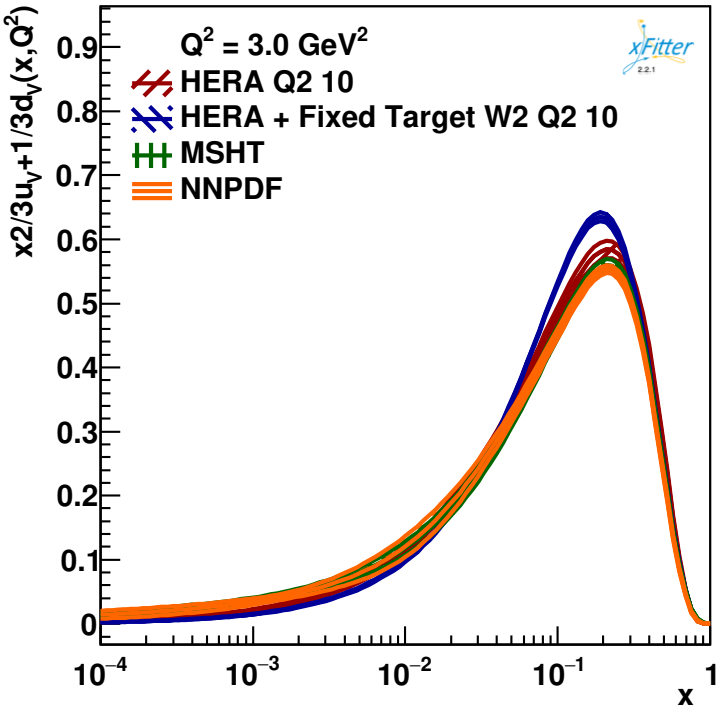

Q^2 = 3.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$x\gamma(x,Q^2)$
x

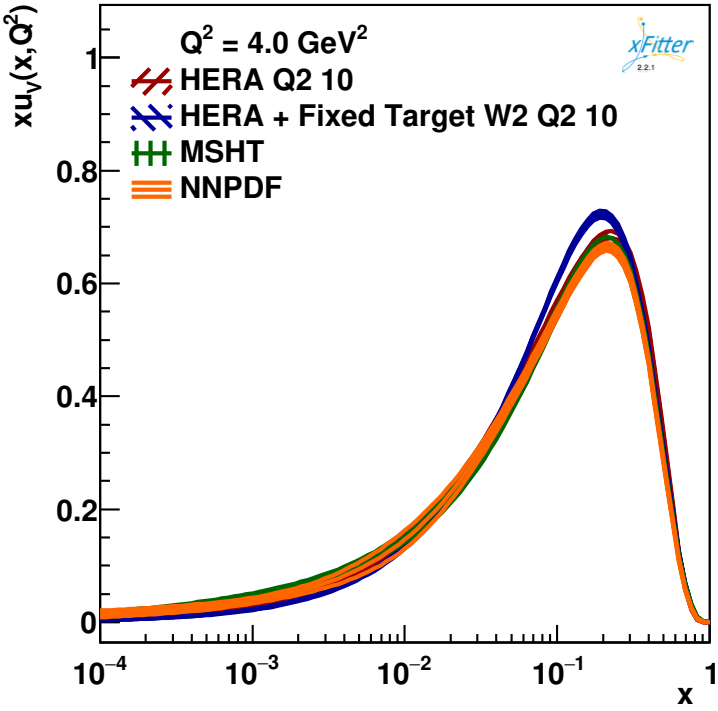

Q^2 = 3.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$x\Sigma/g(x,Q^2)$
x

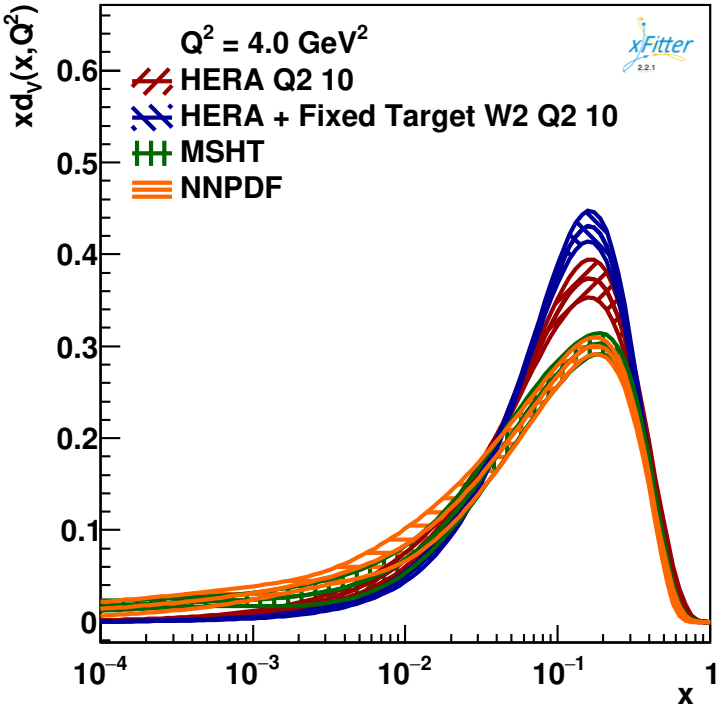

Q^2 = 3.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$x\gamma/g(x,Q^2)$
x

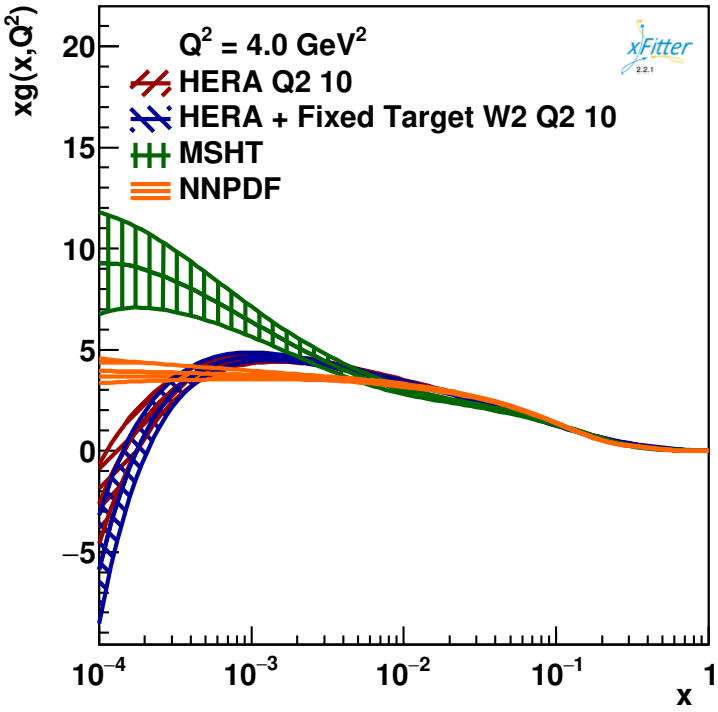

Q^2 = 3.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$xu_V+d_V(x,Q^2)$
x

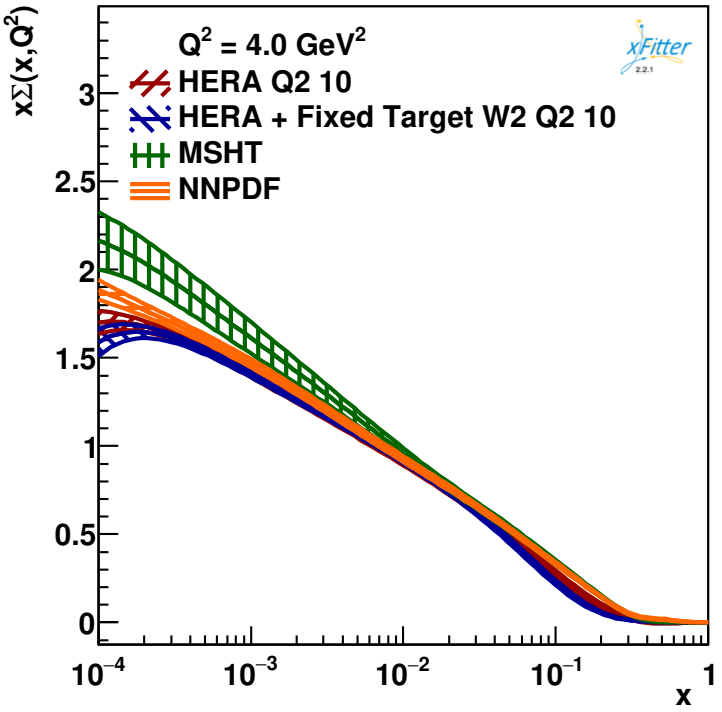

Q^2 = 3.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$xu_V+d_V+2\Sigma(x,Q^2)$
x

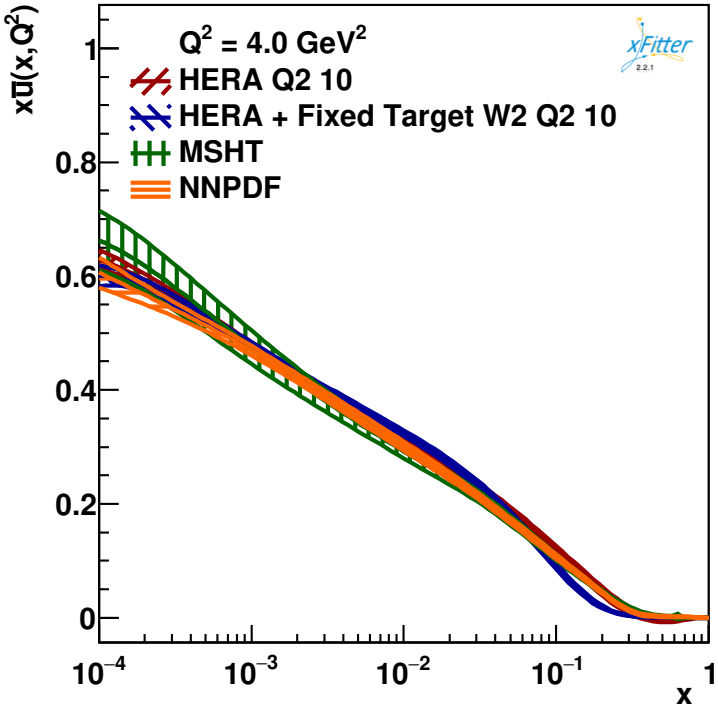

Q^2 = 3.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$x2/3u_V+1/3d_V(x,Q^2)$
x

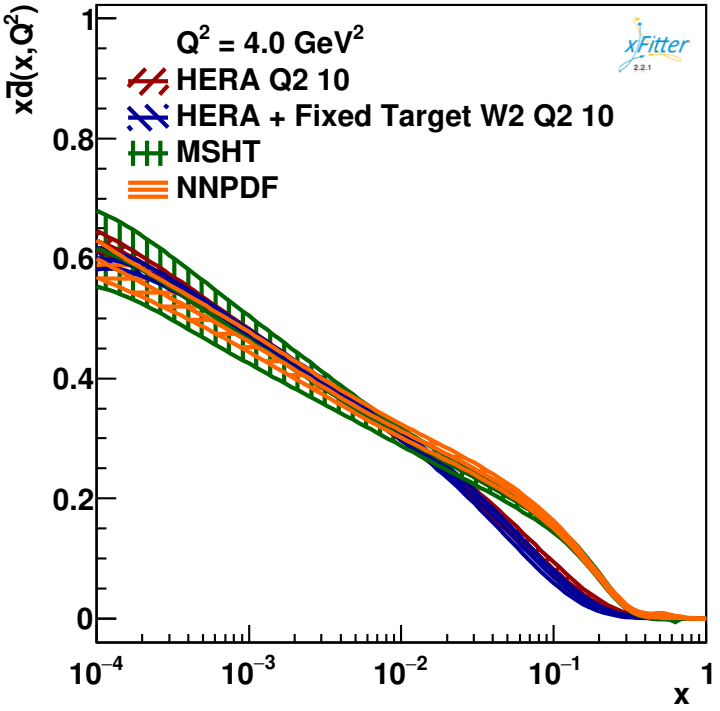

Q^2 = 4.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$xu_V(x,Q^2)$
x

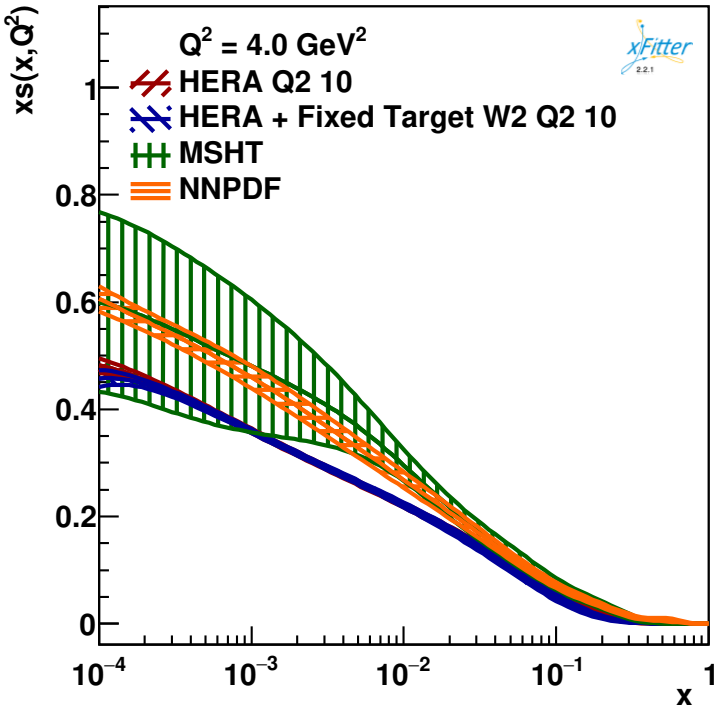

Q^2 = 4.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$xd_V(x,Q^2)$
x

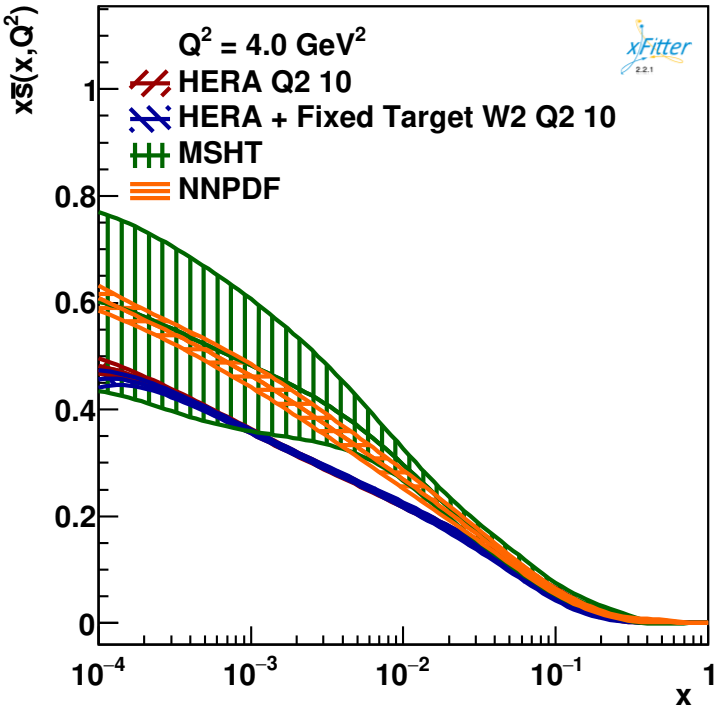

Q^2 = 4.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$xg(x,Q^2)$
x

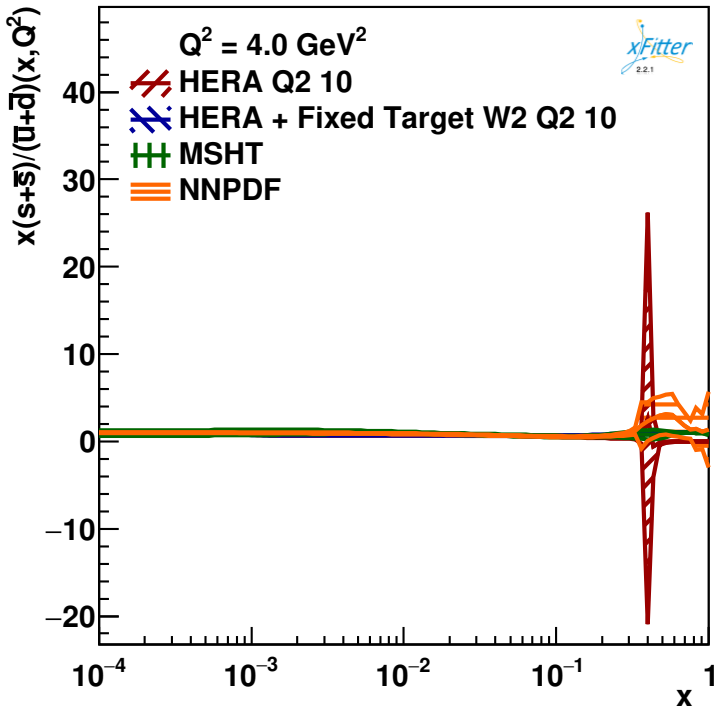

Q^2 = 4.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$x\Sigma(x,Q^2)$
x

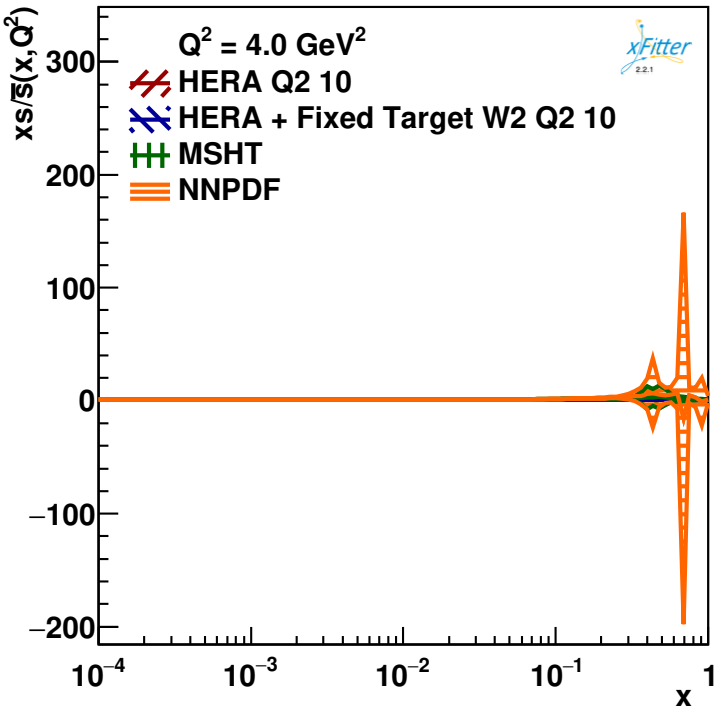

Q^2 = 4.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$x\bar{u}(x,Q^2)$
x

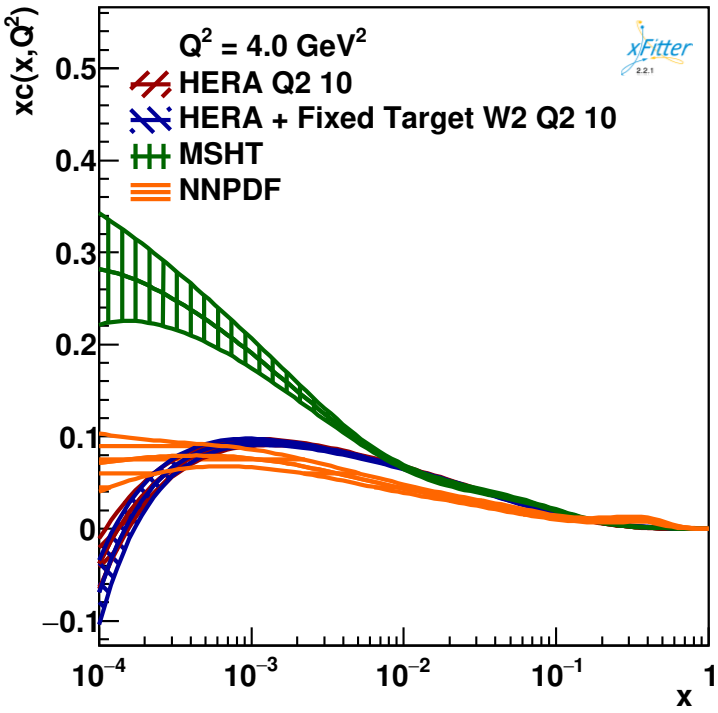

Q^2 = 4.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$x\bar{d}(x,Q^2)$
x

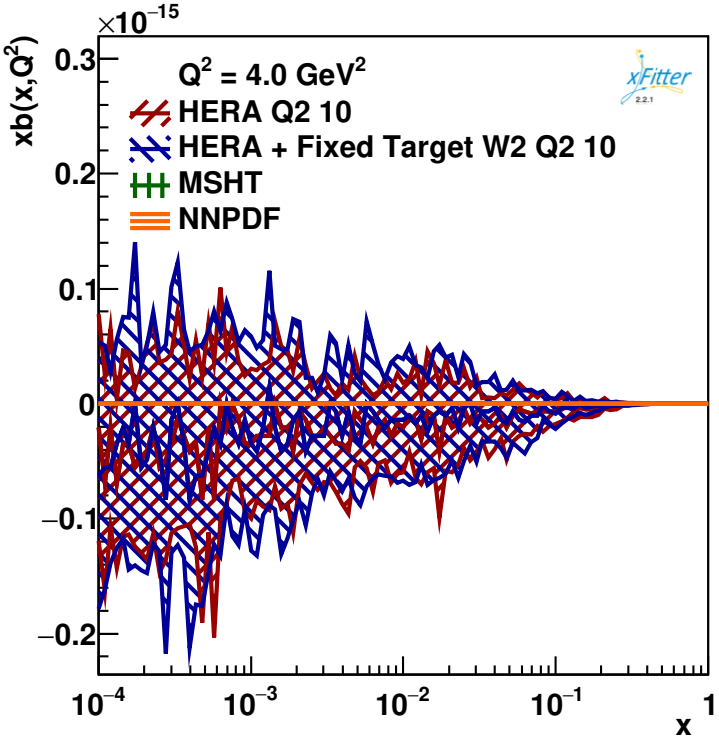

Q^2 = 4.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$xs(x,Q^2)$
x

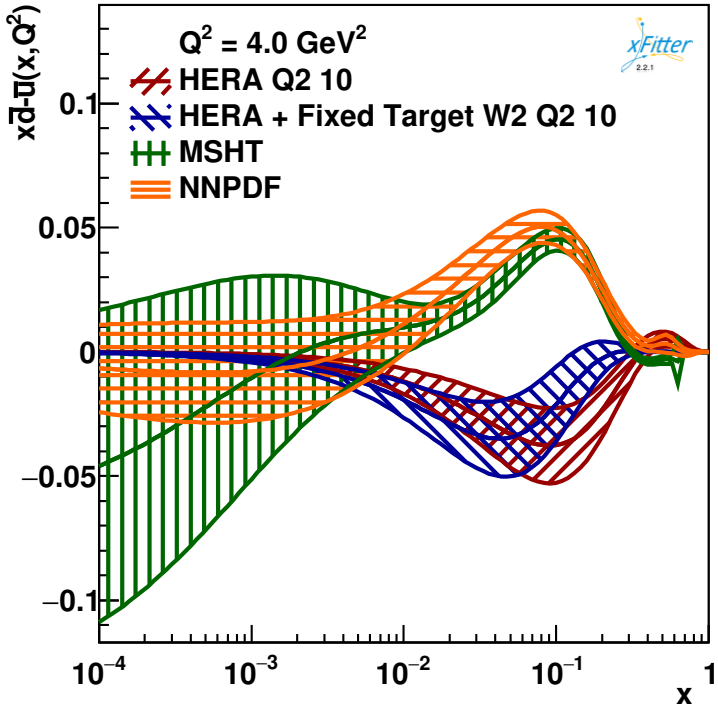

Q^2 = 4.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$x\bar{s}(x,Q^2)$
x

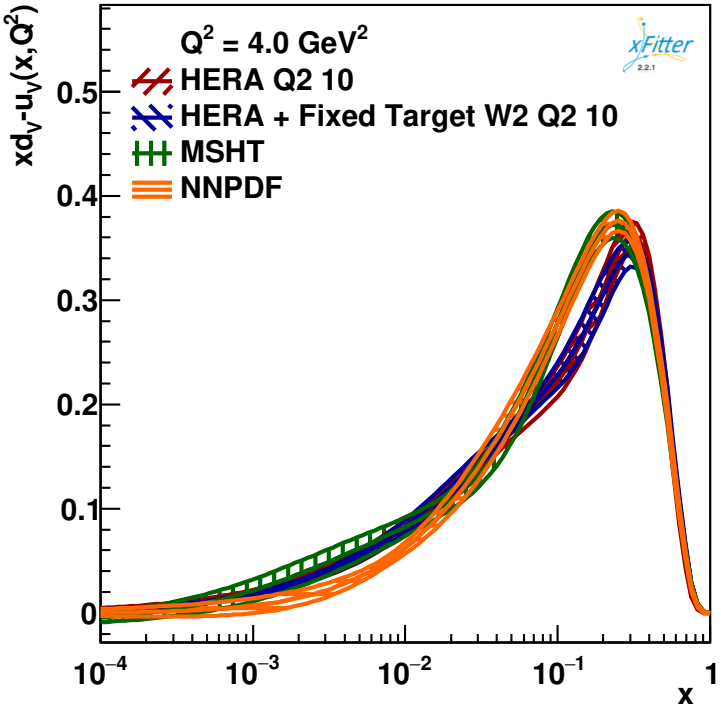

Q^2 = 4.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$x(s+\bar{s})/(\bar{u}+\bar{d})(x,Q^2)$
x

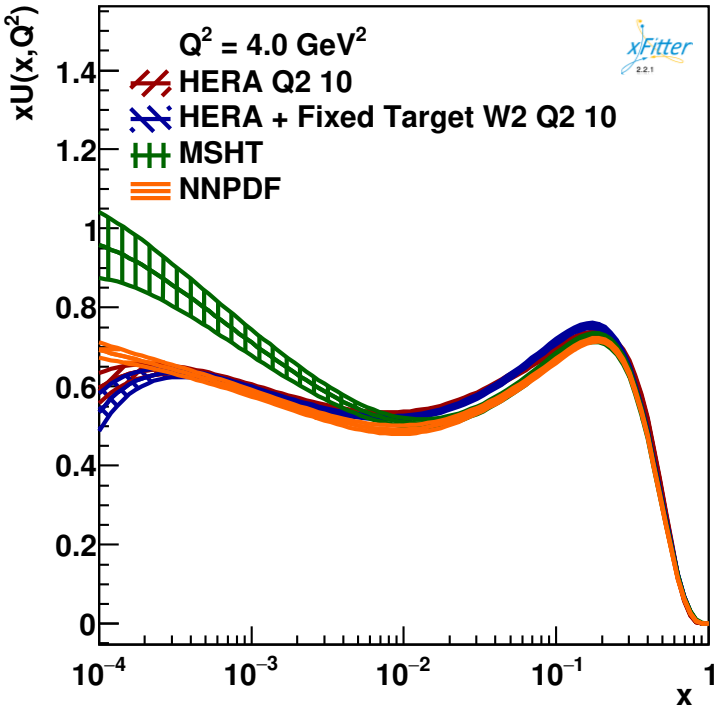

Q^2 = 4.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$xs/\bar{s}(x,Q^2)$
x

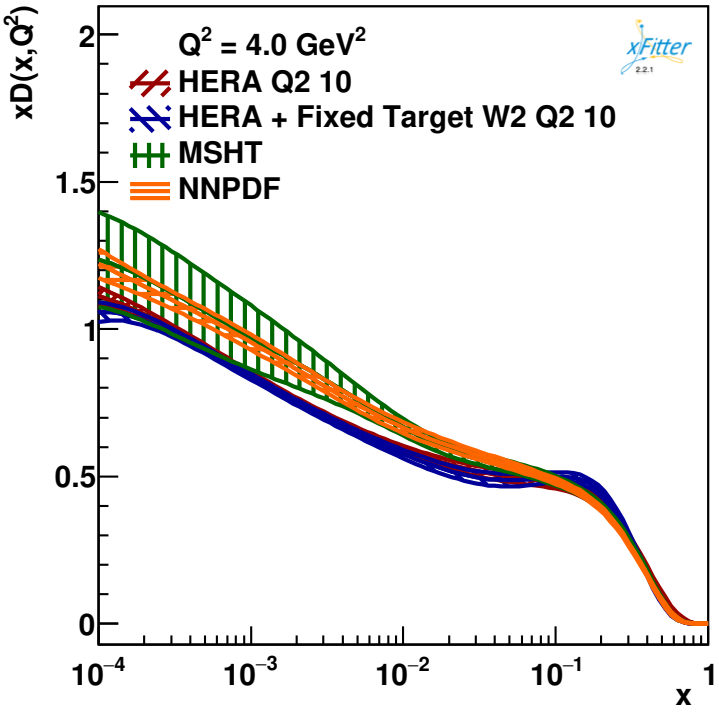

xc(x,Q²)
Q² = 4.0 GeV²
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
0.5
0.4
0.3
0.2
0.1
0
−0.1
10⁻⁴
10⁻³
10⁻²
10⁻¹
1
x

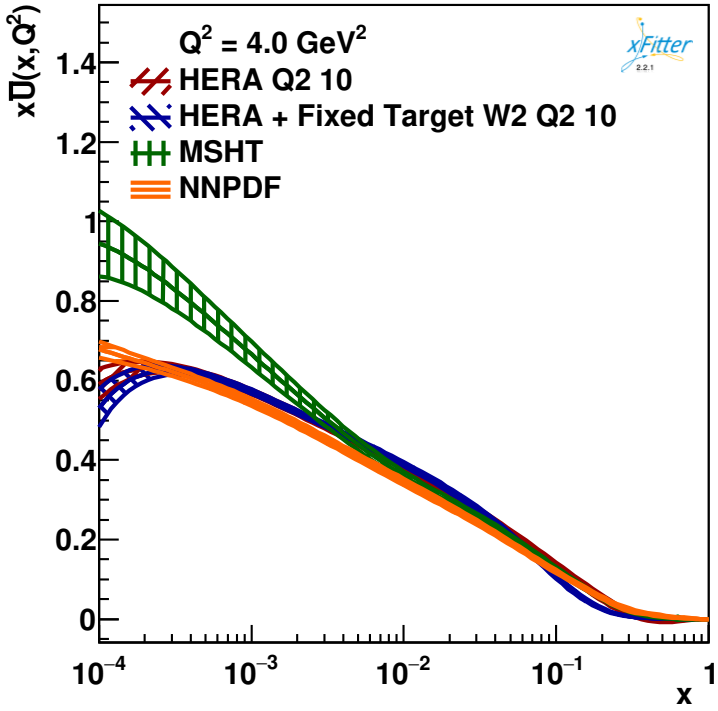

×10⁻¹⁵
xb(x,Q²)
Q² = 4.0 GeV²
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
0.3
0.2
0.1
0
−0.1
−0.2
10⁻⁴
10⁻³
10⁻²
10⁻¹
1
x

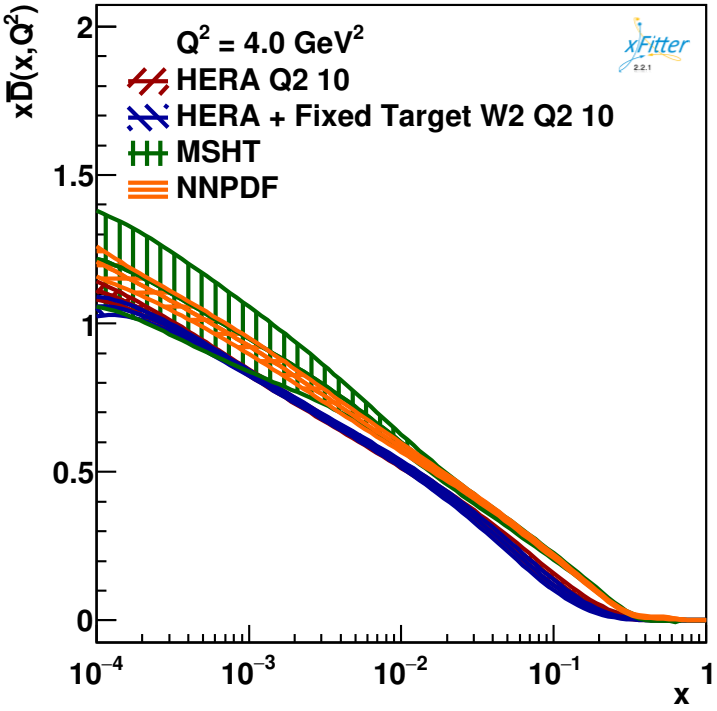

xd̄-ū(x,Q²)
Q² = 4.0 GeV²
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
0.1
0.05
0
−0.05
−0.1
10⁻⁴
10⁻³
10⁻²
10⁻¹
1
x

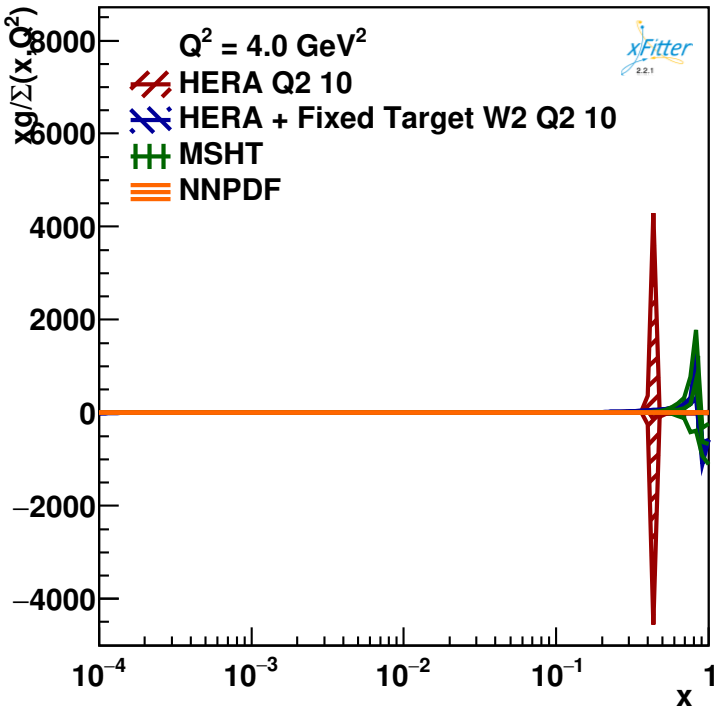

xd_V-u_V(x,Q²)
Q² = 4.0 GeV²
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
0.5
0.4
0.3
0.2
0.1
0
10⁻⁴
10⁻³
10⁻²
10⁻¹
1
x

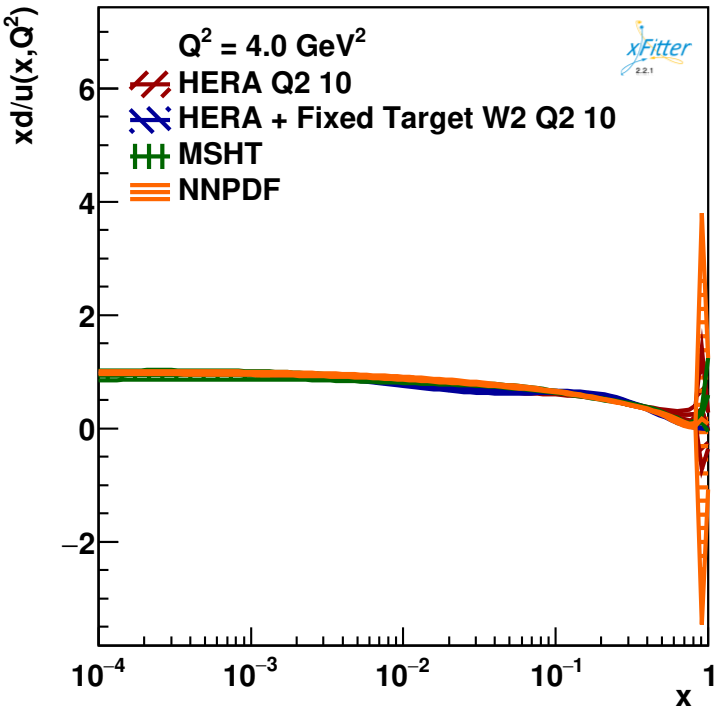

Q^2 = 4.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$xU(x,Q^2)$
x

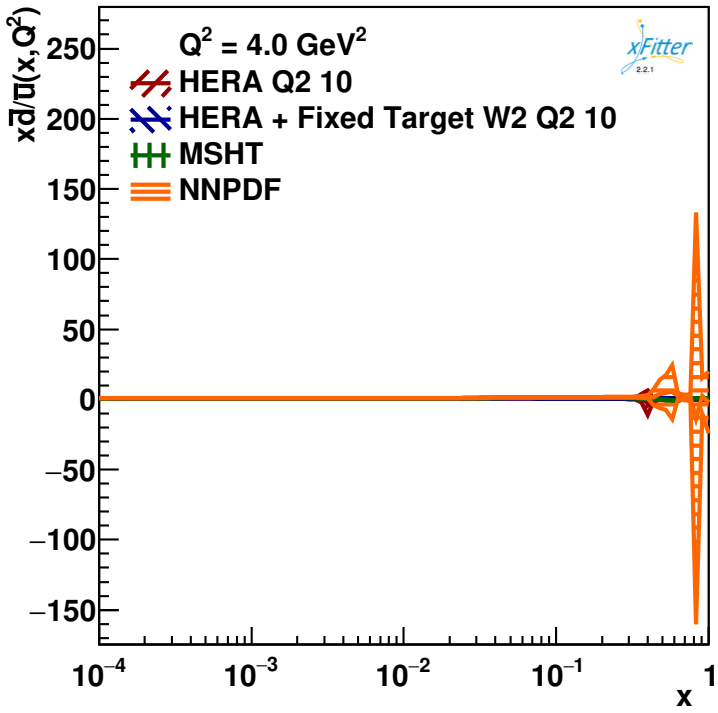

Q^2 = 4.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$xD(x,Q^2)$
x

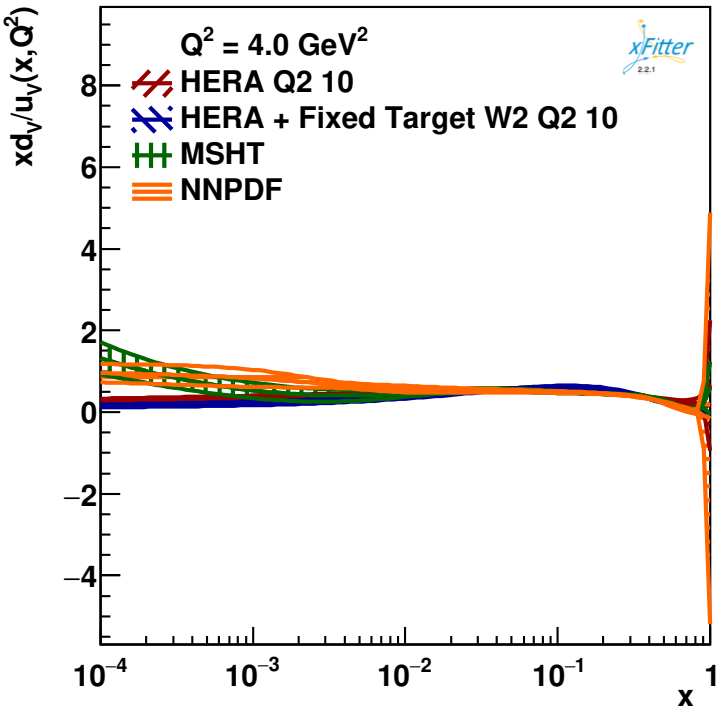

Q^2 = 4.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$x\bar{U}(x,Q^2)$
x

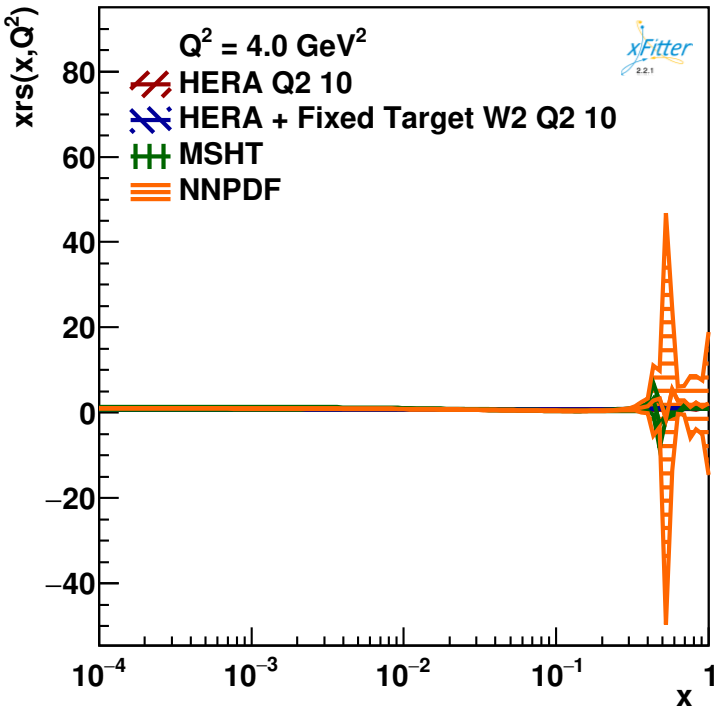

Q^2 = 4.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$x\bar{D}(x,Q^2)$
x

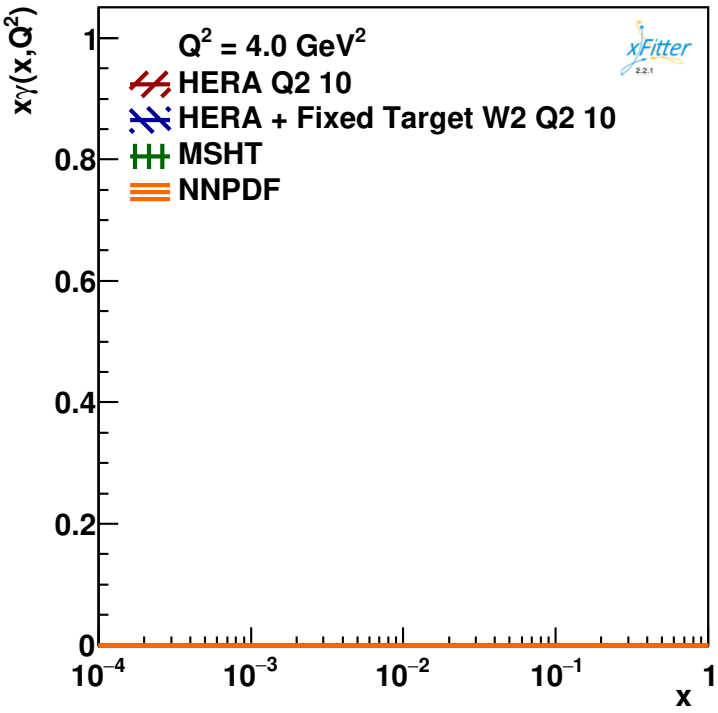

Q^2 = 4.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$xg/\Sigma(x,Q^2)$
8000
6000
4000
2000
0
−2000
−4000
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x

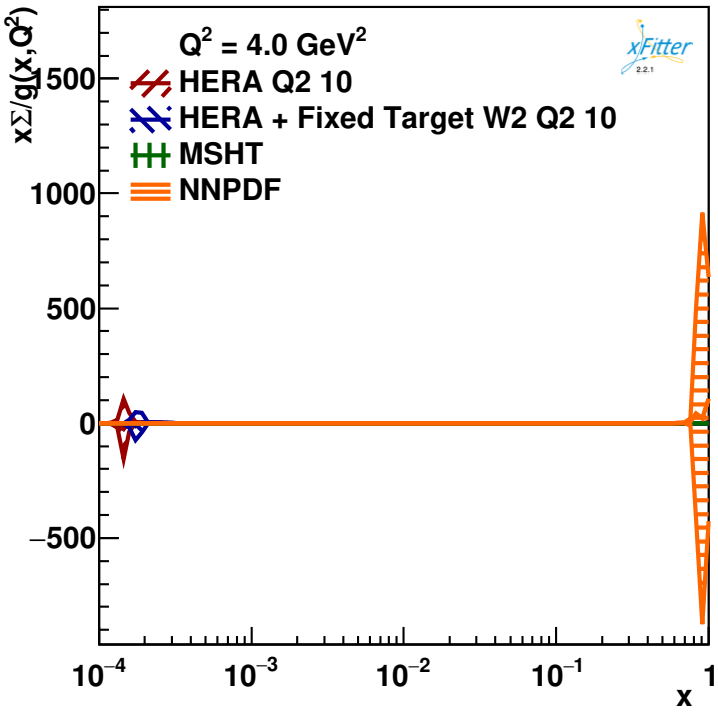

Q^2 = 4.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$xd/u(x,Q^2)$
6
4
2
0
−2
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x

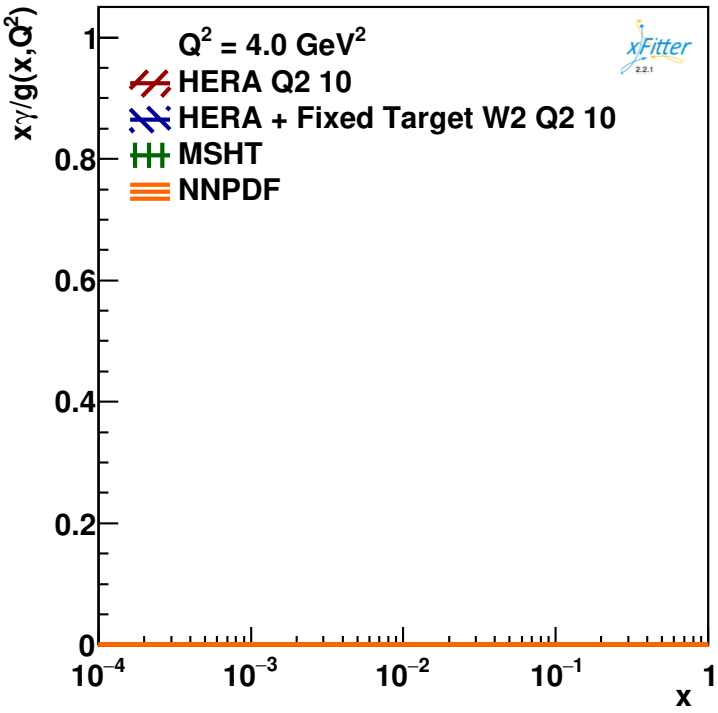

Q^2 = 4.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$x\bar{d}/\bar{u}(x,Q^2)$
250
200
150
100
50
0
−50
−100
−150
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x

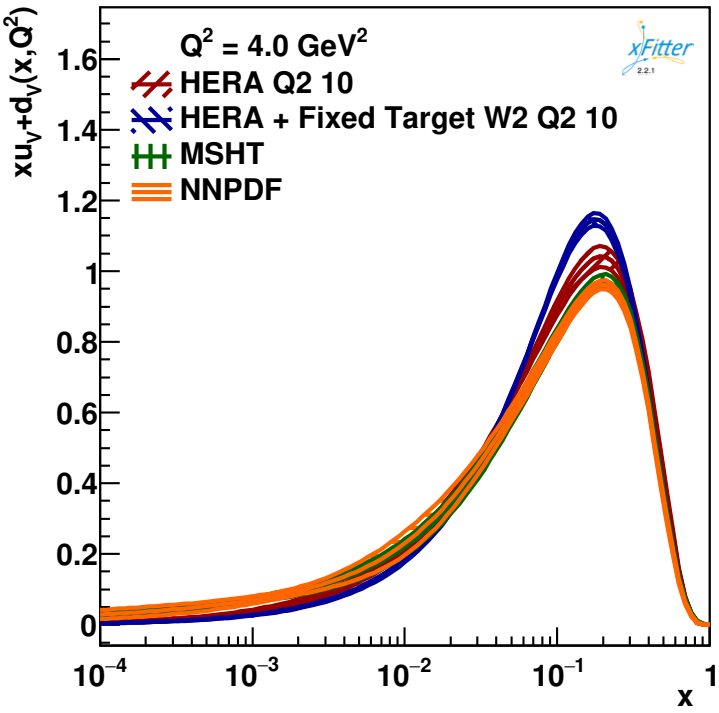

Q^2 = 4.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$xd_V/u_V(x,Q^2)$
8
6
4
2
0
−2
−4
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x

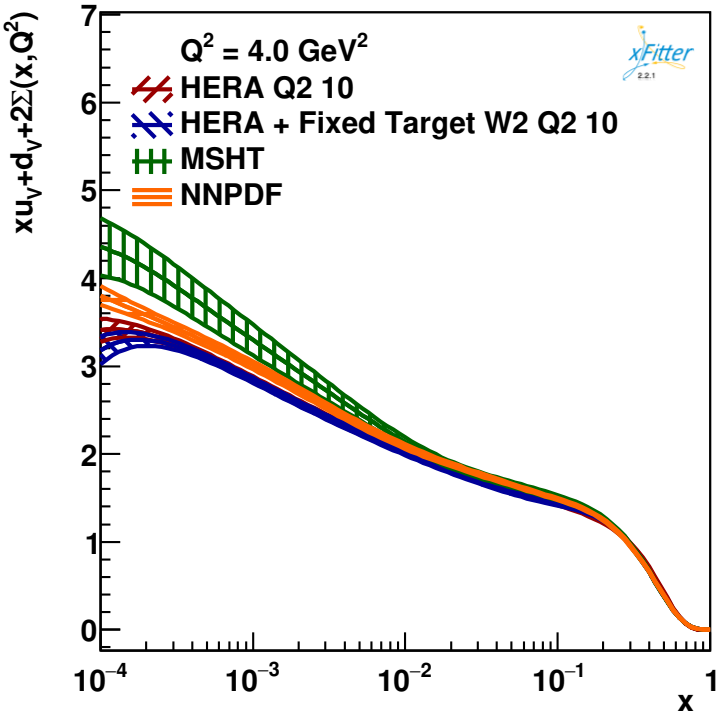

xrs(x,Q²)
Q² = 4.0 GeV²
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter
80
60
40
20
0
−20
−40
10⁻⁴
10⁻³
10⁻²
10⁻¹
1
x

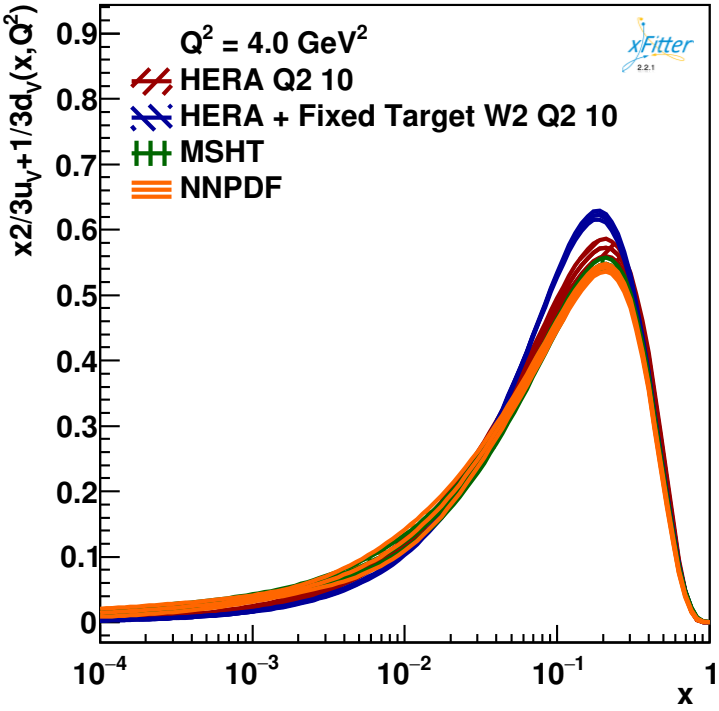

xγ(x,Q²)
Q² = 4.0 GeV²
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter
1
0.8
0.6
0.4
0.2
0
10⁻⁴
10⁻³
10⁻²
10⁻¹
1
x

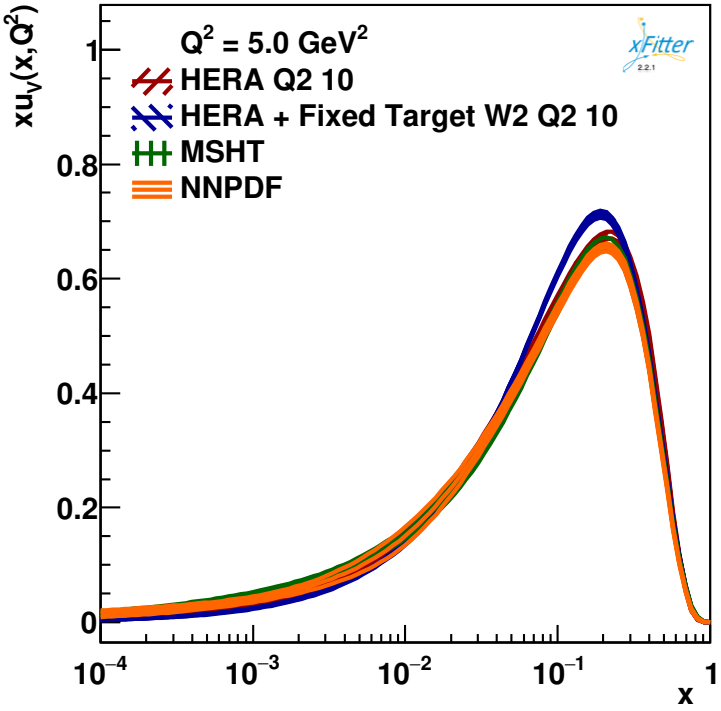

xΣ/g(x,Q²)
Q² = 4.0 GeV²
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter
1500
1000
500
0
−500
10⁻⁴
10⁻³
10⁻²
10⁻¹
1
x

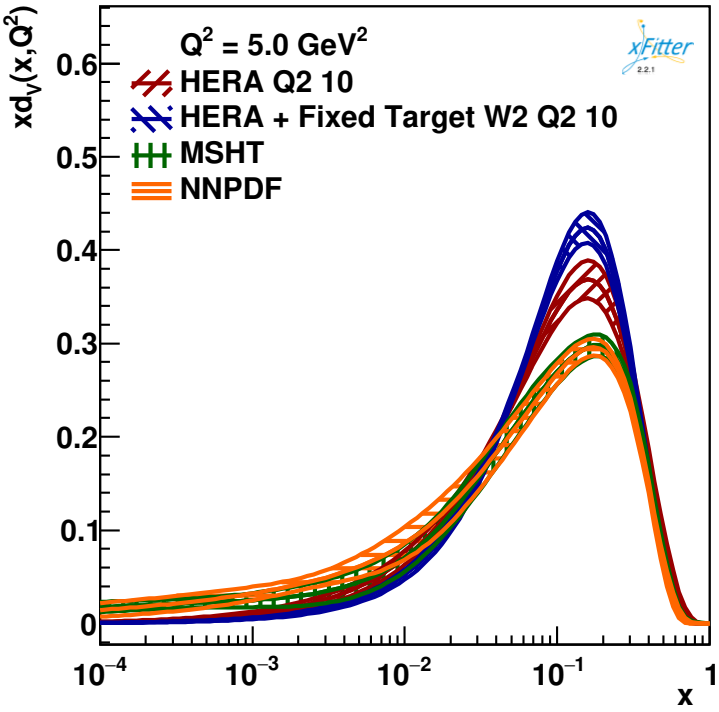

xγ/g(x,Q²)
Q² = 4.0 GeV²
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter
1
0.8
0.6
0.4
0.2
0
10⁻⁴
10⁻³
10⁻²
10⁻¹
1
x

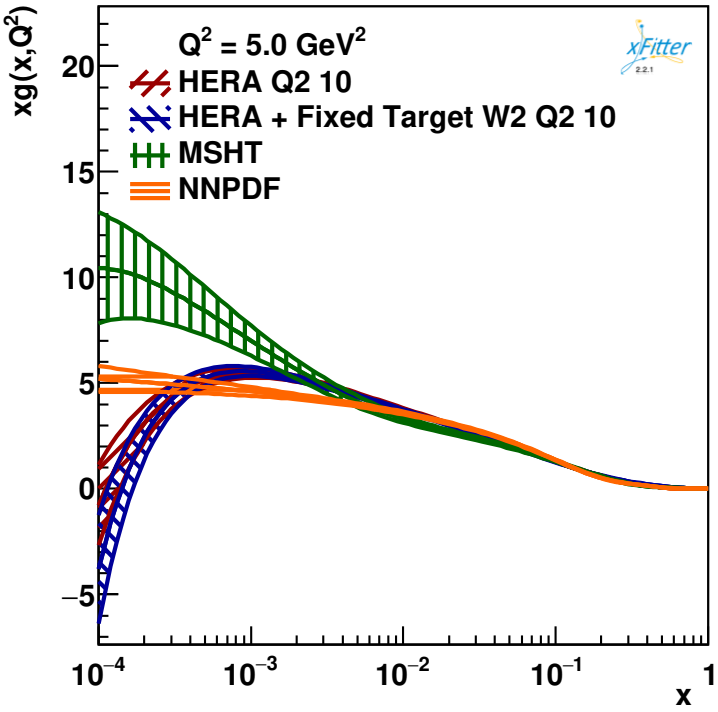

Q^2 = 4.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$xu_V+d_V(x,Q^2)$
x

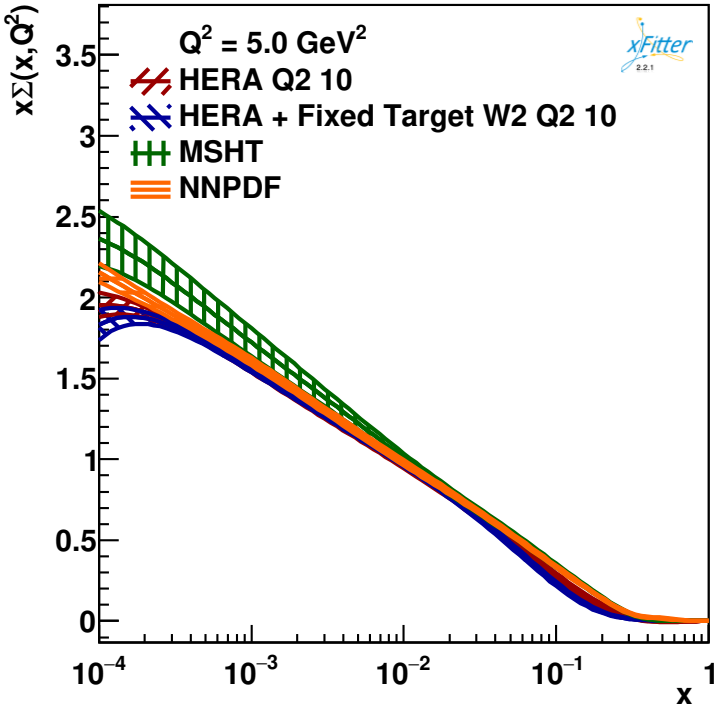

Q^2 = 4.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$xu_V+d_V+2\Sigma(x,Q^2)$
x

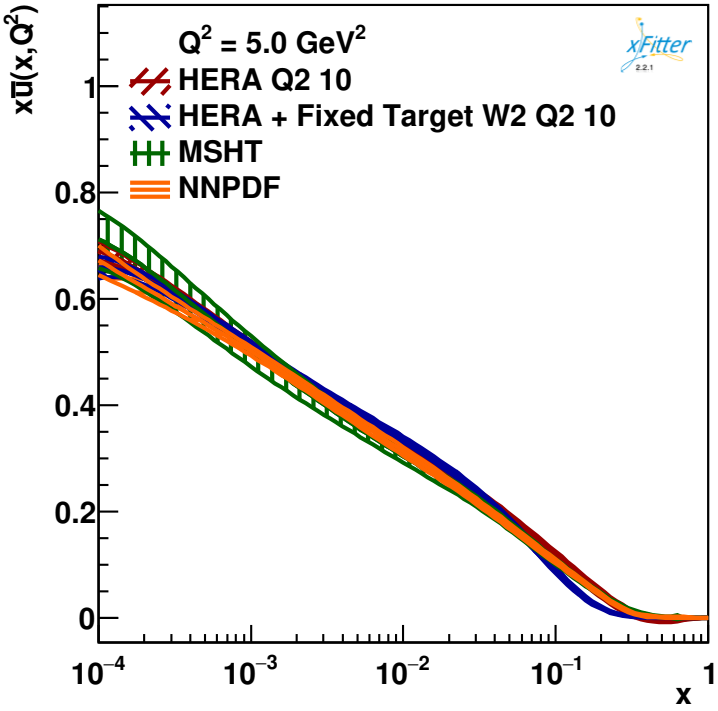

Q^2 = 4.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$x2/3u_V+1/3d_V(x,Q^2)$
x

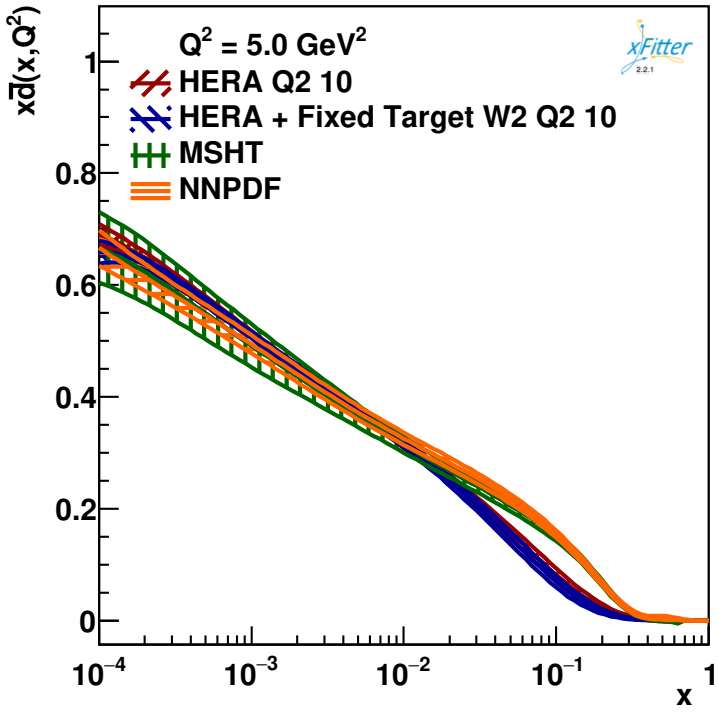

Q^2 = 5.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$xu_V(x,Q^2)$
x

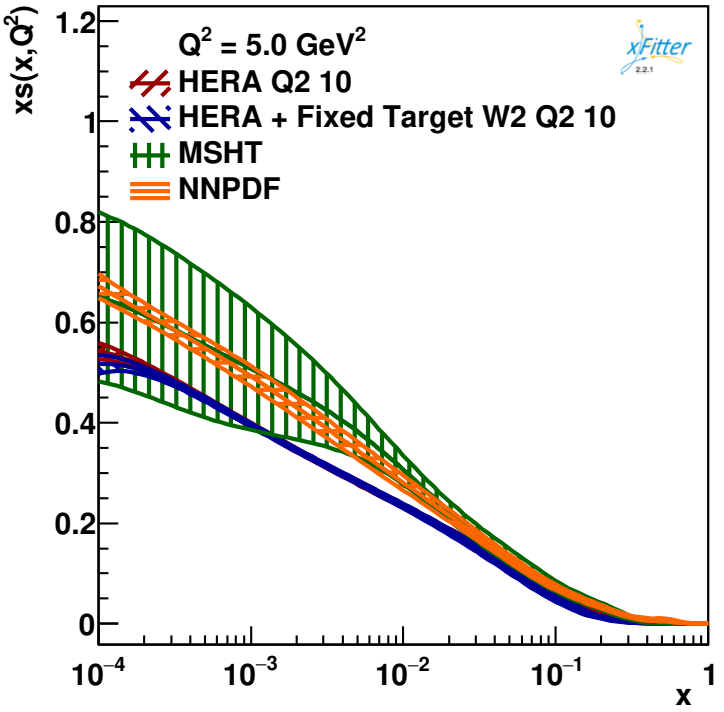

$xd_V(x,Q^2)$
Q^2 = 5.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
0.6
0.5
0.4
0.3
0.2
0.1
0
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x

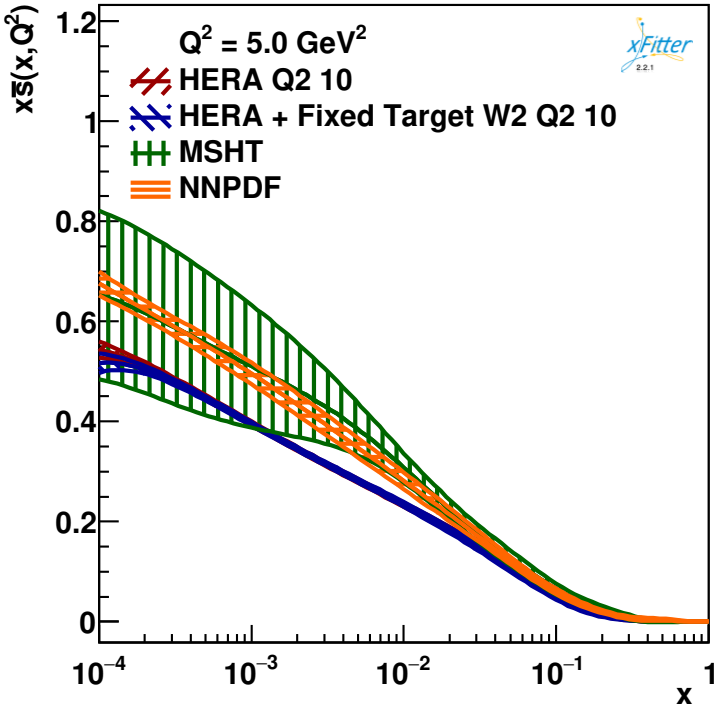

$xg(x,Q^2)$
Q^2 = 5.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
20
15
10
5
0
−5
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x

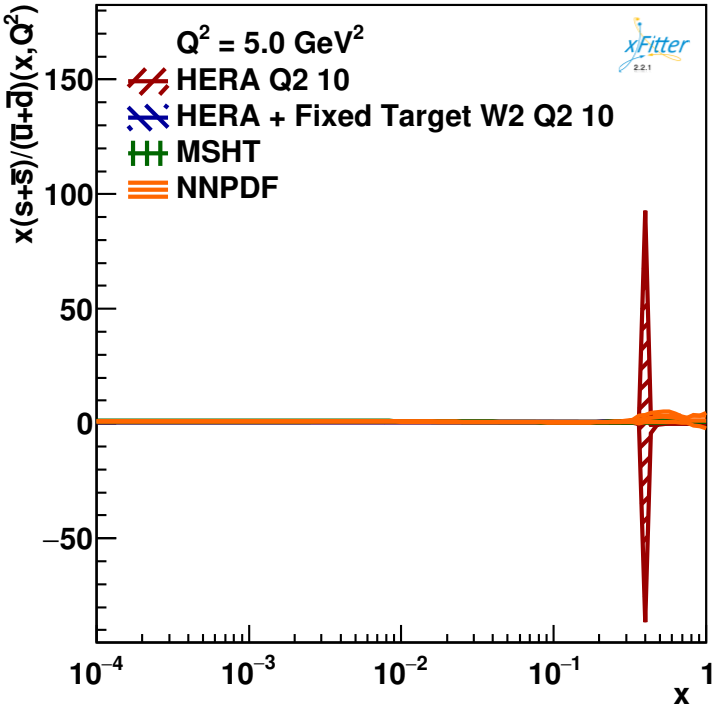

$x\Sigma(x,Q^2)$
Q^2 = 5.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
3.5
3
2.5
2
1.5
1
0.5
0
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x

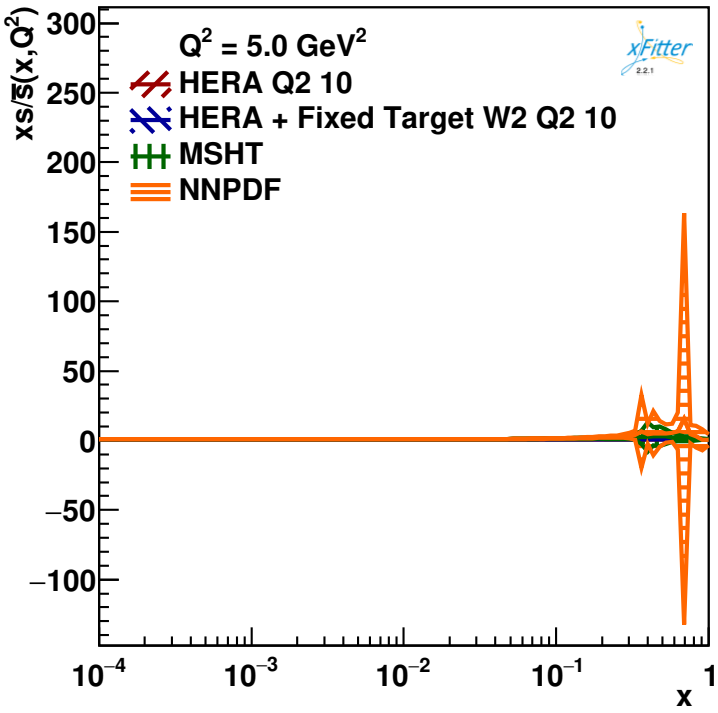

$x\bar{u}(x,Q^2)$
Q^2 = 5.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
1
0.8
0.6
0.4
0.2
0
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x

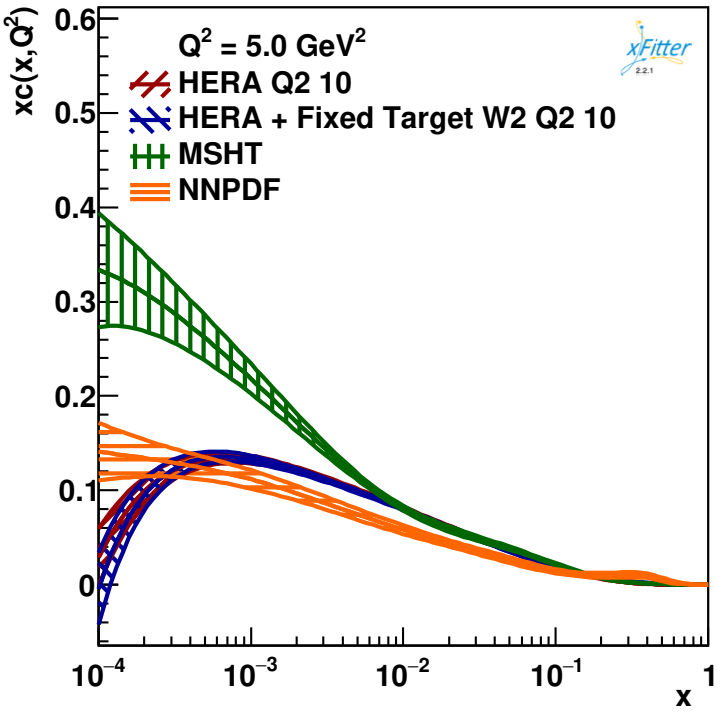

Q^2 = 5.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$x\bar{d}(x,Q^2)$
x

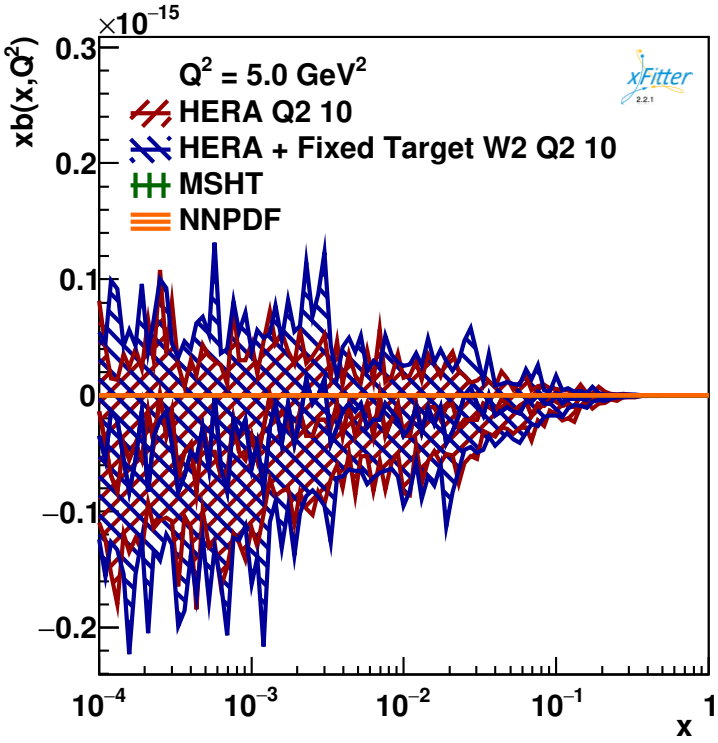

Q^2 = 5.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$xs(x,Q^2)$
x

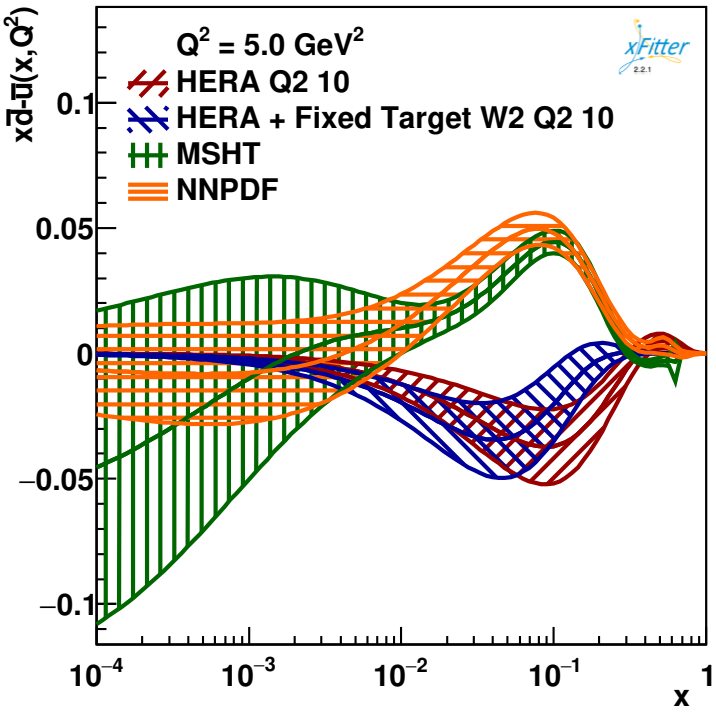

Q^2 = 5.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$x\bar{s}(x,Q^2)$
x

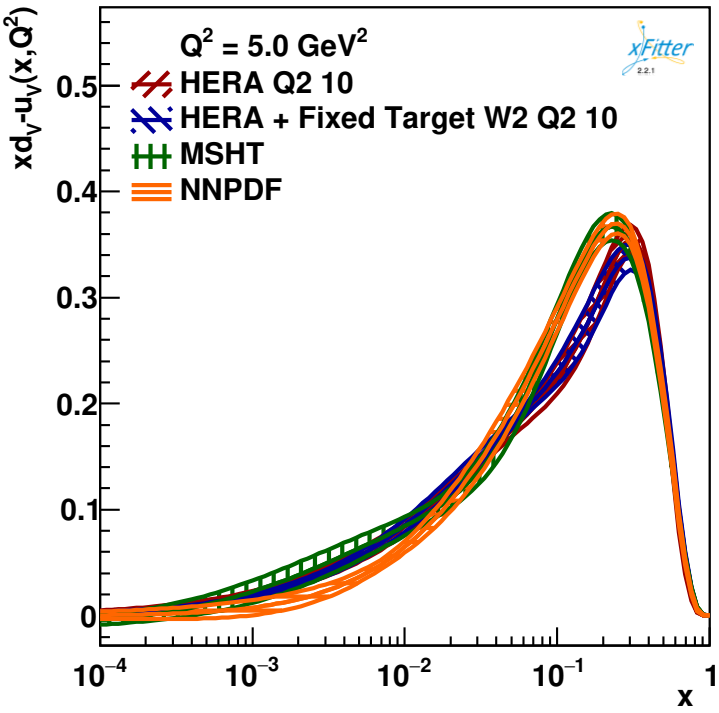

Q^2 = 5.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$x(s+\bar{s})/(\bar{u}+\bar{d})(x,Q^2)$
x

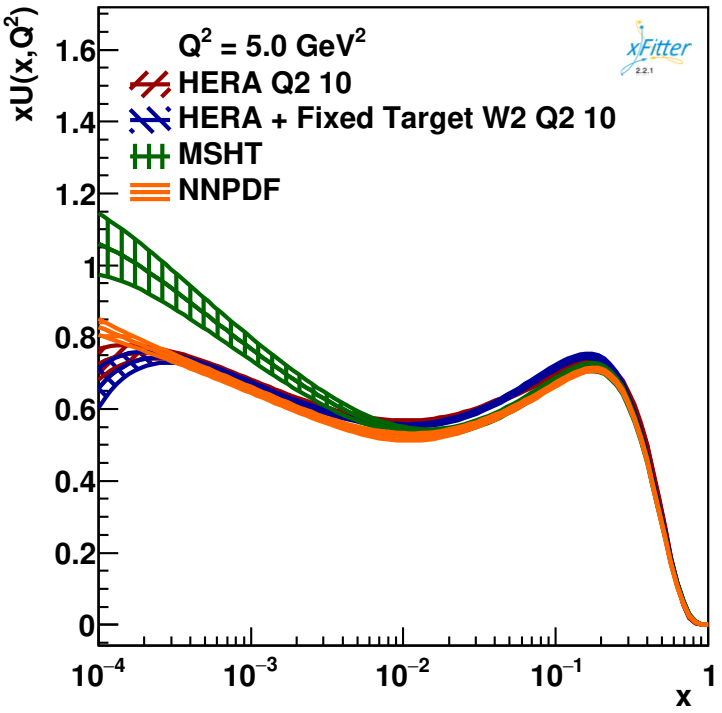

xs/s̄(x,Q²)
Q² = 5.0 GeV²
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter
x

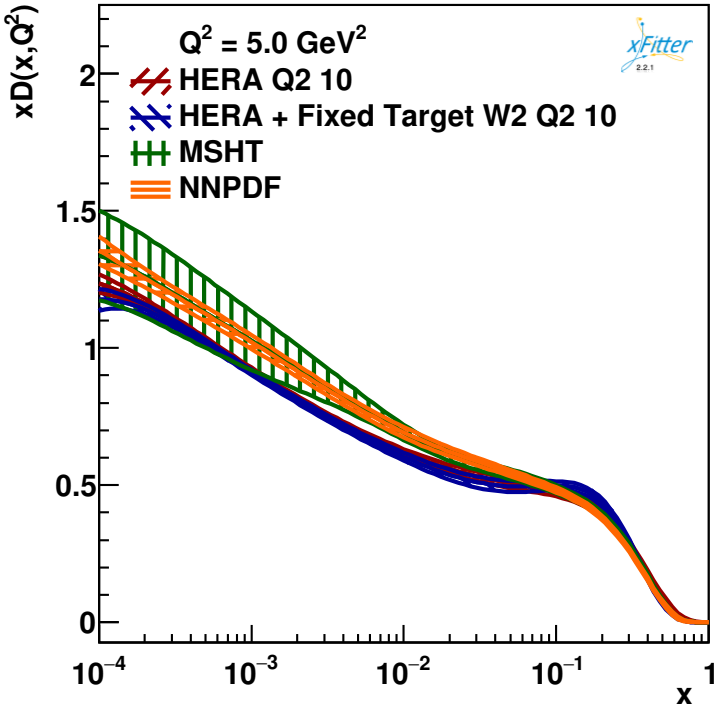

xc(x,Q²)
Q² = 5.0 GeV²
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter
x

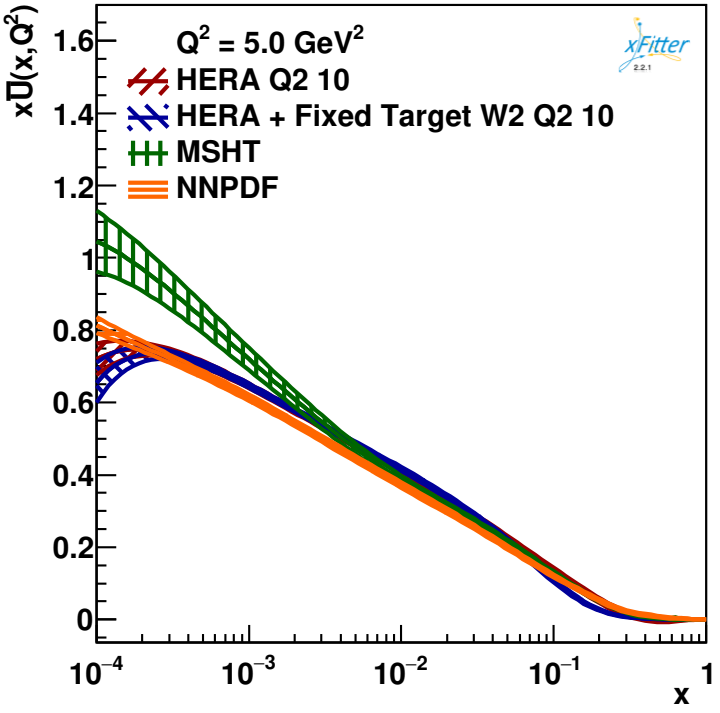

×10⁻¹⁵
xb(x,Q²)
Q² = 5.0 GeV²
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter
x

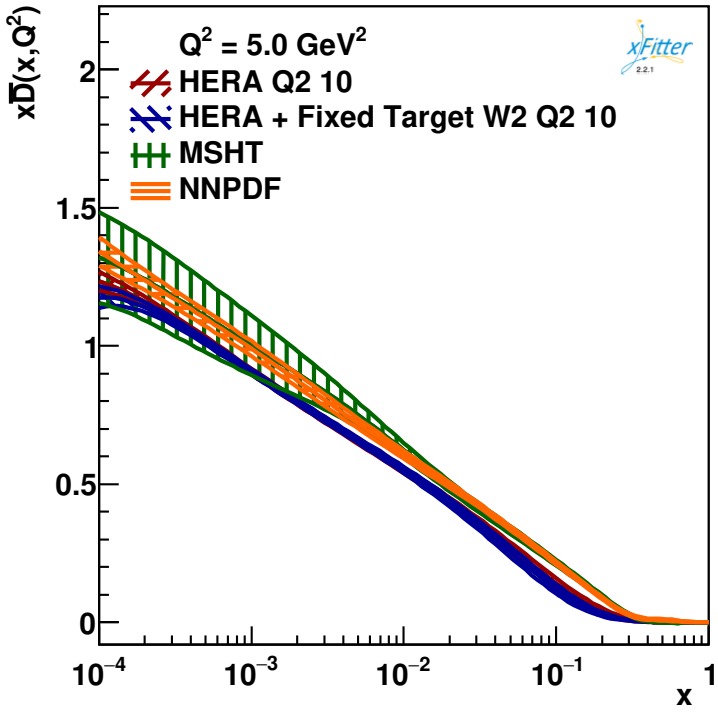

xd̄-ū(x,Q²)
Q² = 5.0 GeV²
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter
x

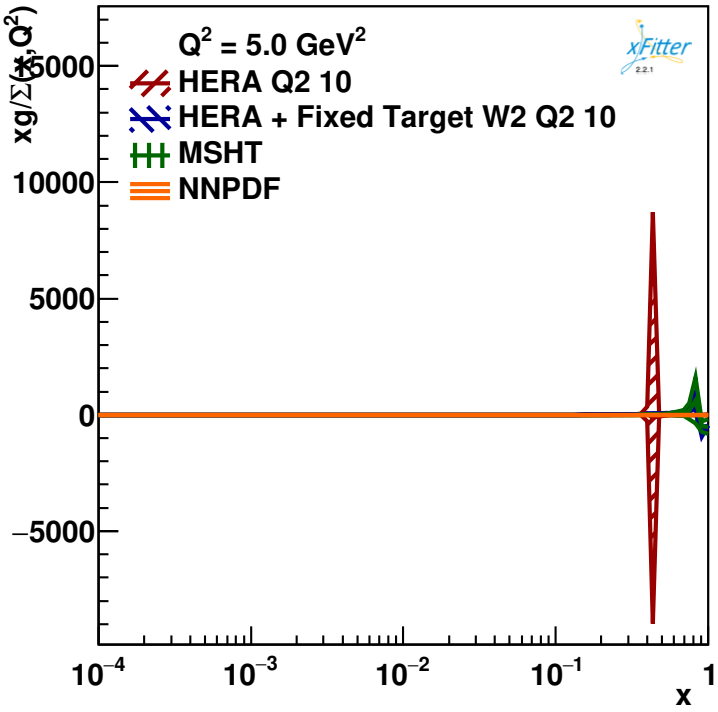

$xd_V\text{-}u_V(x,Q^2)$
Q^2 = 5.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
0.5
0.4
0.3
0.2
0.1
0
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x

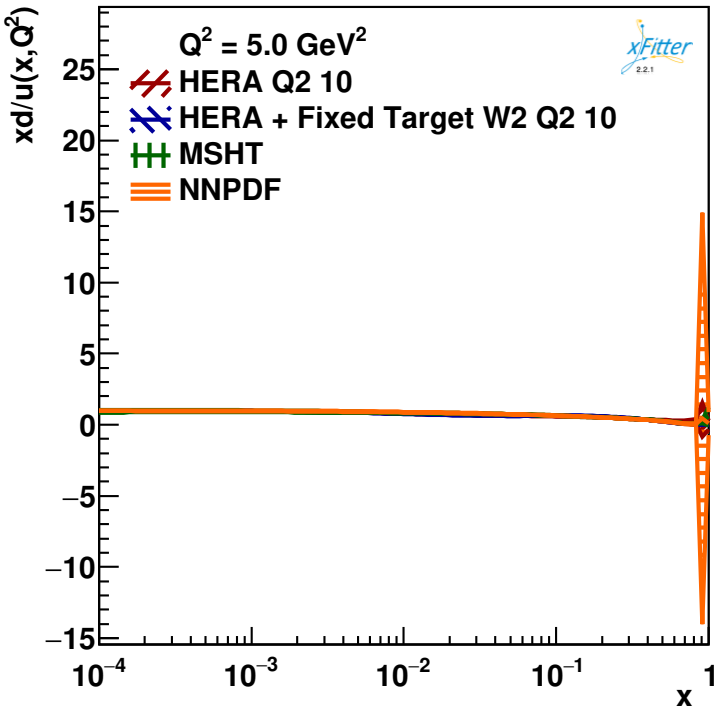

$xU(x,Q^2)$
Q^2 = 5.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x

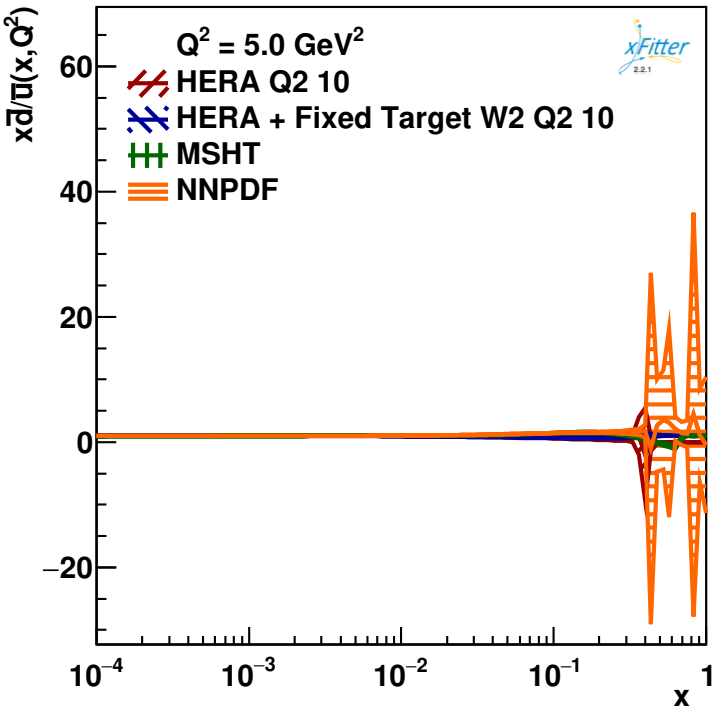

$xD(x,Q^2)$
Q^2 = 5.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
2
1.5
1
0.5
0
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x

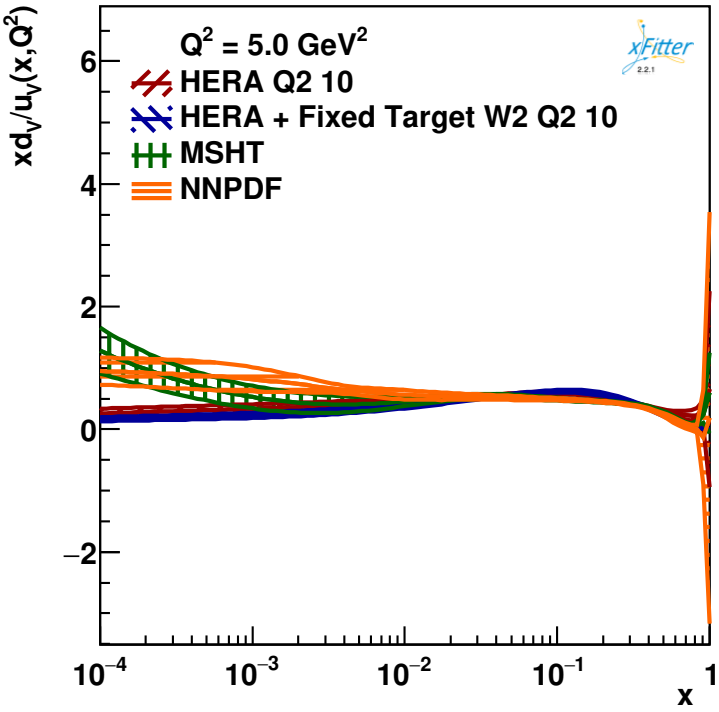

$x\bar{U}(x,Q^2)$
Q^2 = 5.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x

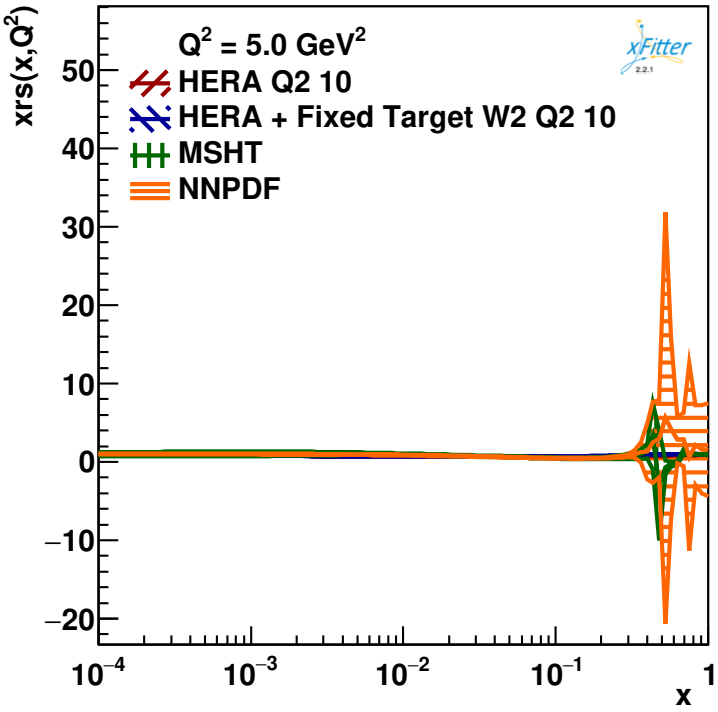

Q^2 = 5.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$x\bar{D}(x,Q^2)$
x

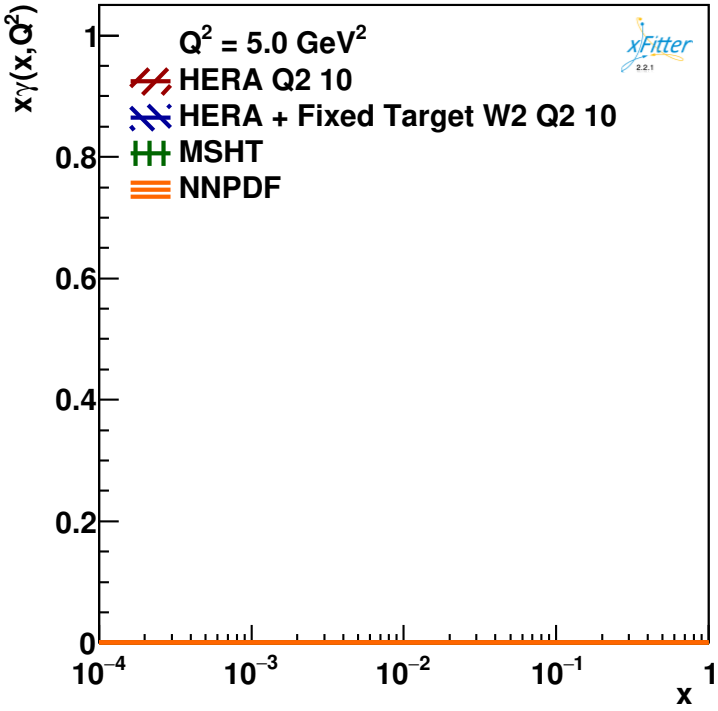

Q^2 = 5.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$xg/\Sigma(x,Q^2)$
x

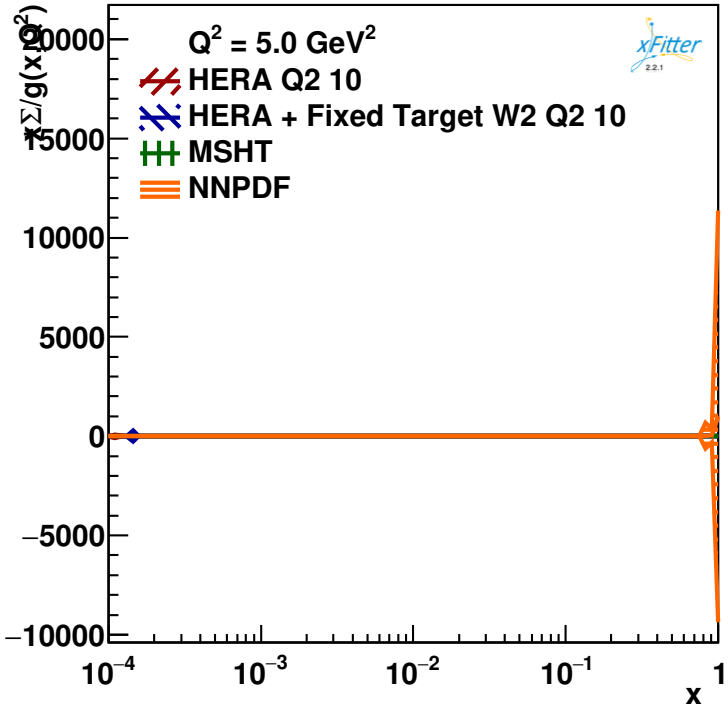

Q^2 = 5.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$xd/u(x,Q^2)$
x

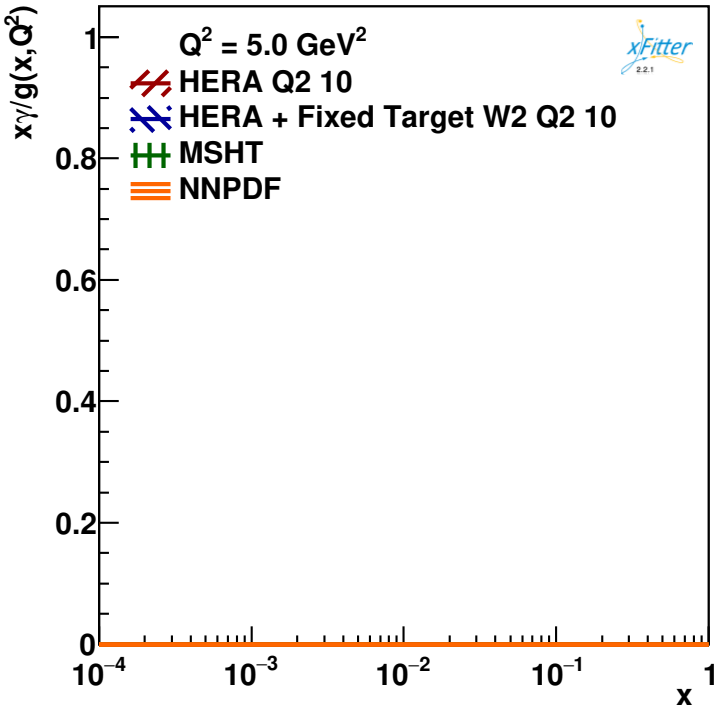

Q^2 = 5.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$x\bar{d}/\bar{u}(x,Q^2)$
x

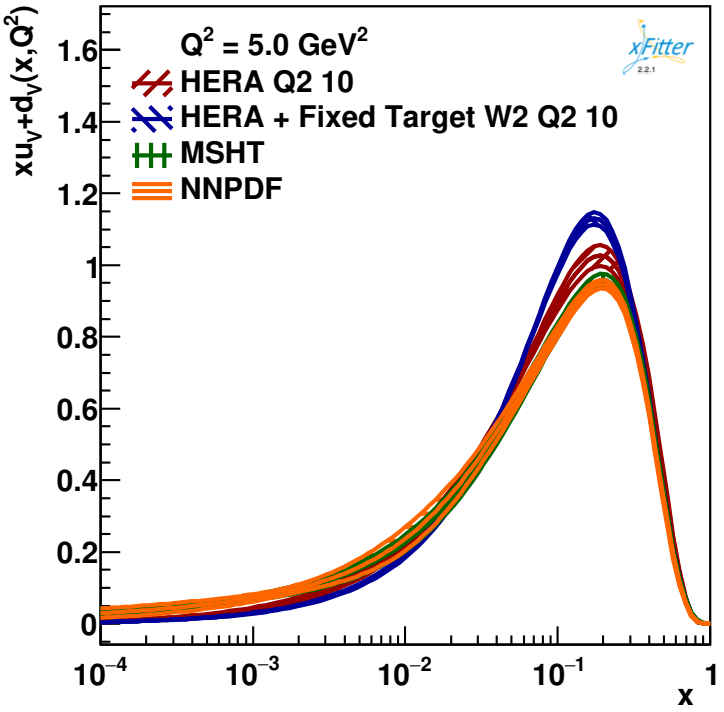

$xd_v/u_v(x,Q^2)$
Q^2 = 5.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
6
4
2
0
−2
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x

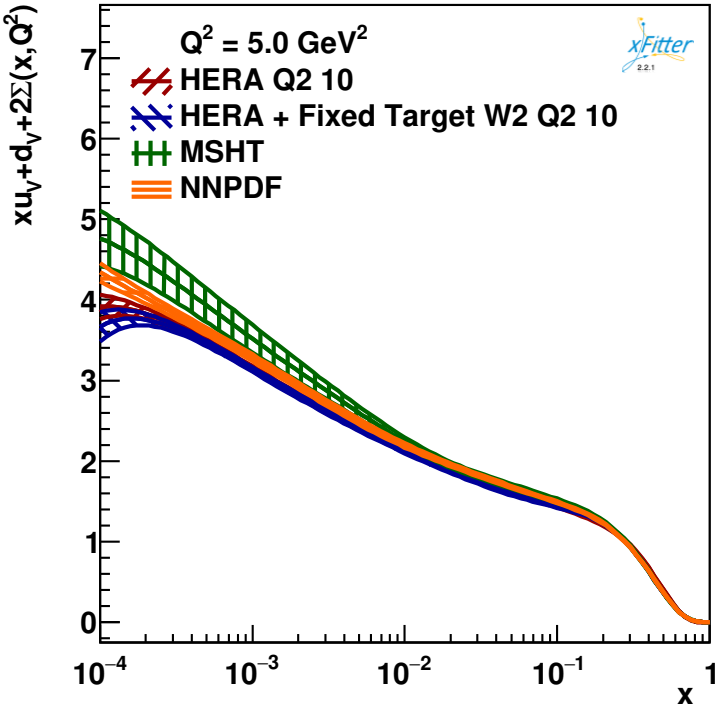

$xrs(x,Q^2)$
Q^2 = 5.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
50
40
30
20
10
0
−10
−20
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x

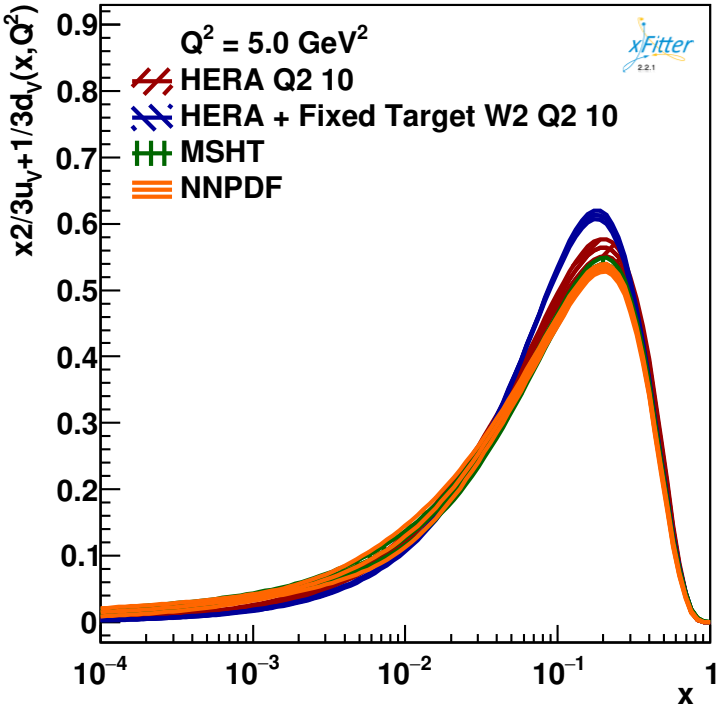

$x\gamma(x,Q^2)$
Q^2 = 5.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
1
0.8
0.6
0.4
0.2
0
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x

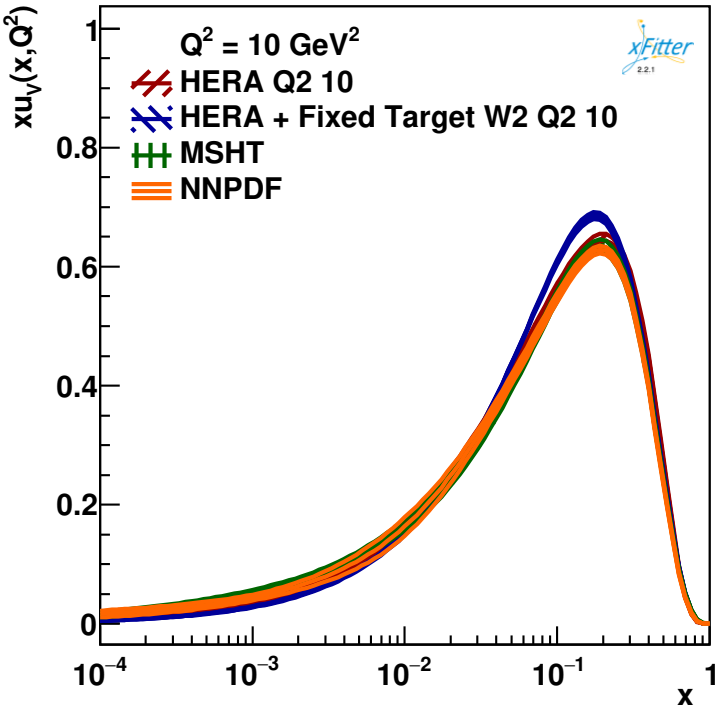

$x\Sigma/g(x,Q^2)$
Q^2 = 5.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
20000
15000
10000
5000
0
−5000
−10000
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x

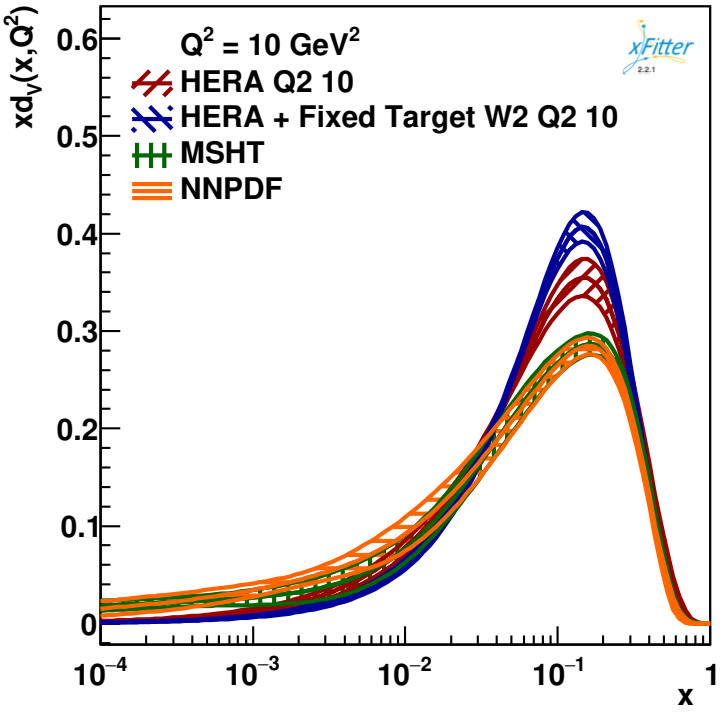

Q^2 = 5.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$x\gamma/g(x,Q^2)$
x

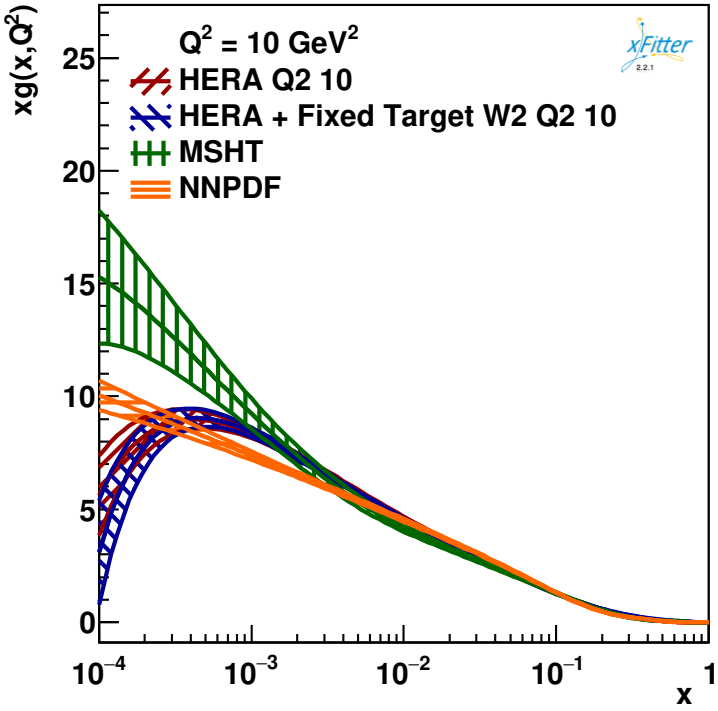

Q^2 = 5.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$xu_V+d_V(x,Q^2)$
x

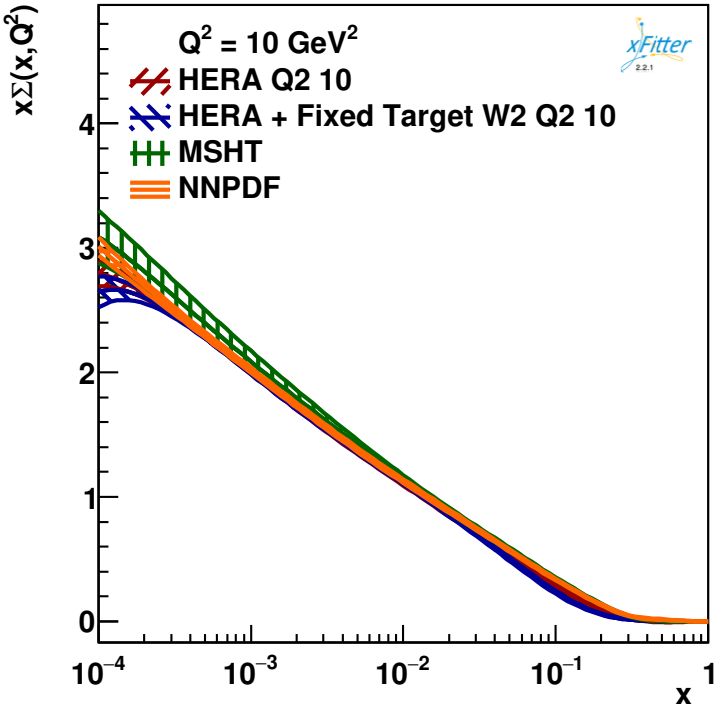

Q^2 = 5.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$xu_V+d_V+2\Sigma(x,Q^2)$
x

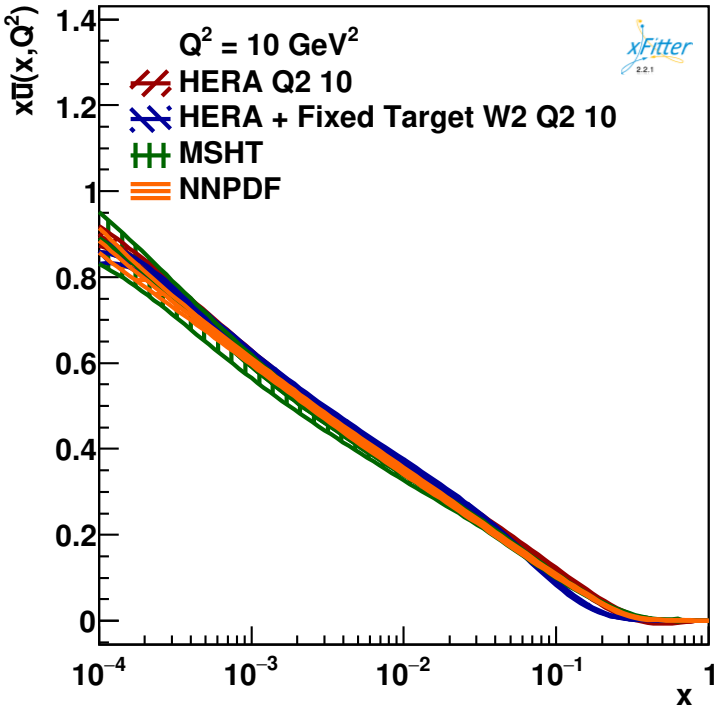

Q^2 = 5.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$x2/3u_V+1/3d_V(x,Q^2)$
x

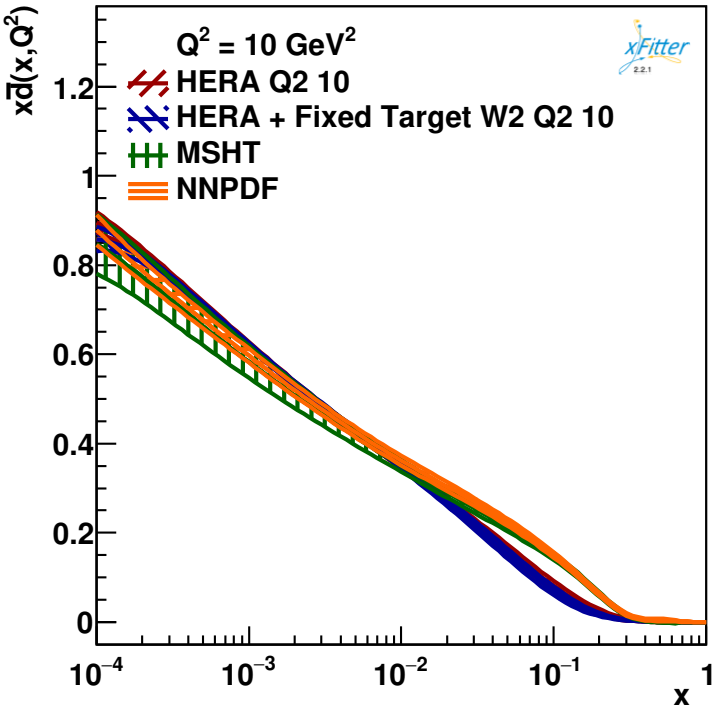

$xu_V(x,Q^2)$
Q^2 = 10 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter
x

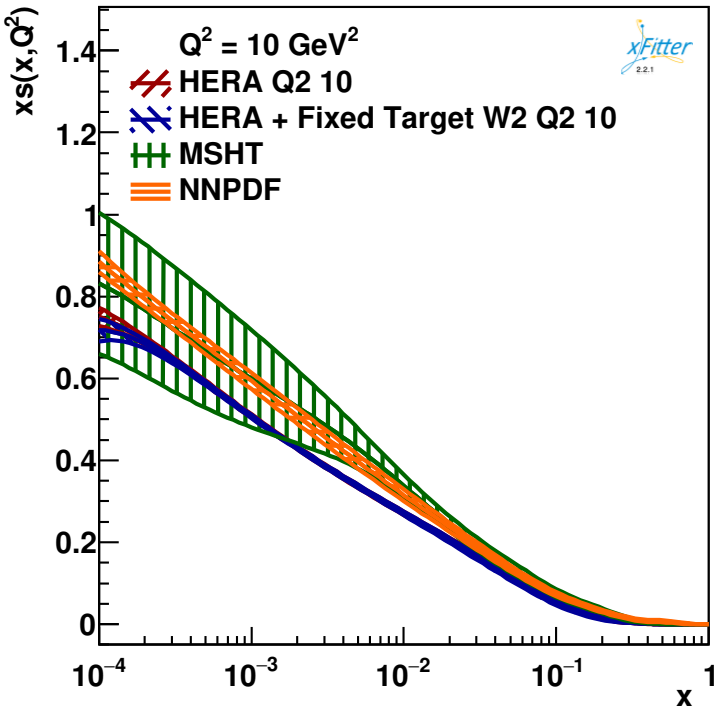

$xd_V(x,Q^2)$
Q^2 = 10 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter
x

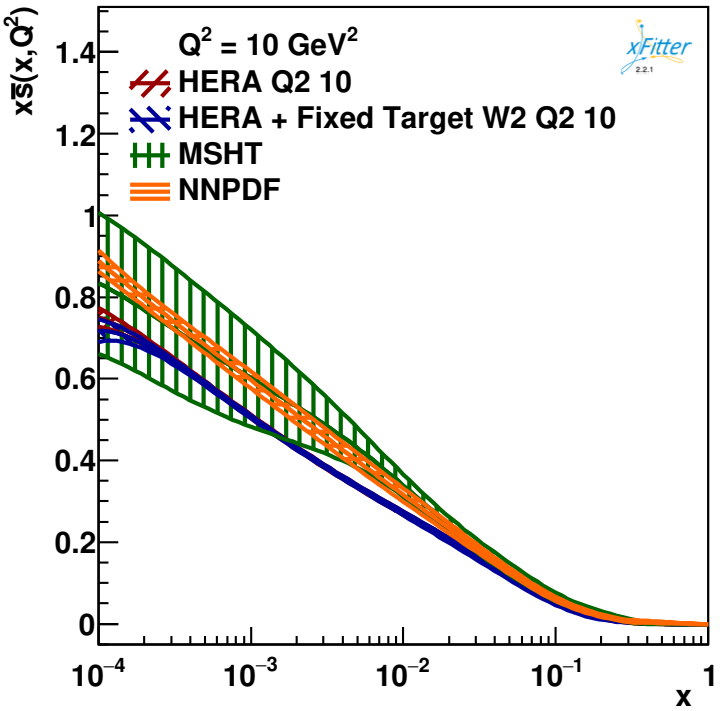

$xg(x,Q^2)$
Q^2 = 10 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter
x

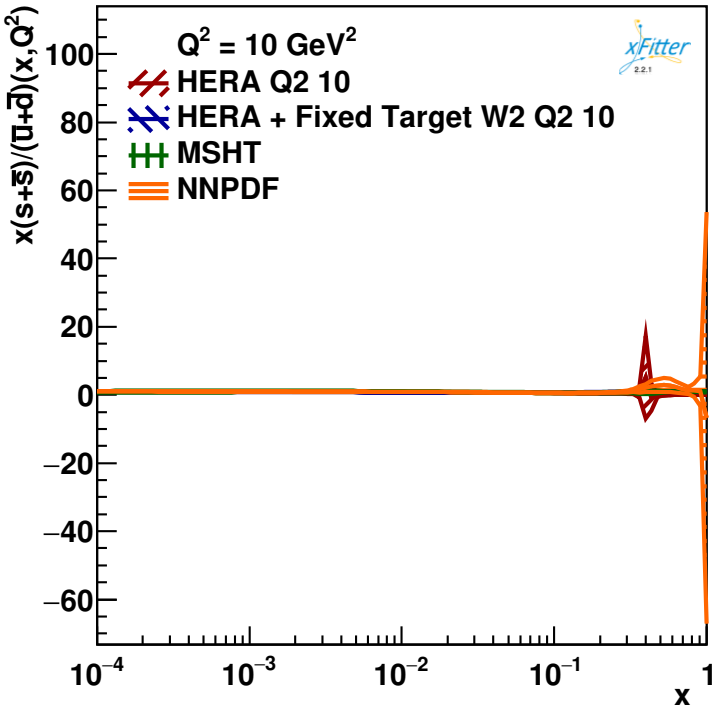

$x\Sigma(x,Q^2)$
Q^2 = 10 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter
x

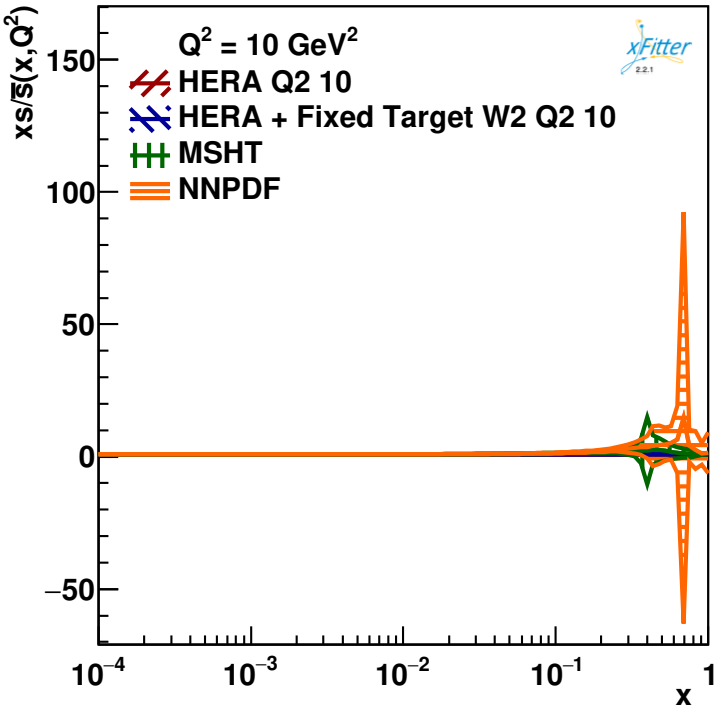

Q^2 = 10 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$x\bar{u}(x,Q^2)$
x

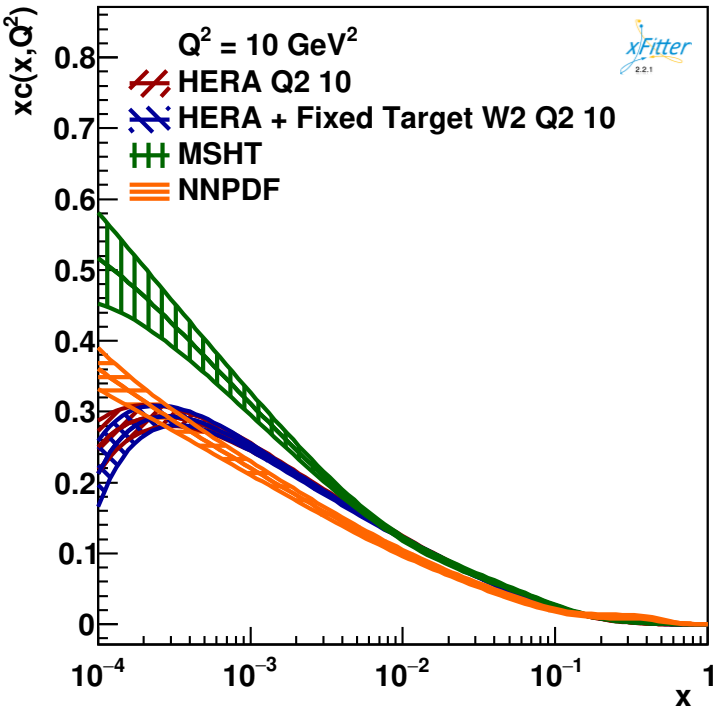

Q^2 = 10 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$x\bar{d}(x,Q^2)$
x

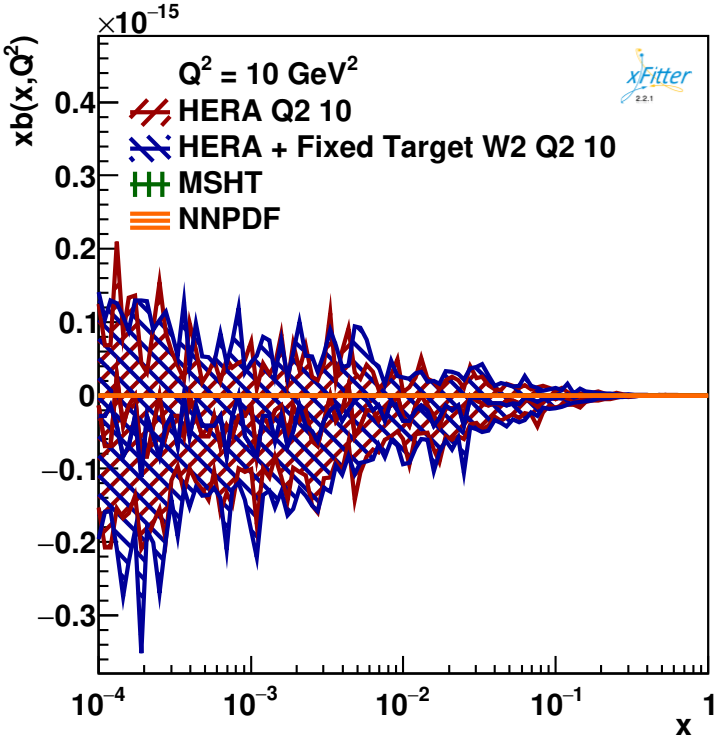

Q^2 = 10 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$xs(x,Q^2)$
x

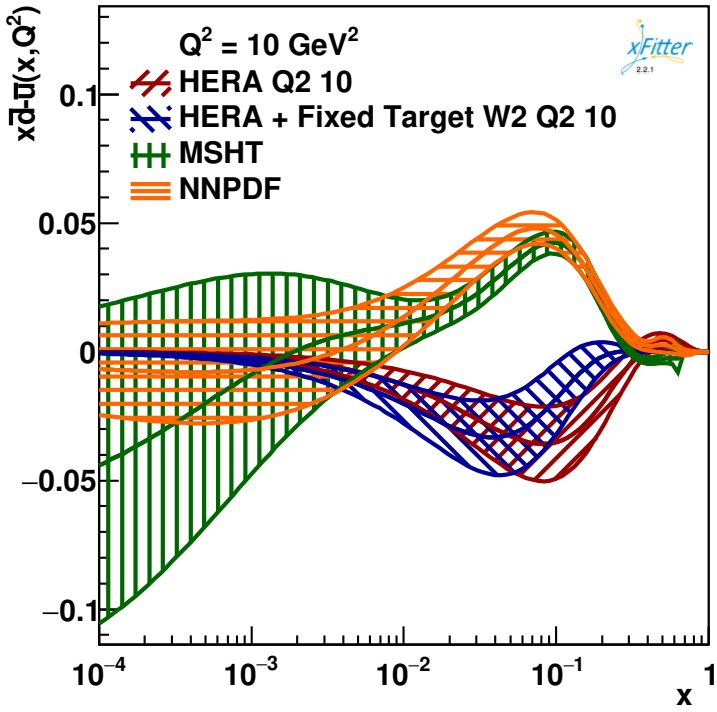

Q^2 = 10 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$x\bar{s}(x,Q^2)$
x

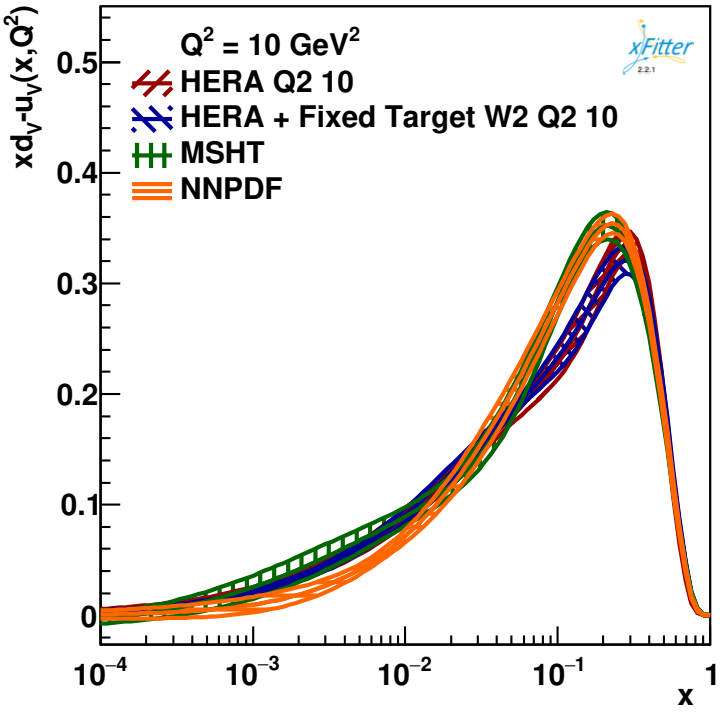

Q^2 = 10 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$x(s+\bar{s})/(\bar{u}+\bar{d})(x,Q^2)$
x

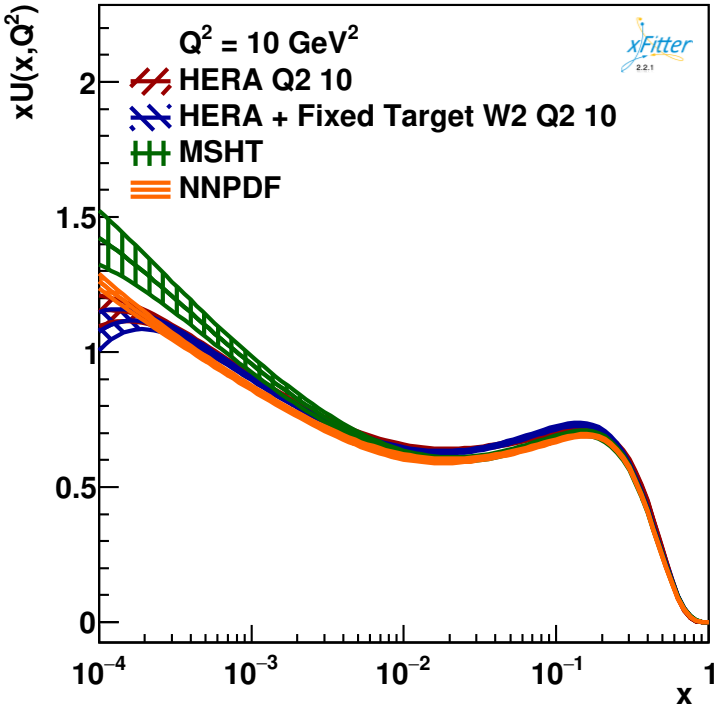

Q^2 = 10 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$xs/\bar{s}(x,Q^2)$
x

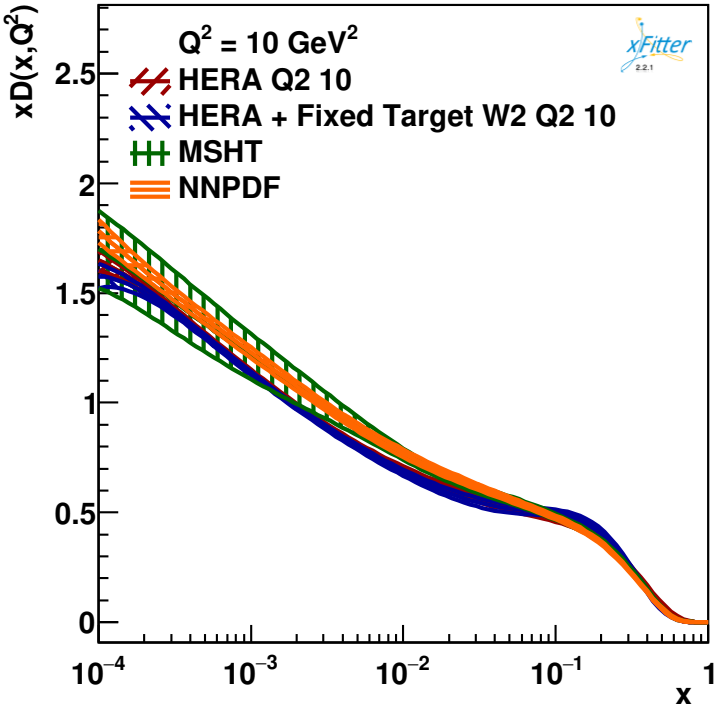

Q^2 = 10 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$xc(x,Q^2)$
x

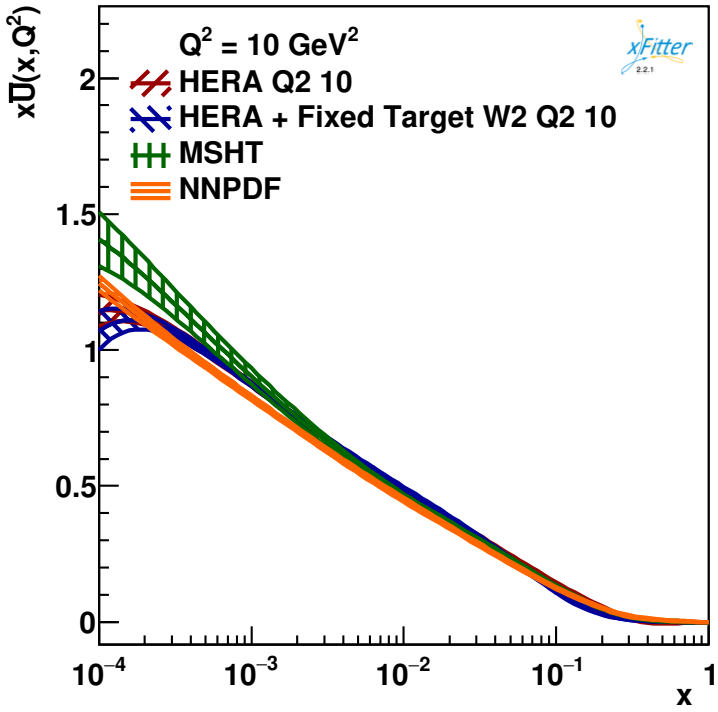

$\times 10^{-15}$
Q^2 = 10 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$xb(x,Q^2)$
x

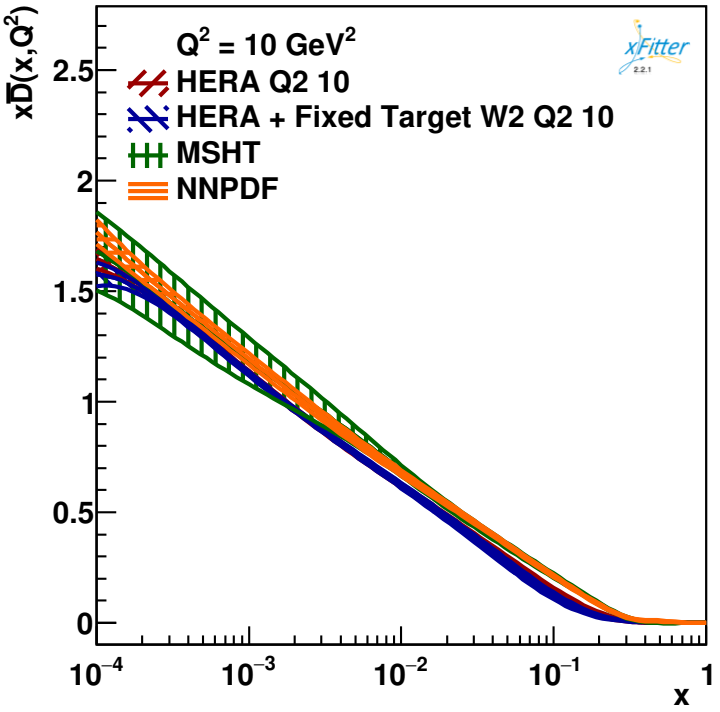

Q^2 = 10 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$x\bar{d}-\bar{u}(x,Q^2)$
0.1
0.05
0
−0.05
−0.1
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x

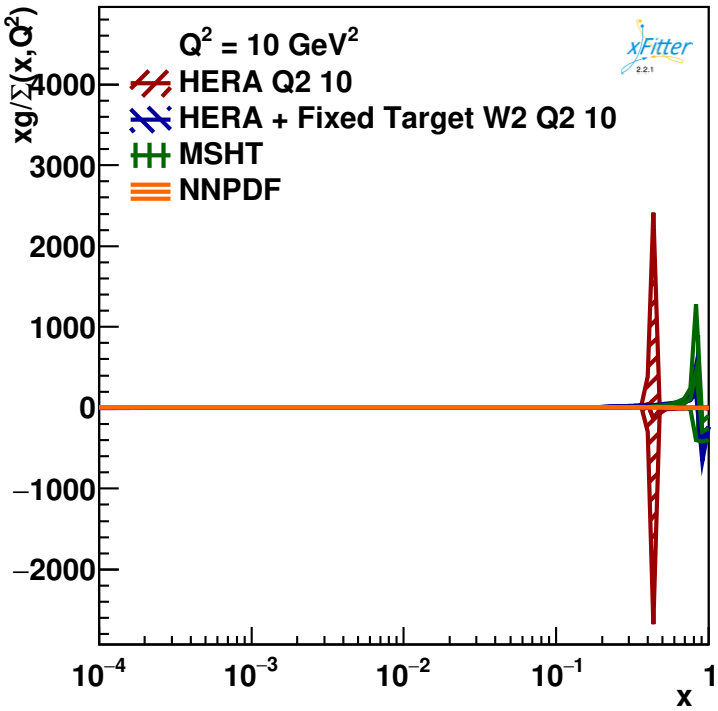

Q^2 = 10 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$xd_V-u_V(x,Q^2)$
0.5
0.4
0.3
0.2
0.1
0
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x

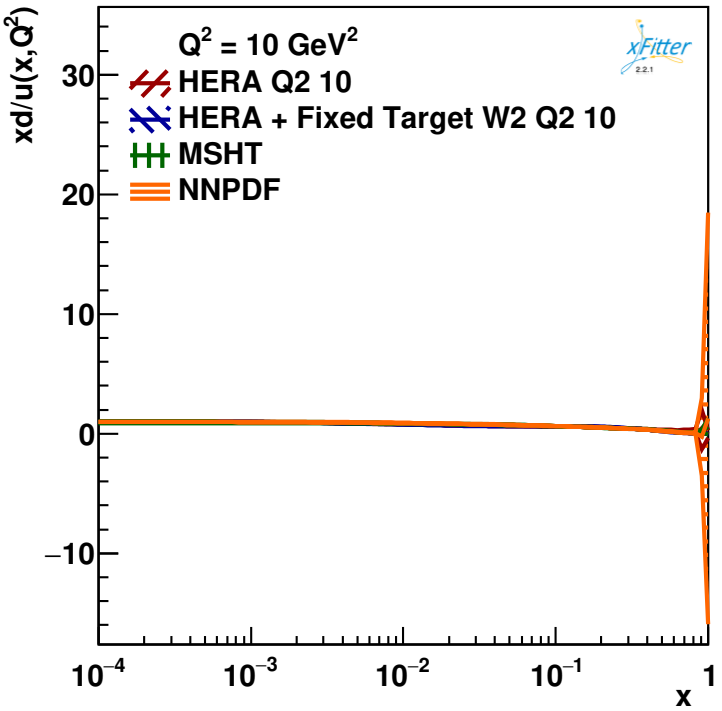

Q^2 = 10 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$xU(x,Q^2)$
2
1.5
1
0.5
0
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x

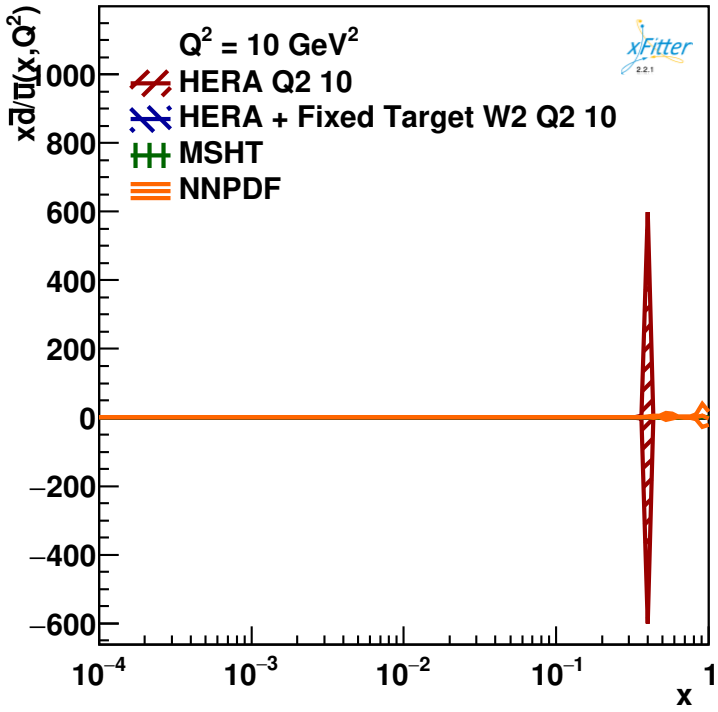

Q^2 = 10 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$xD(x,Q^2)$
2.5
2
1.5
1
0.5
0
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x

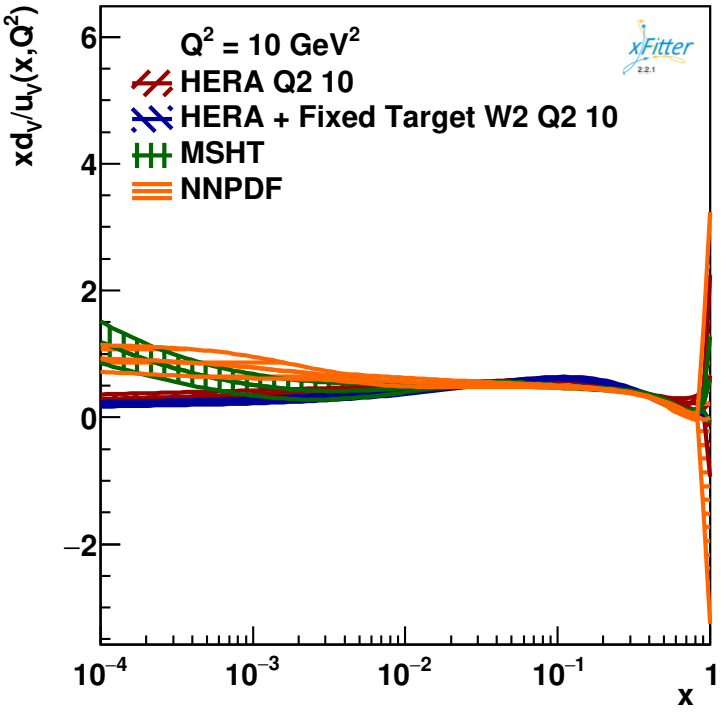

Q^2 = 10 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$x\bar{U}(x,Q^2)$
x

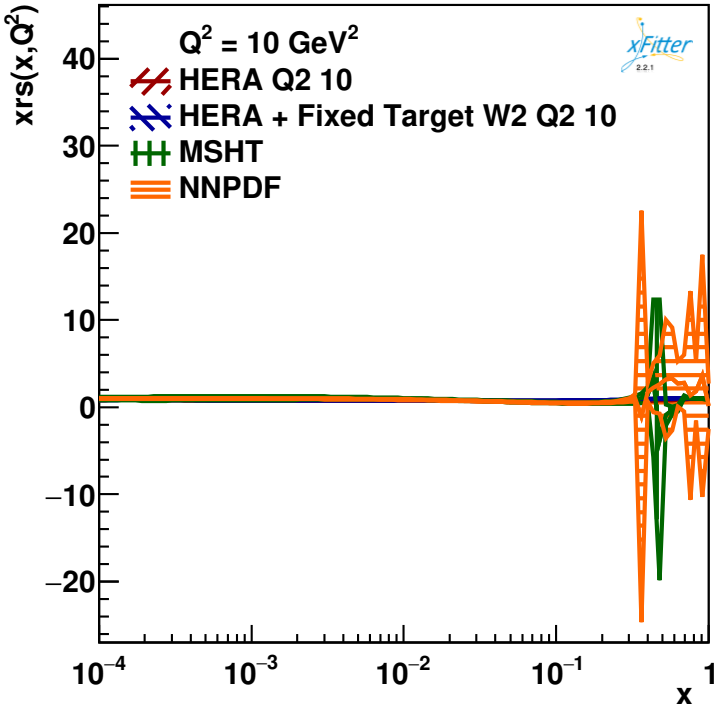

Q^2 = 10 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$x\bar{D}(x,Q^2)$
x

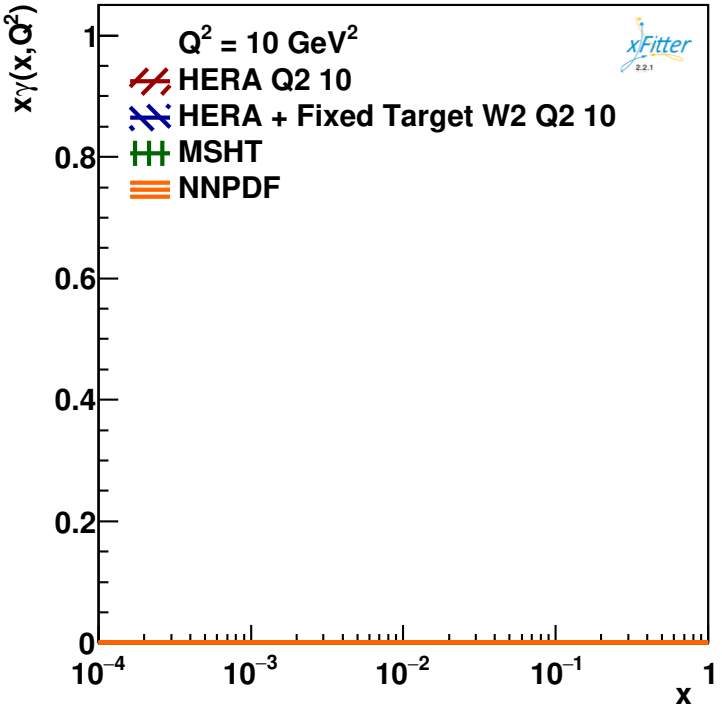

Q^2 = 10 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$xg/\Sigma(x,Q^2)$
x

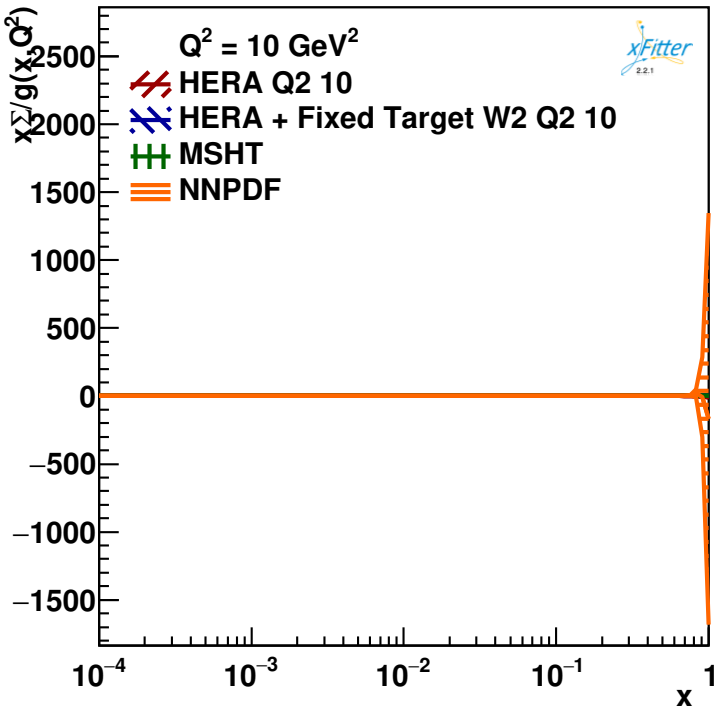

Q^2 = 10 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$xd/u(x,Q^2)$
x

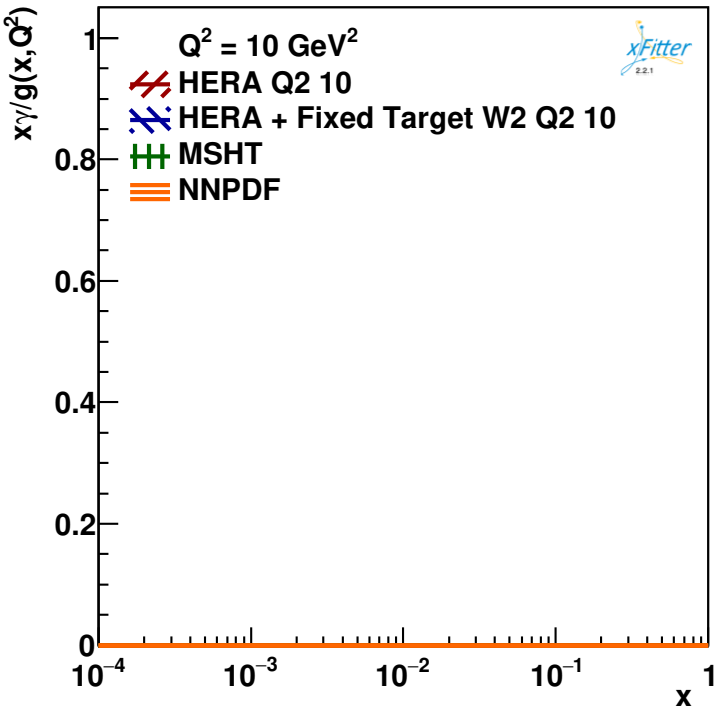

Q^2 = 10 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$x\bar{d}/\bar{u}(x,Q^2)$
1000
800
600
400
200
0
−200
−400
−600
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x

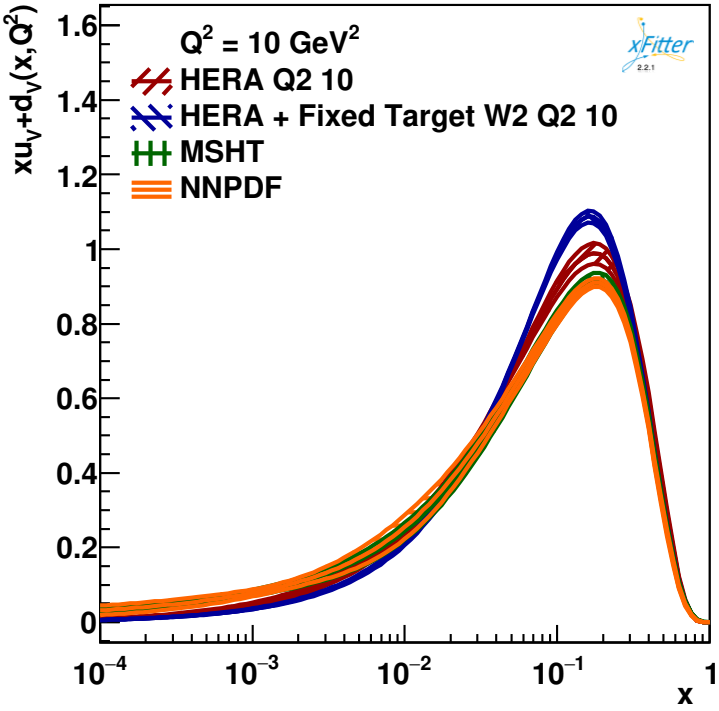

Q^2 = 10 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$xd_V/u_V(x,Q^2)$
6
4
2
0
−2
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x

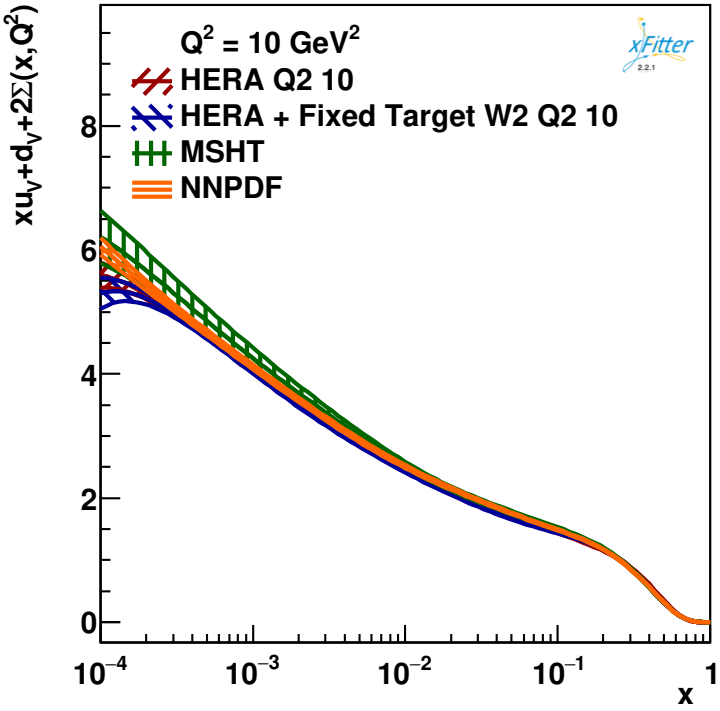

Q^2 = 10 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$xrs(x,Q^2)$
40
30
20
10
0
−10
−20
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x

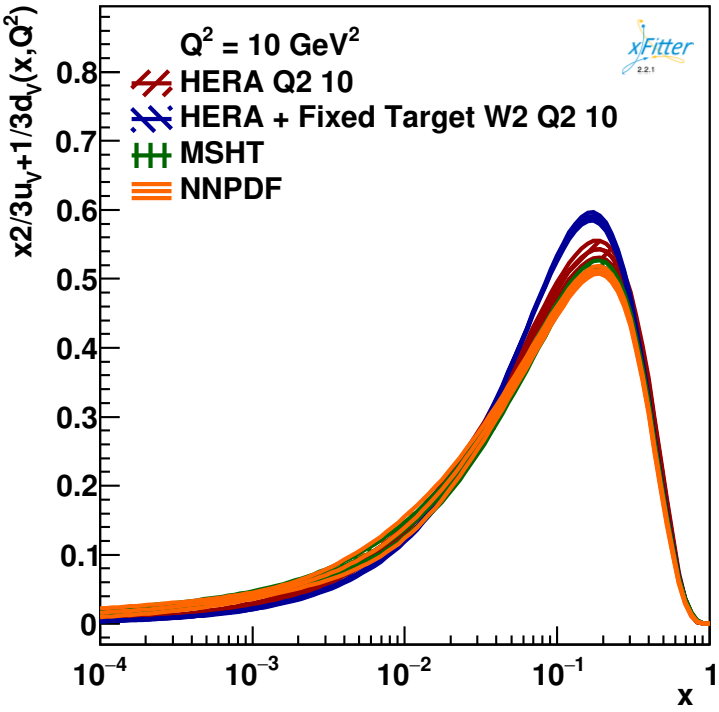

Q^2 = 10 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$x\gamma(x,Q^2)$
1
0.8
0.6
0.4
0.2
0
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x

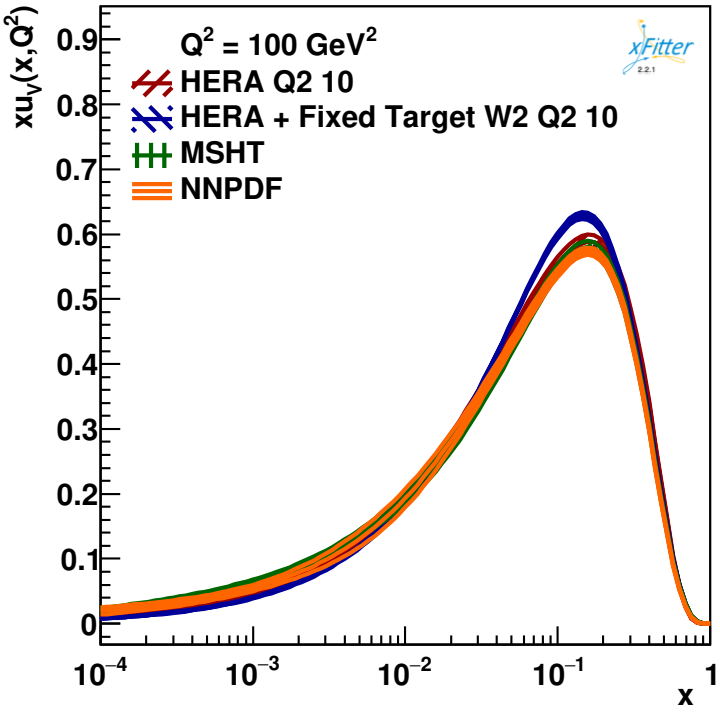

Q^2 = 10 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$x\Sigma/g(x,Q^2)$
2500
2000
1500
1000
500
0
−500
−1000
−1500
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x

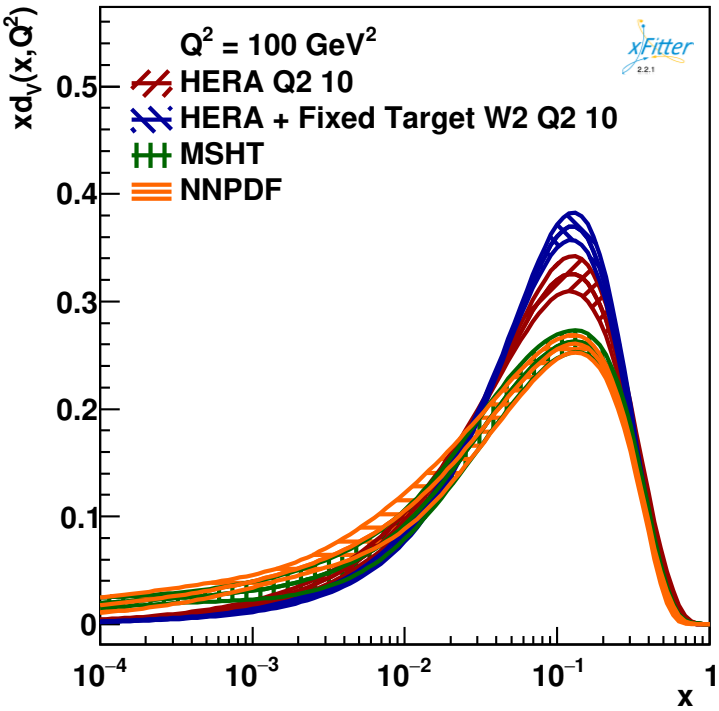

Q^2 = 10 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$x\gamma/g(x,Q^2)$
1
0.8
0.6
0.4
0.2
0
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x

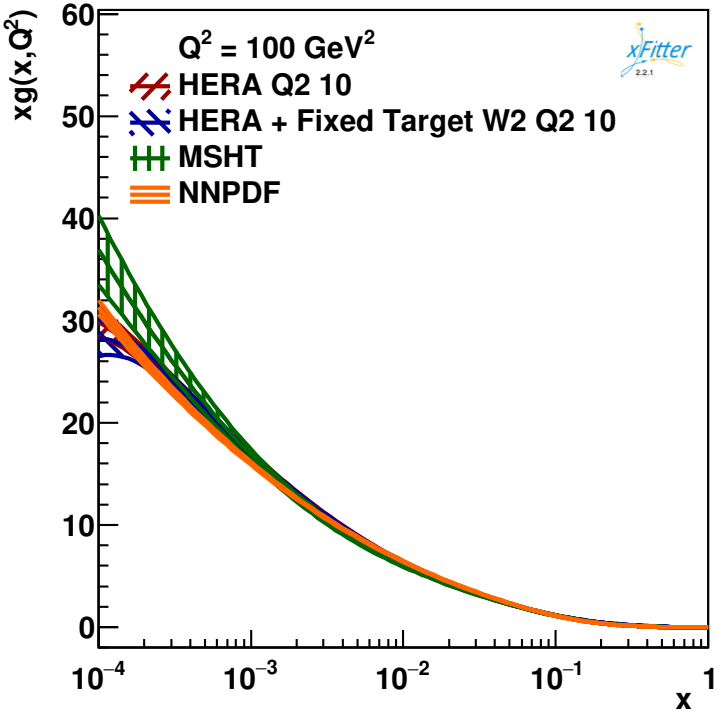

Q^2 = 10 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$xu_v+d_v(x,Q^2)$
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x

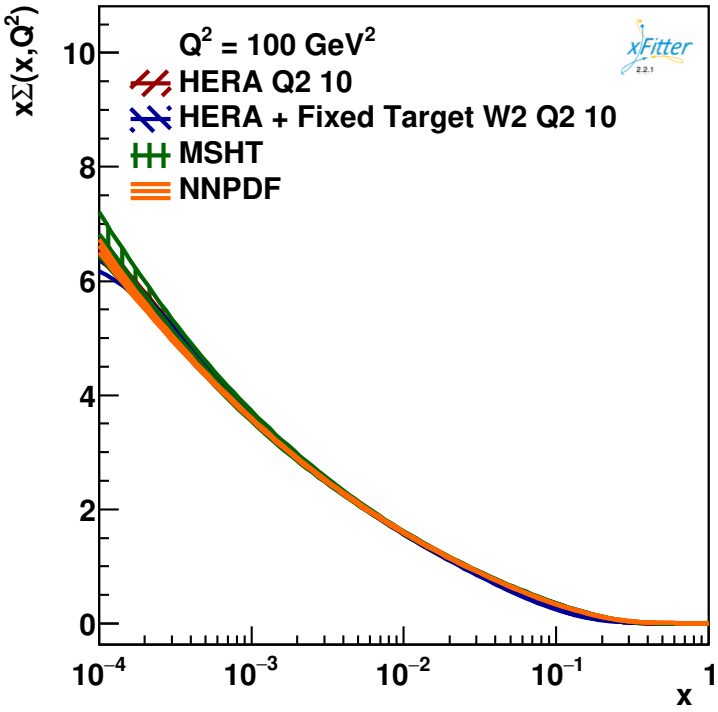

Q^2 = 10 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$xu_v+d_v+2\Sigma(x,Q^2)$
8
6
4
2
0
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x

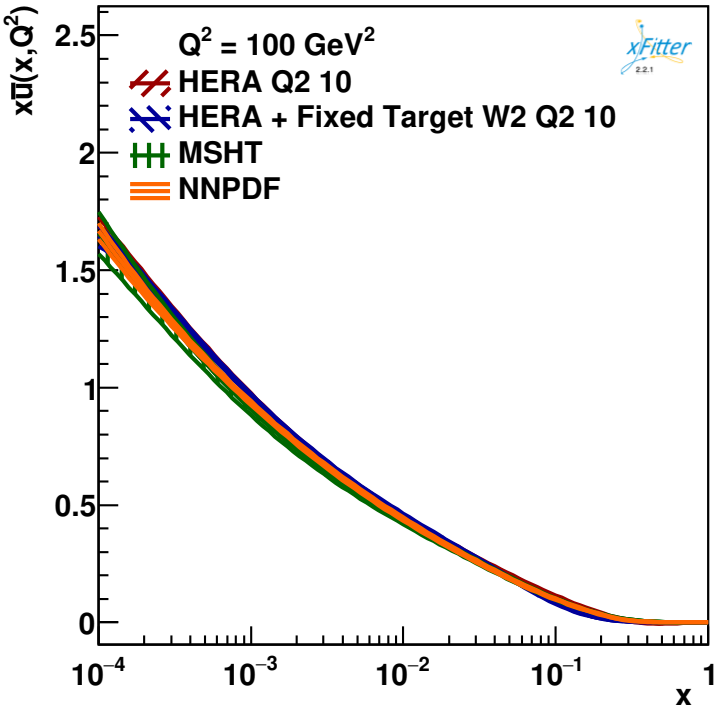

Q^2 = 10 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$x2/3u_V+1/3d_V(x,Q^2)$
x

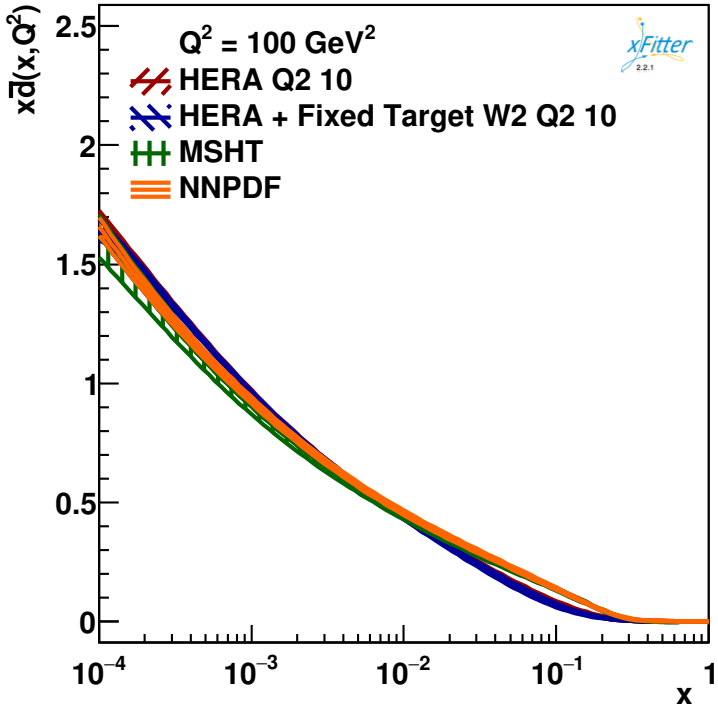

Q^2 = 100 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$xu_V(x,Q^2)$
x

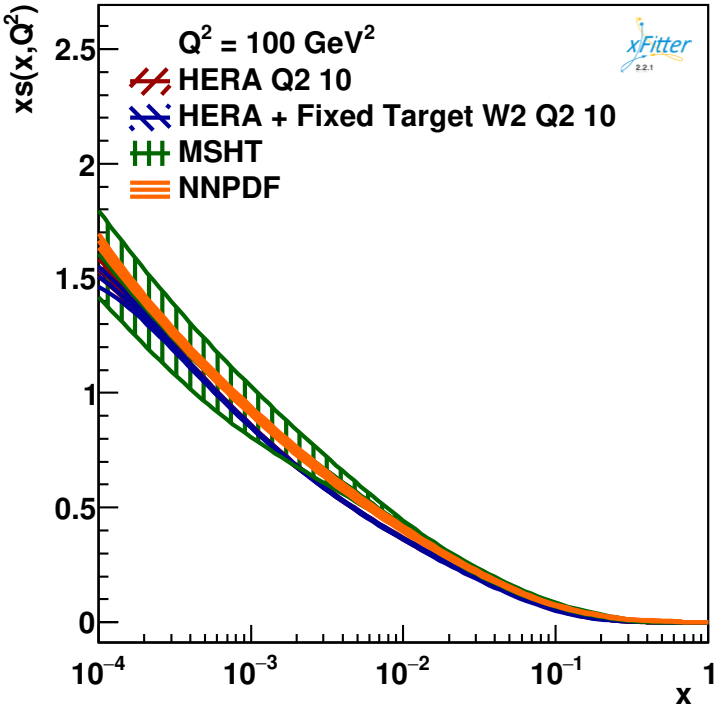

Q^2 = 100 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$xd_V(x,Q^2)$
x

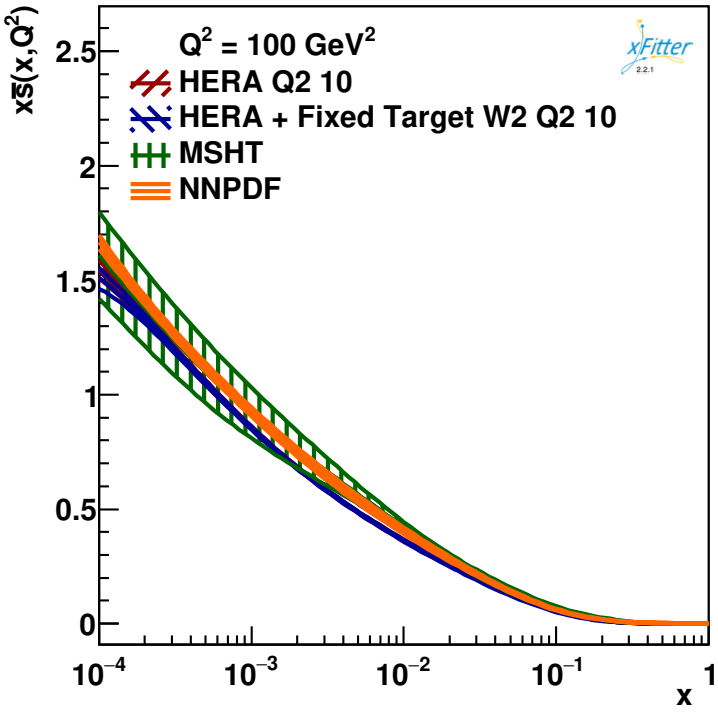

Q^2 = 100 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$xg(x,Q^2)$
x

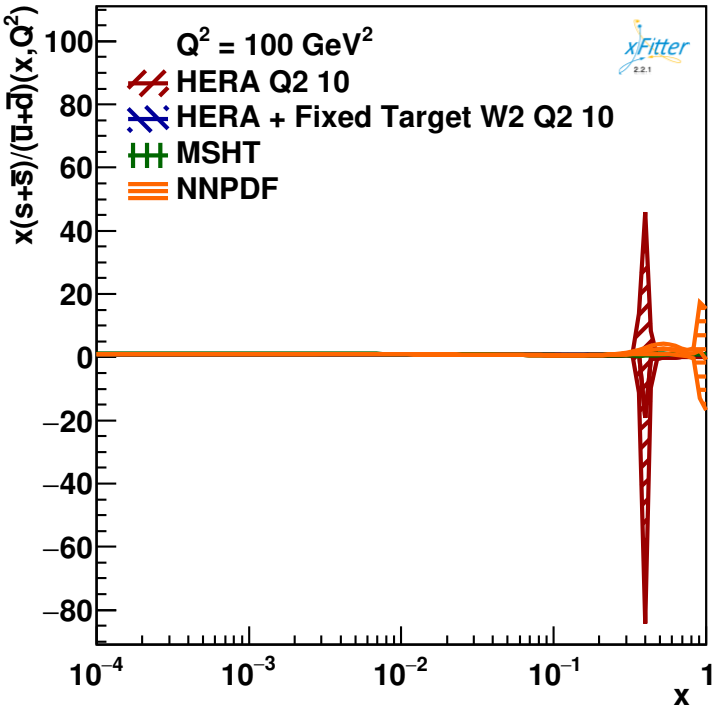

$xΣ(x,Q^2)$
Q^2 = 100 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
10
8
6
4
2
0
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x

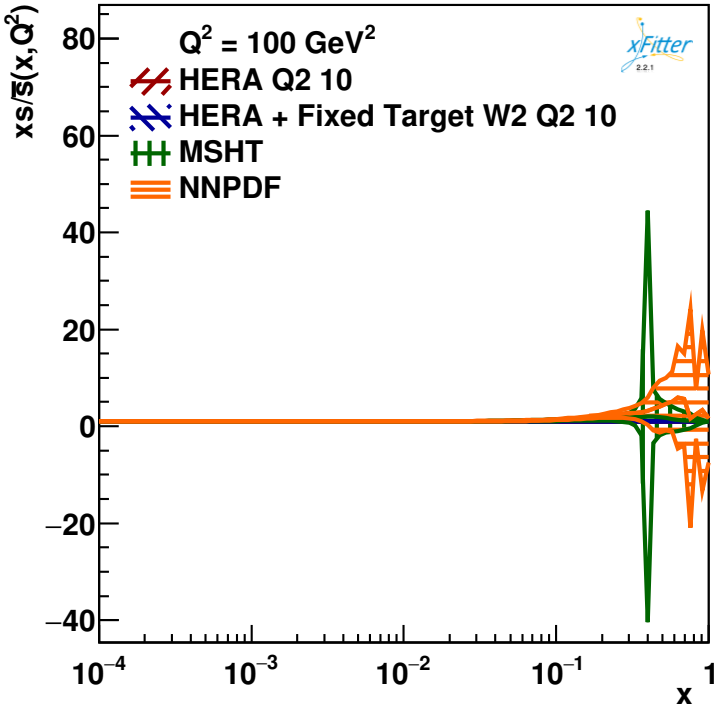

$xū(x,Q^2)$
Q^2 = 100 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
2.5
2
1.5
1
0.5
0
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x

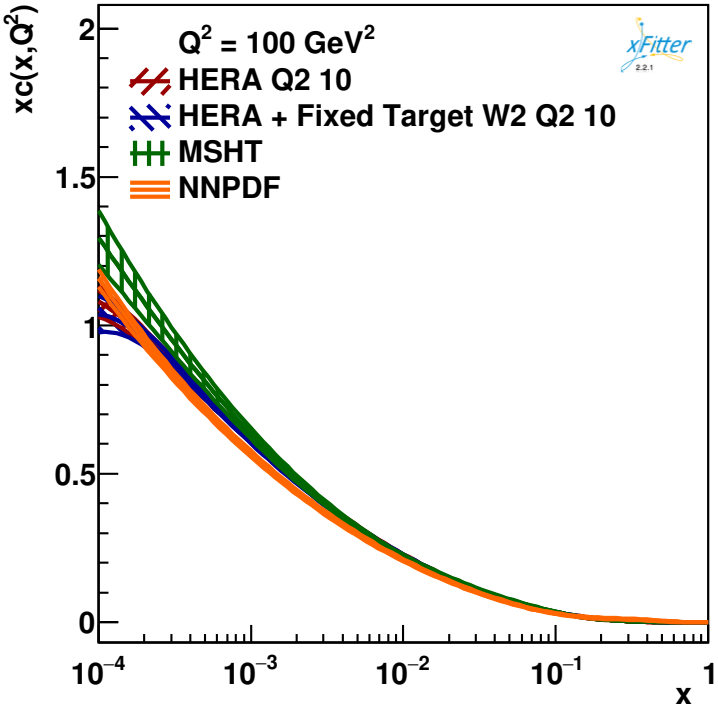

$xd̄(x,Q^2)$
Q^2 = 100 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
2.5
2
1.5
1
0.5
0
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x

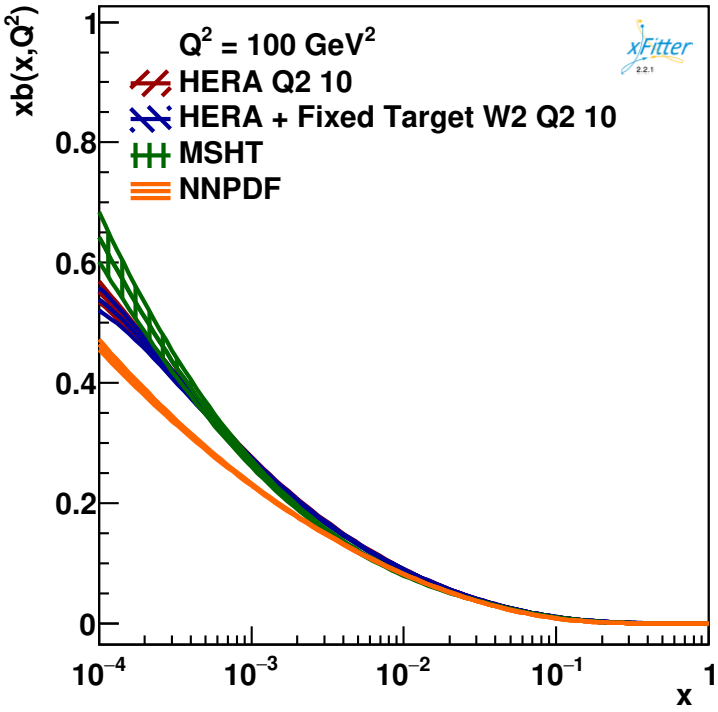

$xs(x,Q^2)$
Q^2 = 100 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
2.5
2
1.5
1
0.5
0
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x

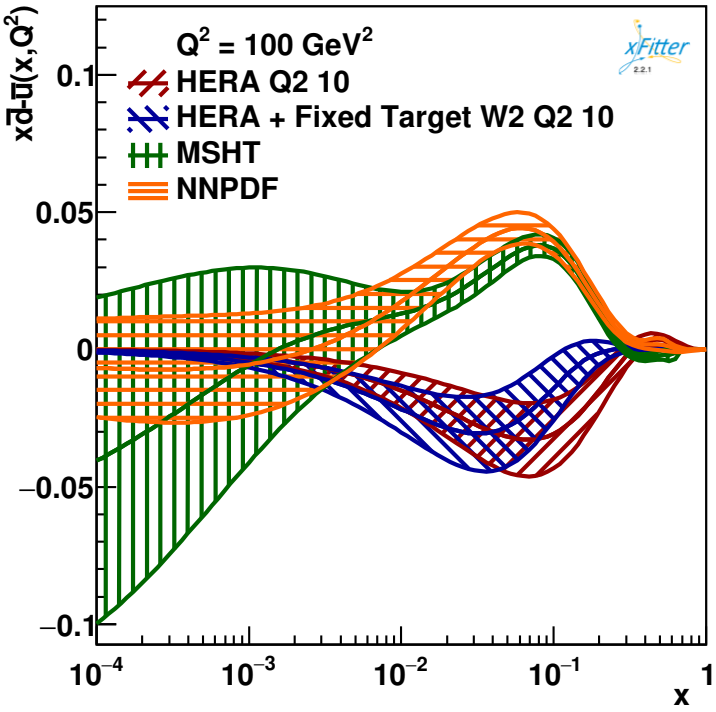

Q^2 = 100 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$x\bar{s}(x,Q^2)$
x

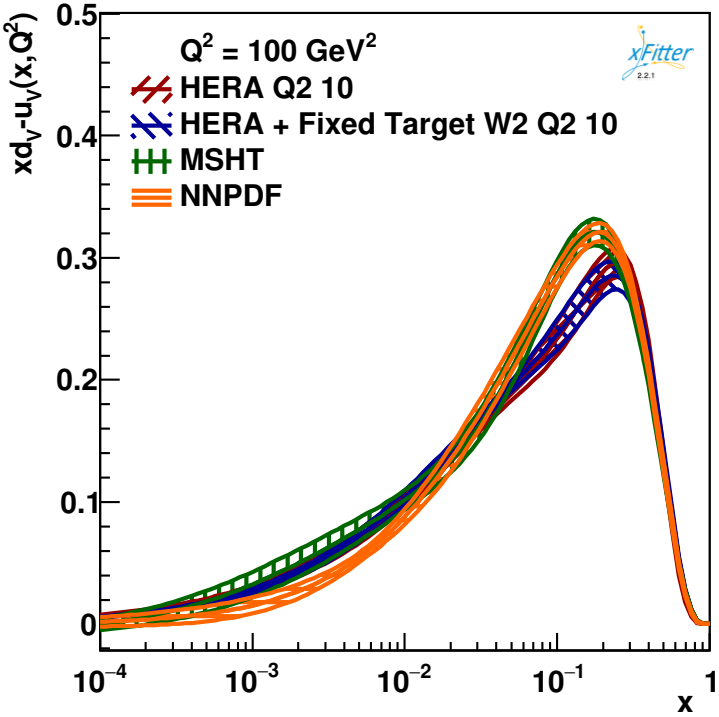

Q^2 = 100 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$x(s+\bar{s})/(\bar{u}+\bar{d})(x,Q^2)$
x

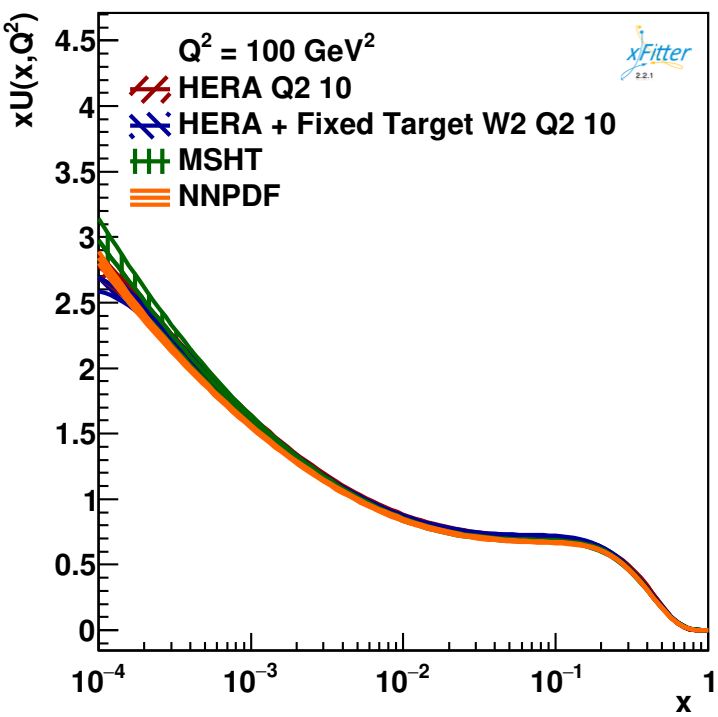

Q^2 = 100 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$xs/\bar{s}(x,Q^2)$
x

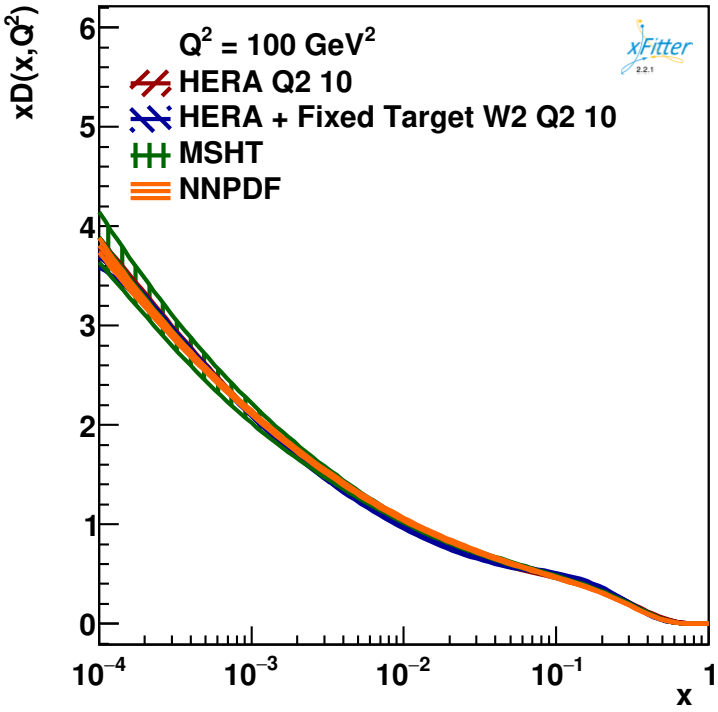

Q^2 = 100 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$xc(x,Q^2)$
x

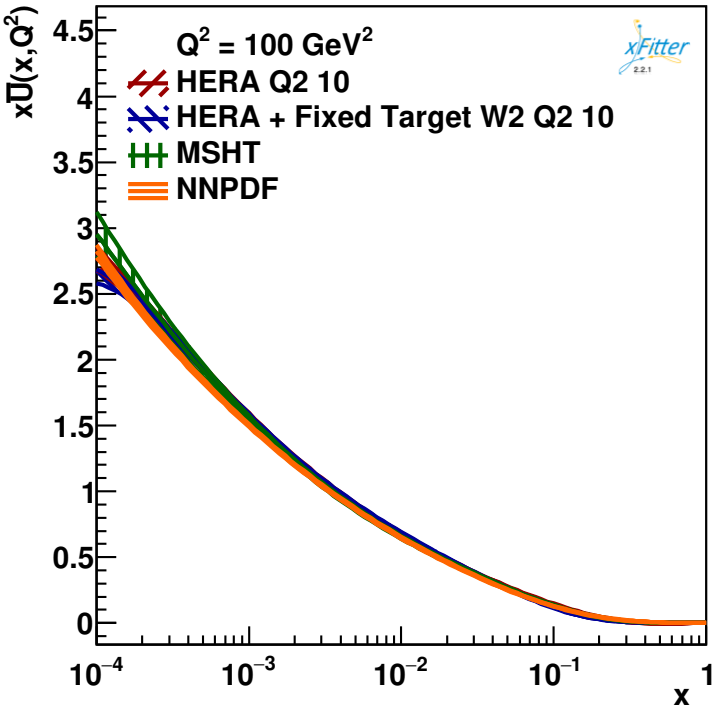

xb(x,Q²)
Q² = 100 GeV²
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
1
0.8
0.6
0.4
0.2
0
10⁻⁴
10⁻³
10⁻²
10⁻¹
1
x

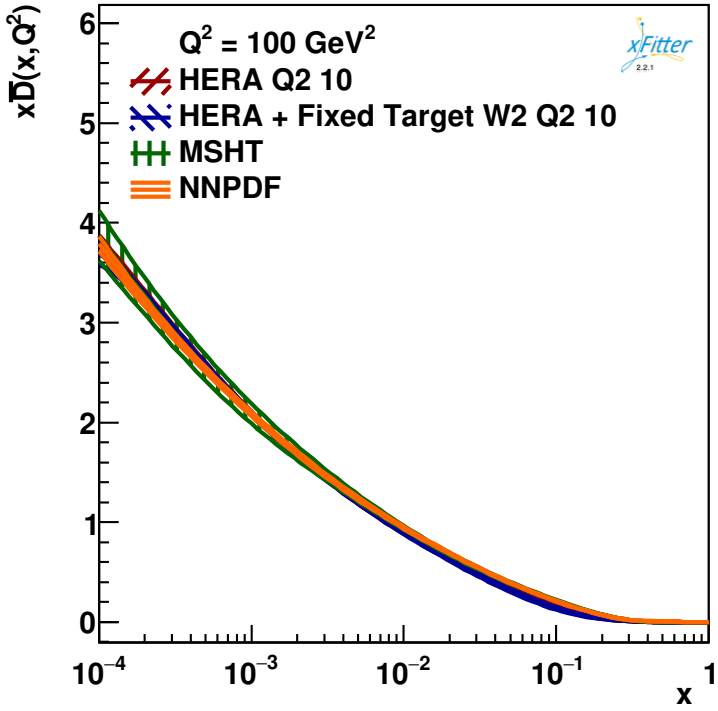

xd̄-ū(x,Q²)
Q² = 100 GeV²
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
0.1
0.05
0
−0.05
−0.1
10⁻⁴
10⁻³
10⁻²
10⁻¹
1
x

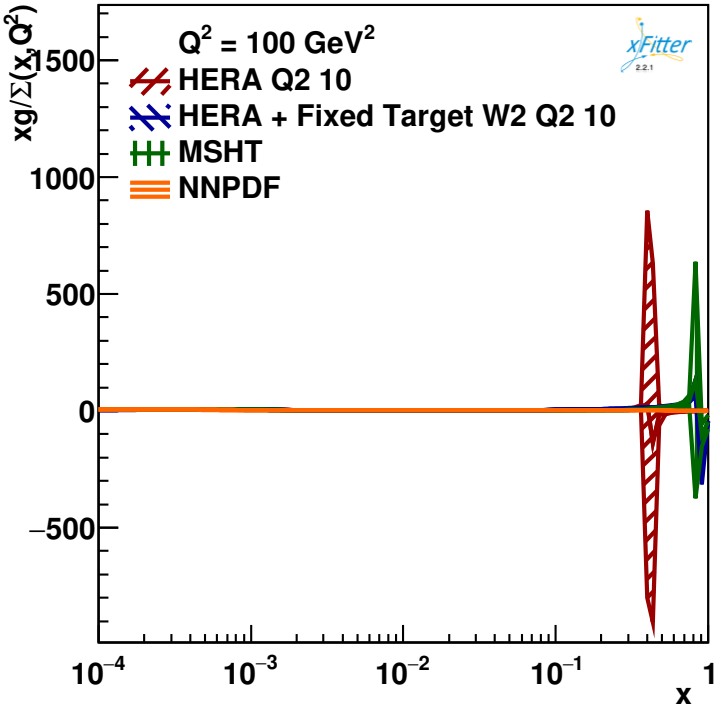

xd_V-u_V(x,Q²)
Q² = 100 GeV²
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
0.5
0.4
0.3
0.2
0.1
0
10⁻⁴
10⁻³
10⁻²
10⁻¹
1
x

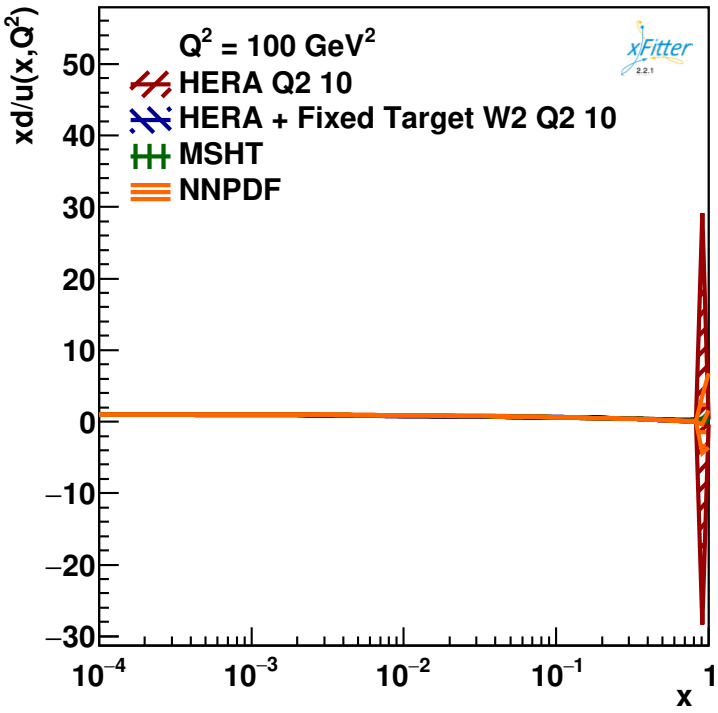

xU(x,Q²)
Q² = 100 GeV²
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
10⁻⁴
10⁻³
10⁻²
10⁻¹
1
x

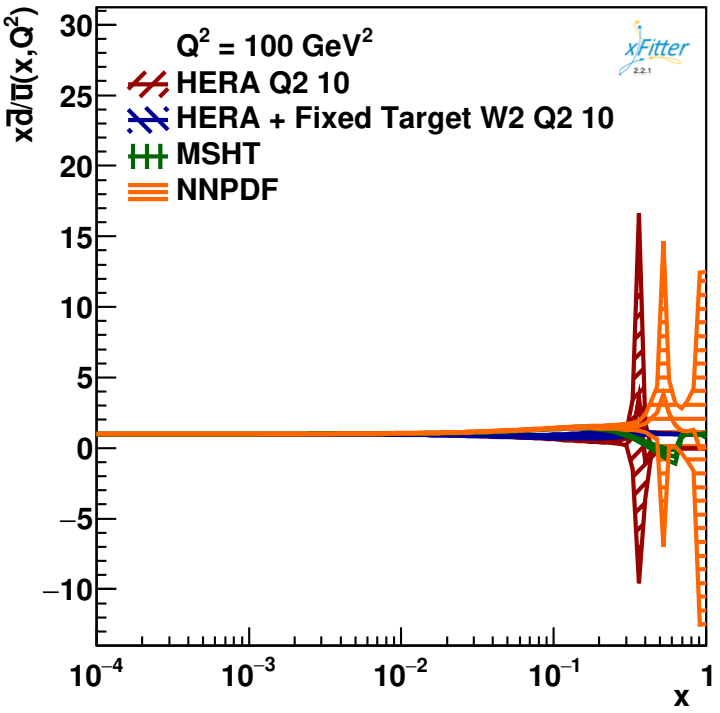

xD(x,Q²)
Q² = 100 GeV²
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter
x

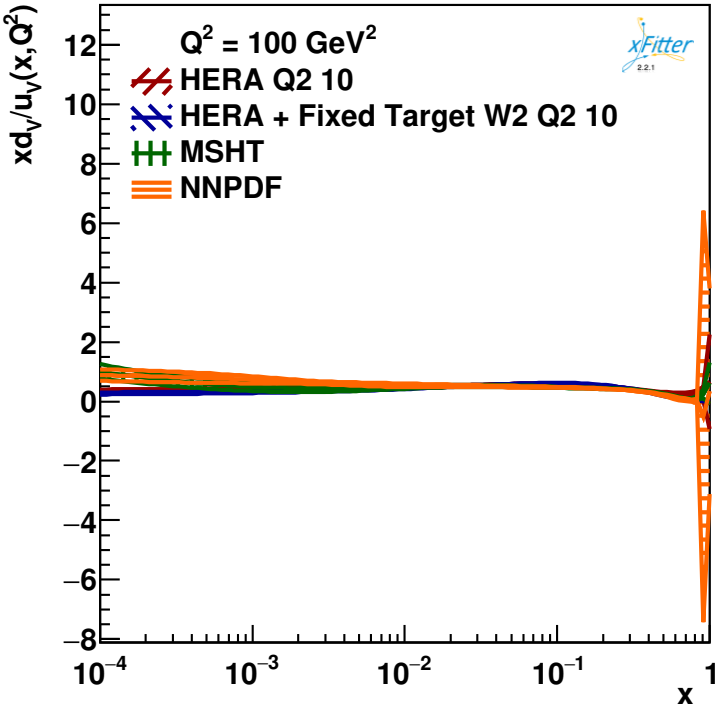

xŪ(x,Q²)
Q² = 100 GeV²
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter
x

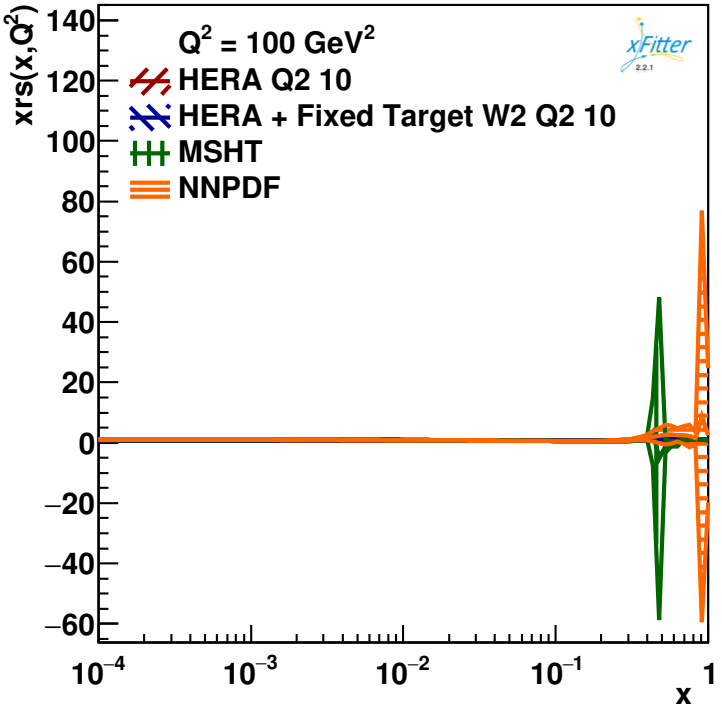

xD̄(x,Q²)
Q² = 100 GeV²
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter
x

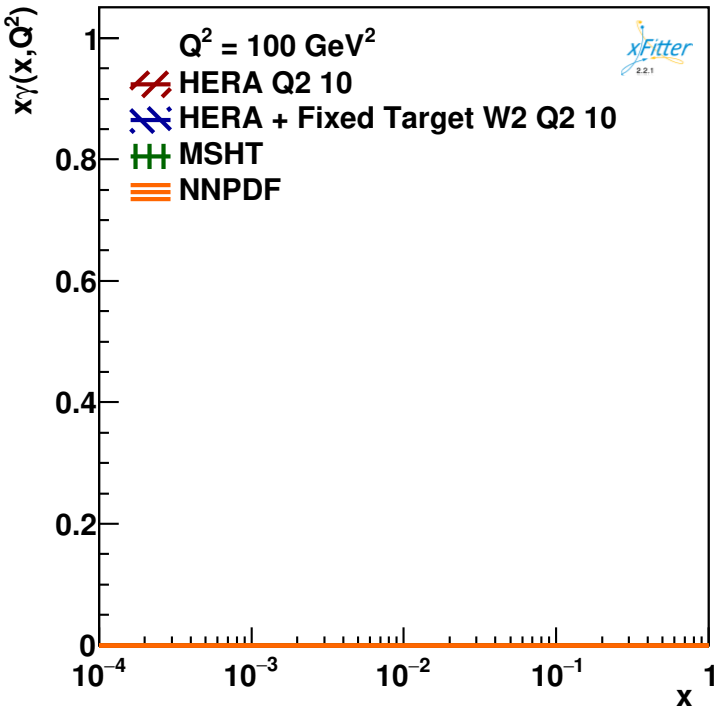

xg/Σ(x,Q²)
Q² = 100 GeV²
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter
x

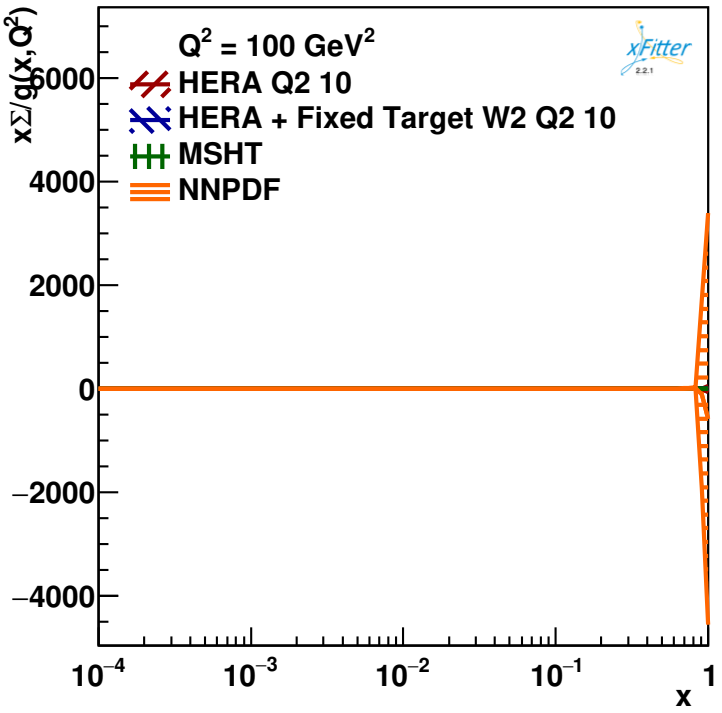

Q^2 = 100 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$xd/u(x,Q^2)$
x

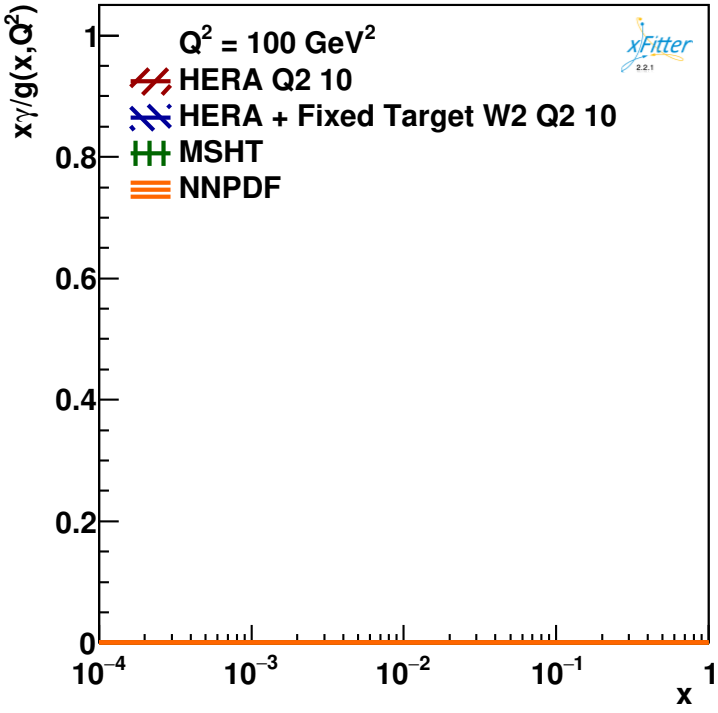

Q^2 = 100 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$x\bar{d}/\bar{u}(x,Q^2)$
x

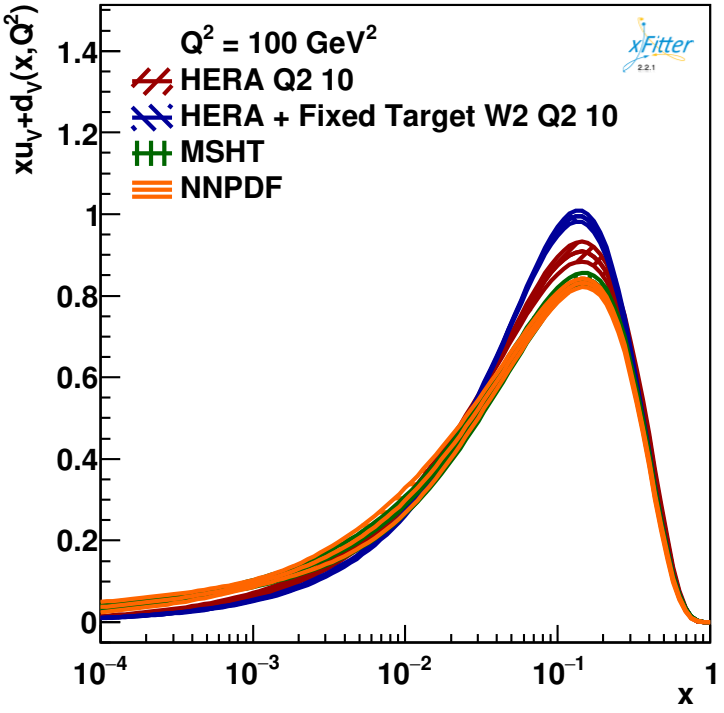

Q^2 = 100 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$xd_V/u_V(x,Q^2)$
x

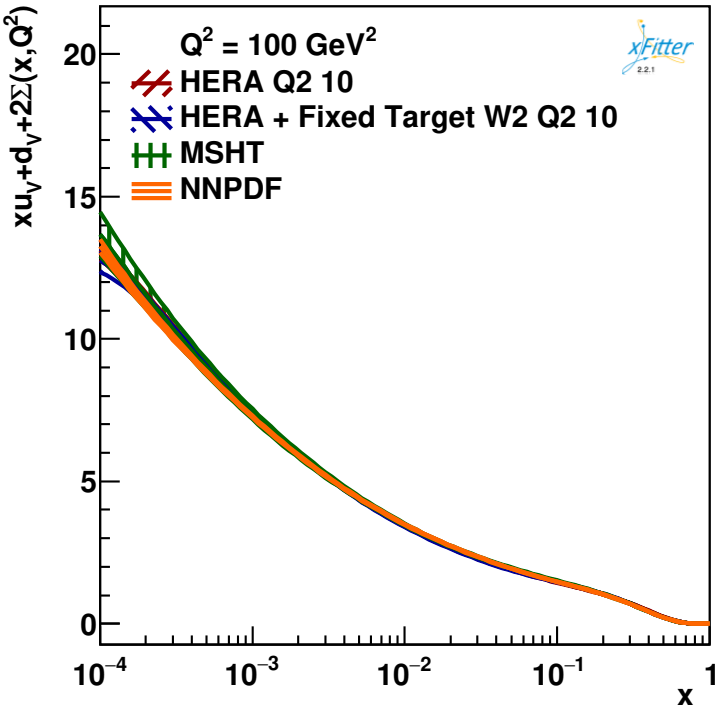

Q^2 = 100 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$xrs(x,Q^2)$
x

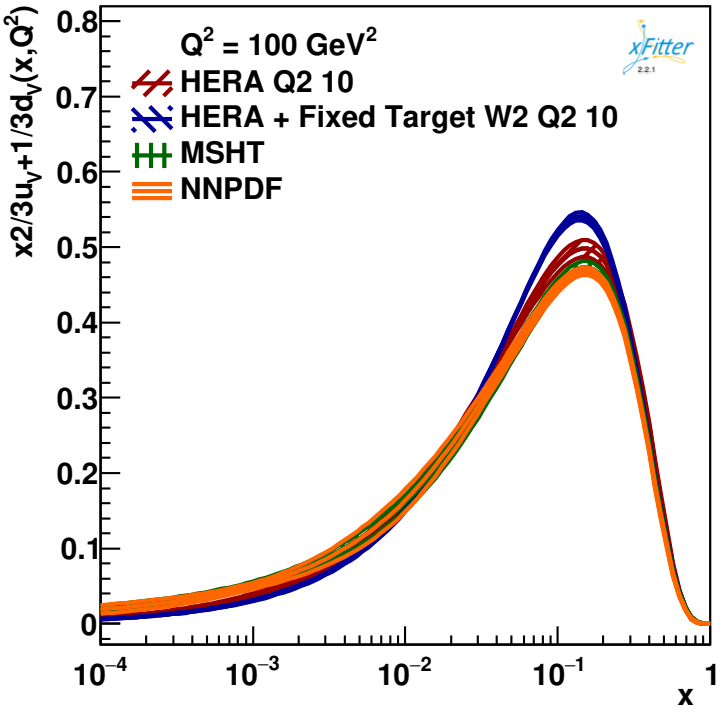

Q^2 = 100 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$x\gamma(x,Q^2)$
x

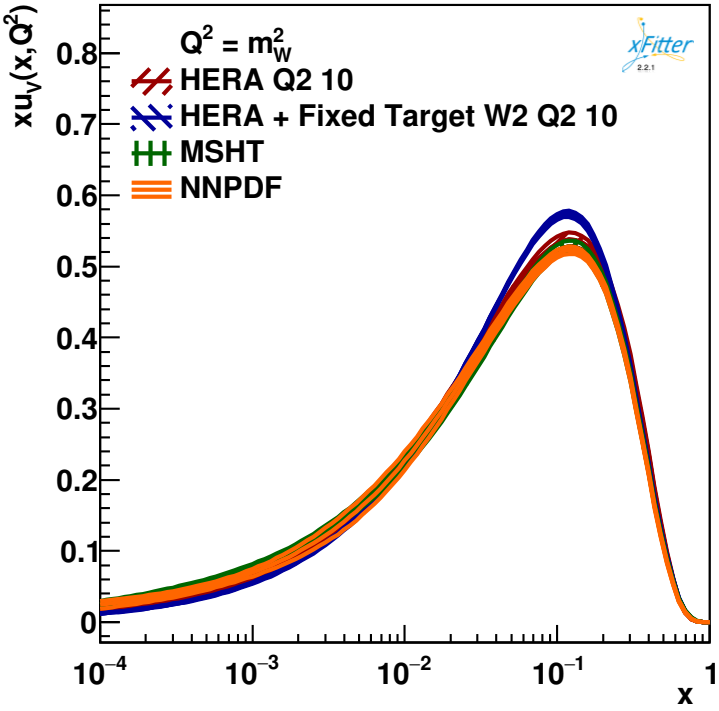

Q^2 = 100 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$x\Sigma/g(x,Q^2)$
x

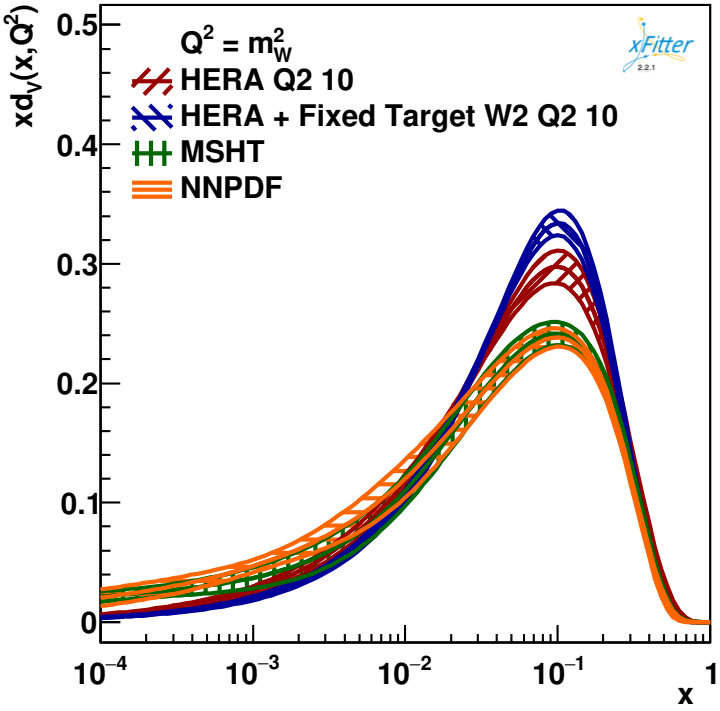

Q^2 = 100 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$x\gamma/g(x,Q^2)$
x

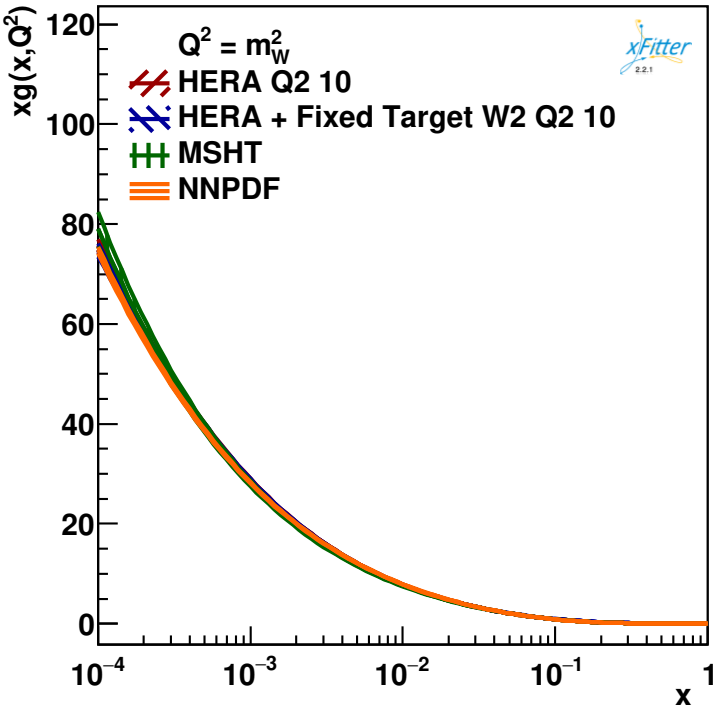

Q^2 = 100 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$xu_V+d_V(x,Q^2)$
x

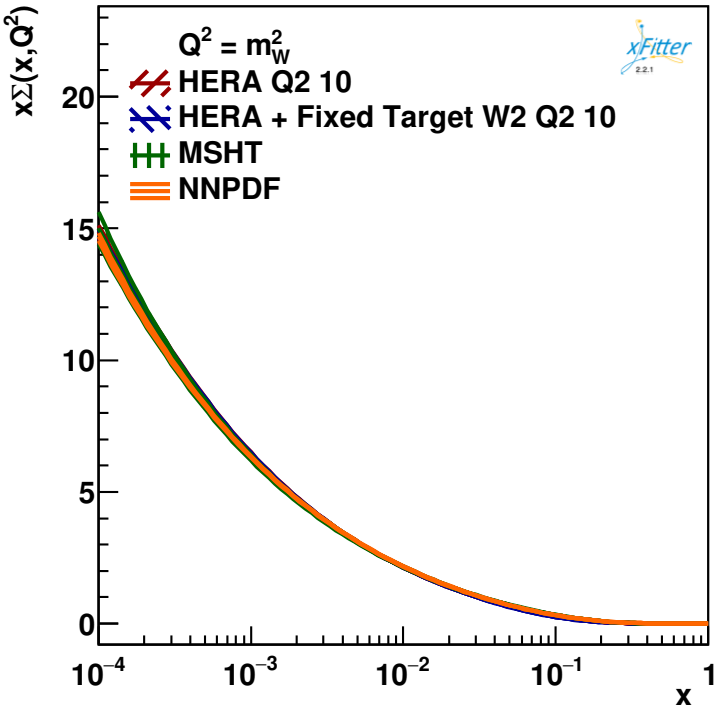

Q^2 = 100 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$xu_V+d_V+2\Sigma(x,Q^2)$
x

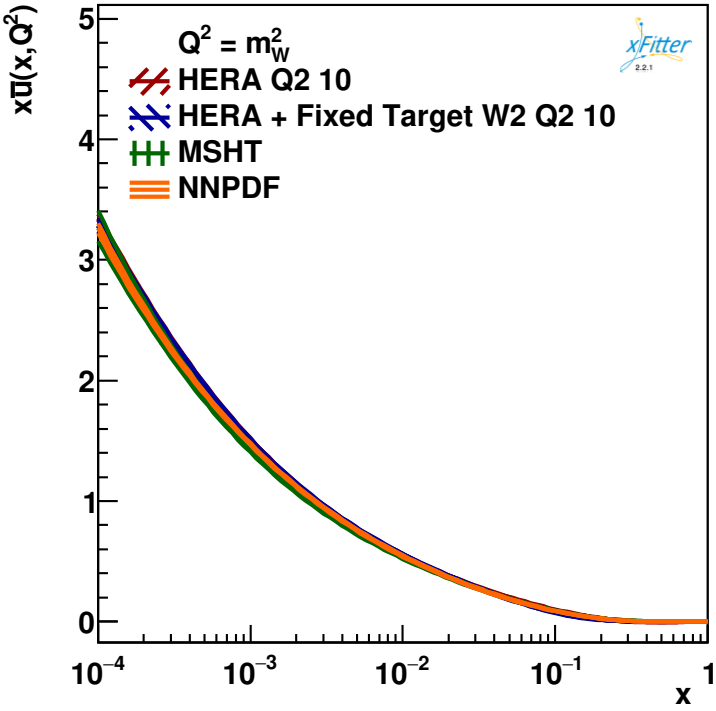

Q^2 = 100 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$x2/3u_V+1/3d_V(x,Q^2)$
x

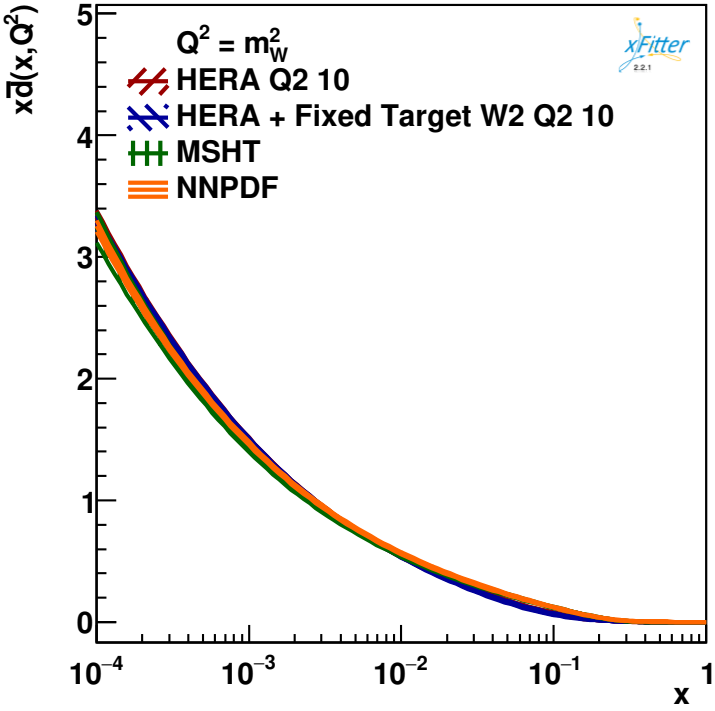

$Q^2 = m_W^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$xu_V(x,Q^2)$
x

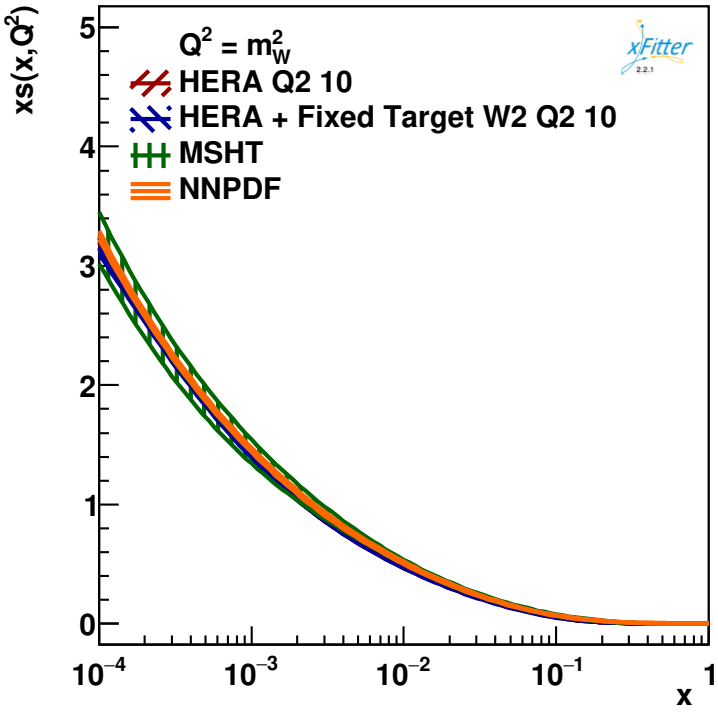

$Q^2 = m_W^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$xd_V(x,Q^2)$
x

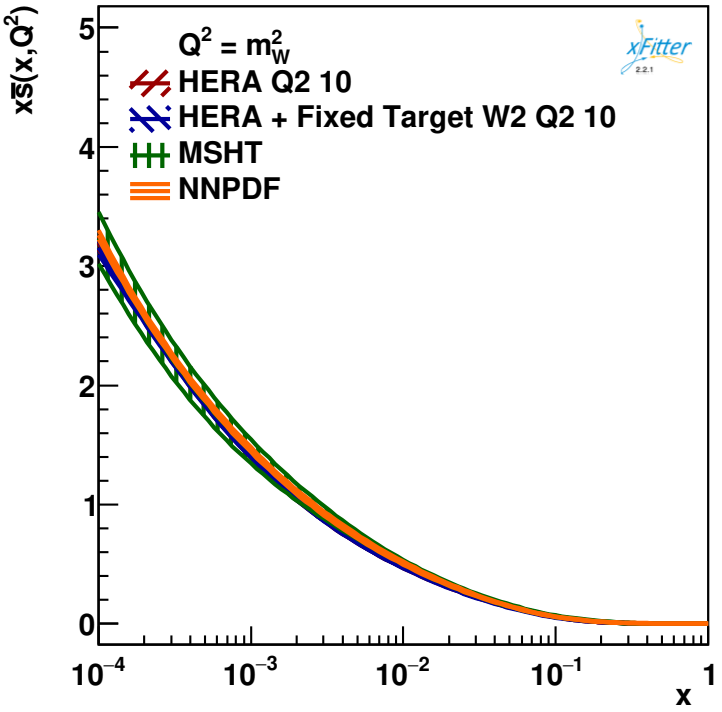

xg(x,Q²)
Q² = m²W
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter
2.2.1
120
100
80
60
40
20
0
10⁻⁴
10⁻³
10⁻²
10⁻¹
1
x

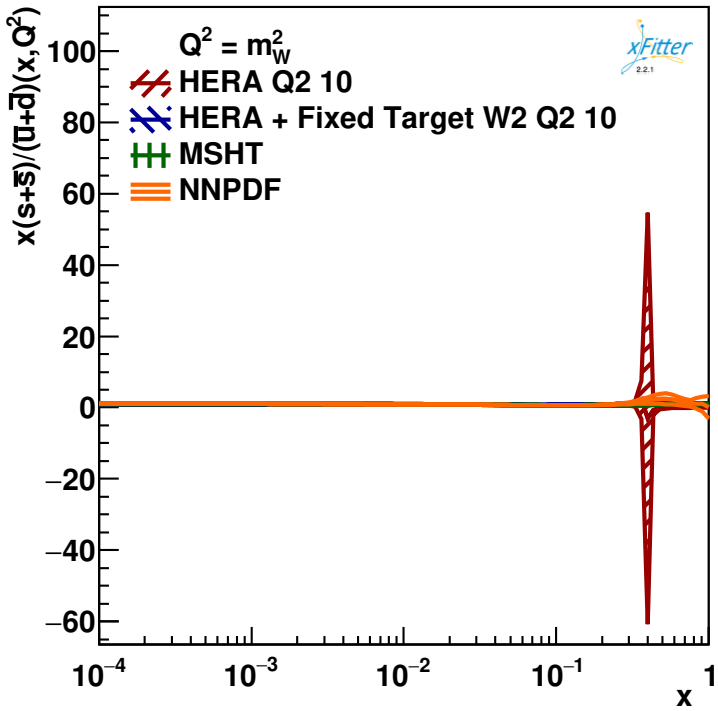

xΣ(x,Q²)
Q² = m²W
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter
2.2.1
20
15
10
5
0
10⁻⁴
10⁻³
10⁻²
10⁻¹
1
x

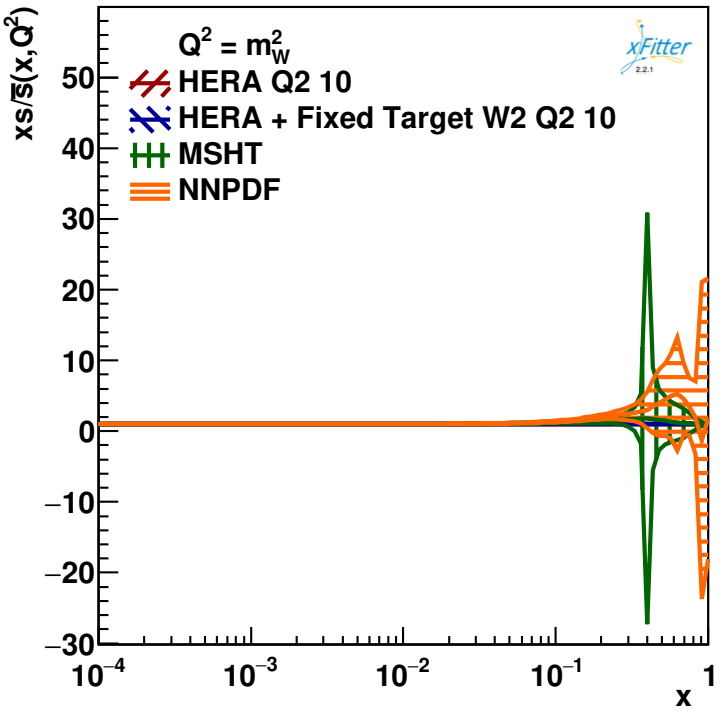

xū(x,Q²)
Q² = m²W
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter
2.2.1
5
4
3
2
1
0
10⁻⁴
10⁻³
10⁻²
10⁻¹
1
x

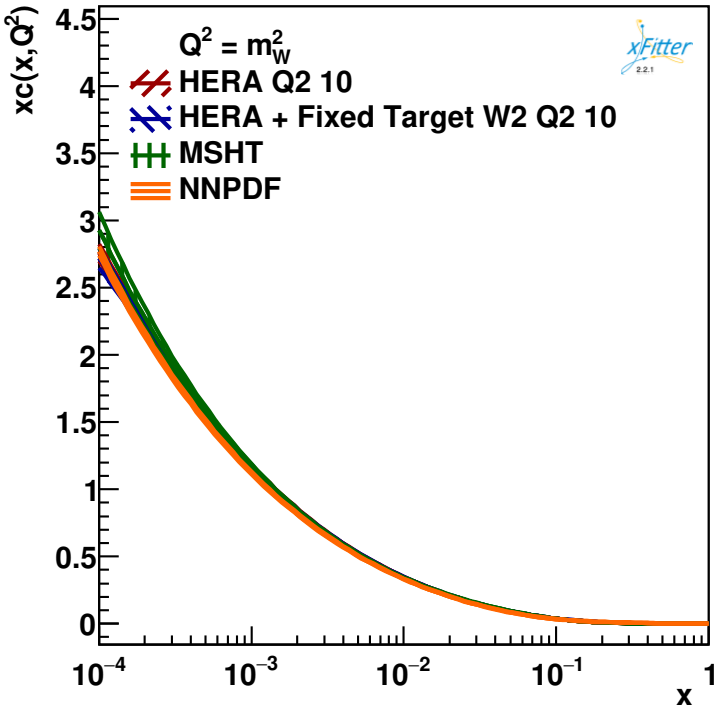

xd̄(x,Q²)
Q² = m²W
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter
2.2.1
5
4
3
2
1
0
10⁻⁴
10⁻³
10⁻²
10⁻¹
1
x

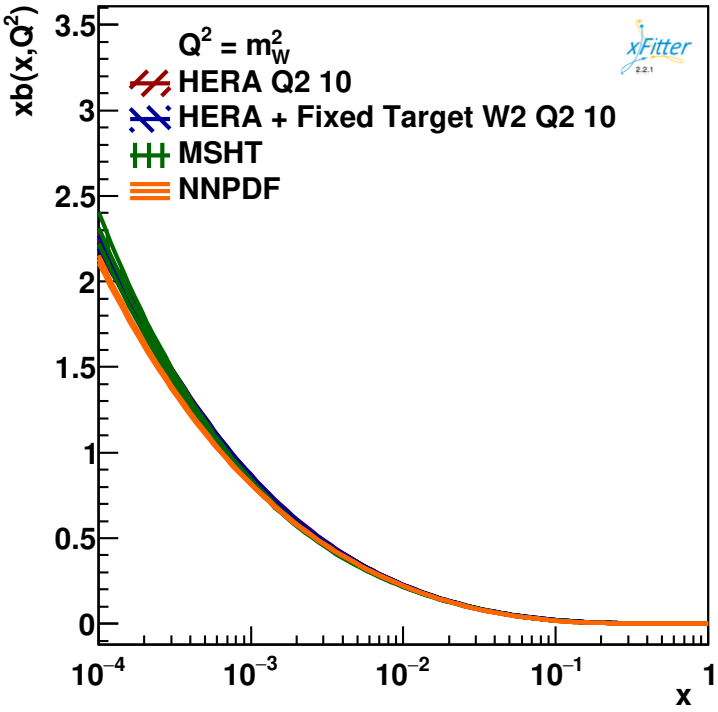

xs(x,Q²)
Q² = m²W
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter
x

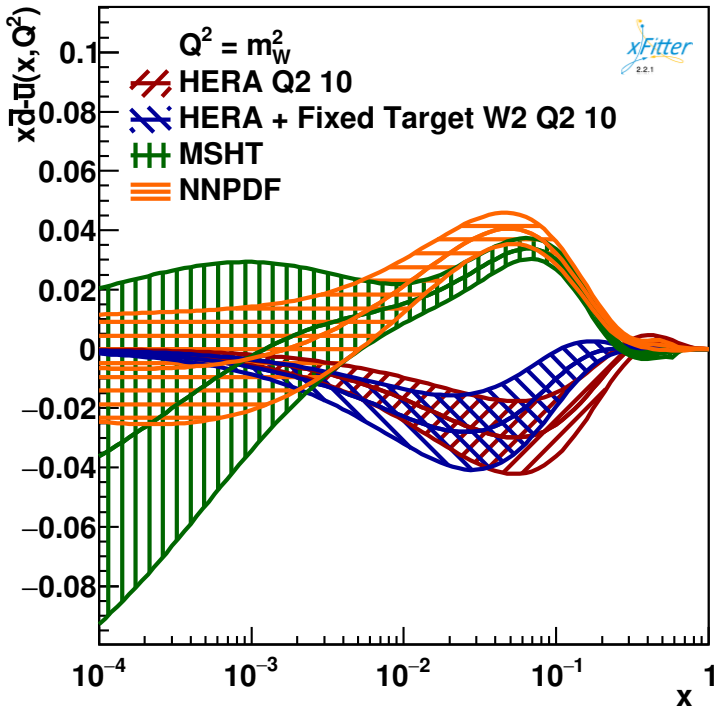

xs̄(x,Q²)
Q² = m²W
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter
x

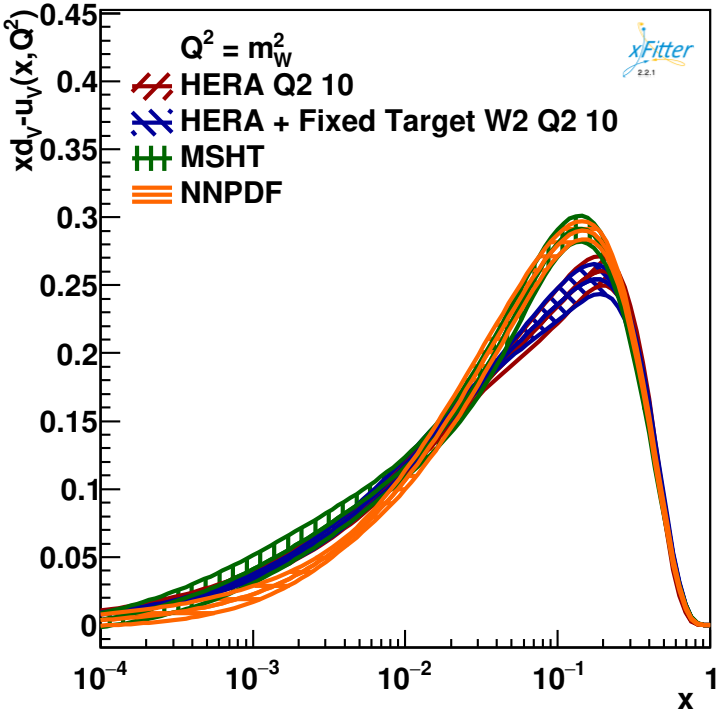

x(s+s̄)/(ū+d̄)(x,Q²)
Q² = m²W
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter
x

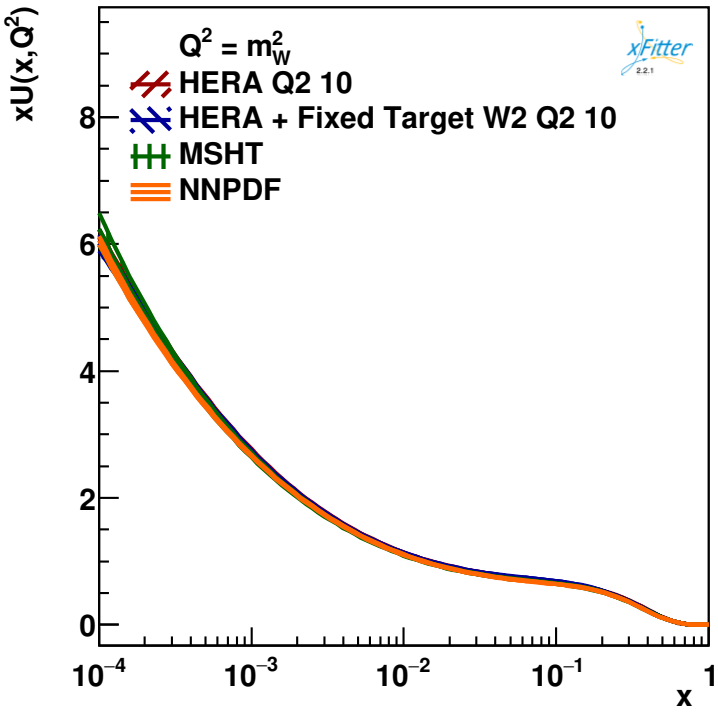

xs/s̄(x,Q²)
Q² = m²W
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter
x

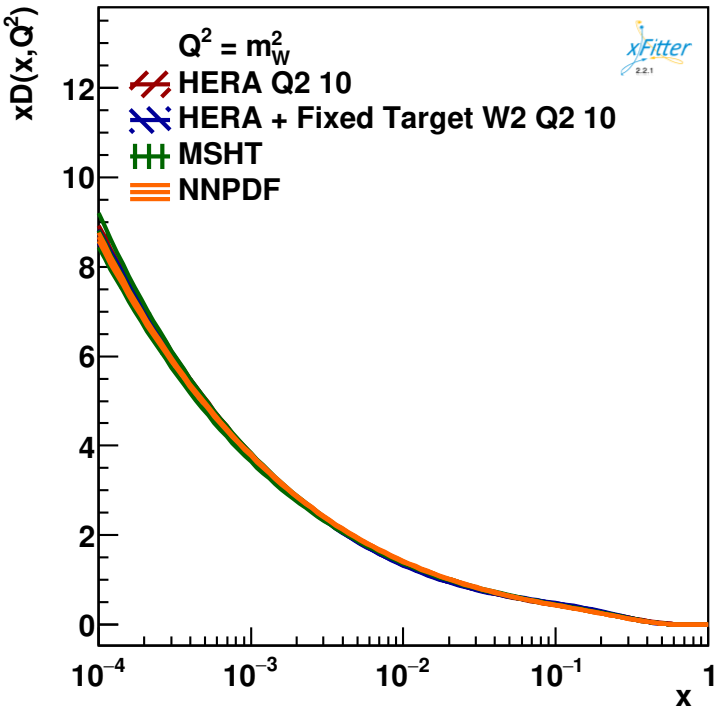

xc(x,Q²)
Q² = m²W
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
x

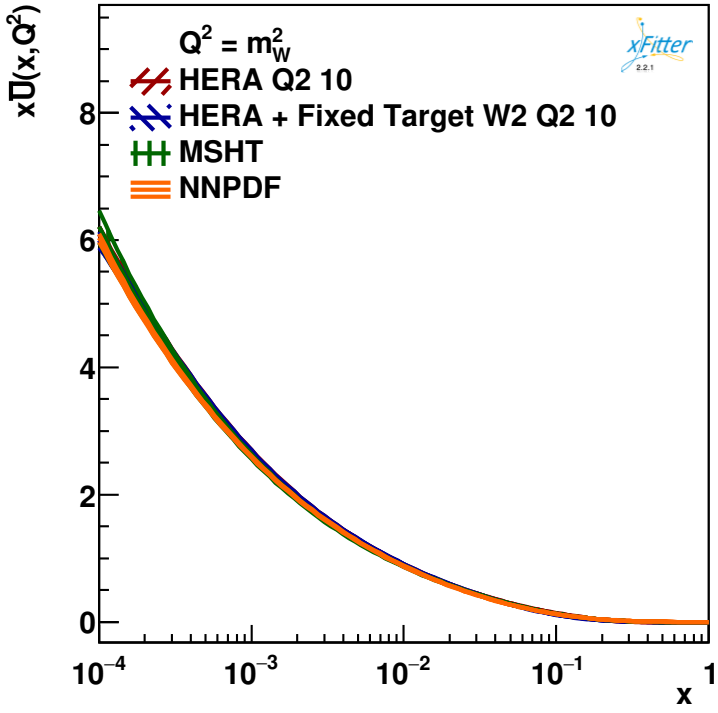

xb(x,Q²)
Q² = m²W
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
x

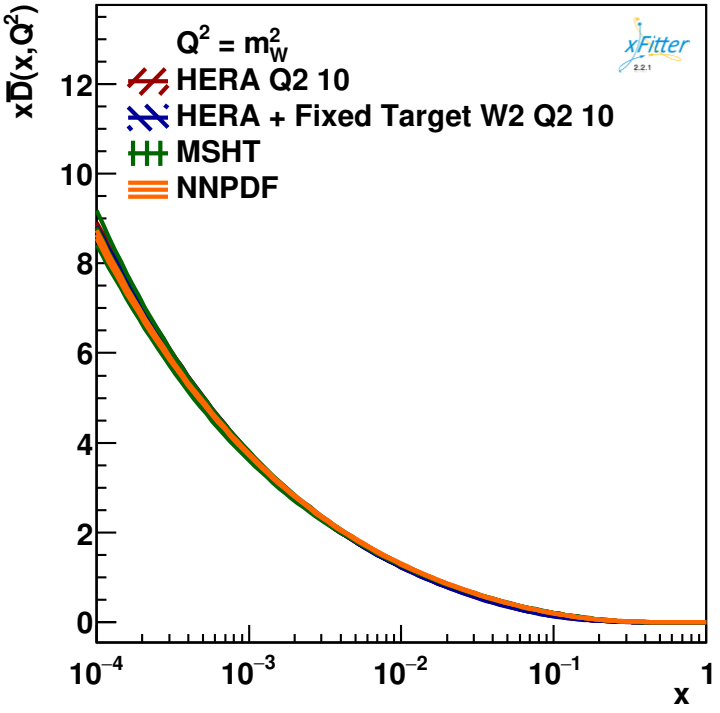

xd̄-ū(x,Q²)
Q² = m²W
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
x

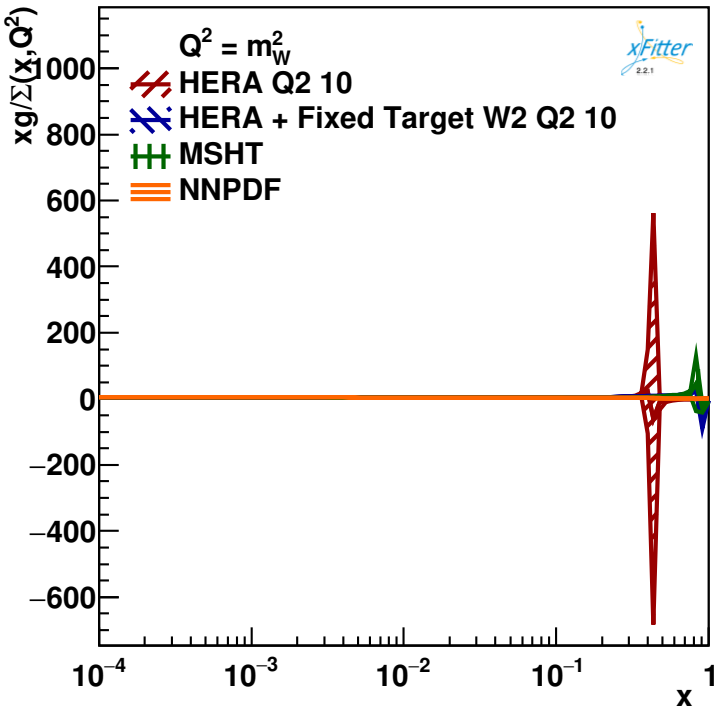

xd_V-u_V(x,Q²)
Q² = m²W
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
x

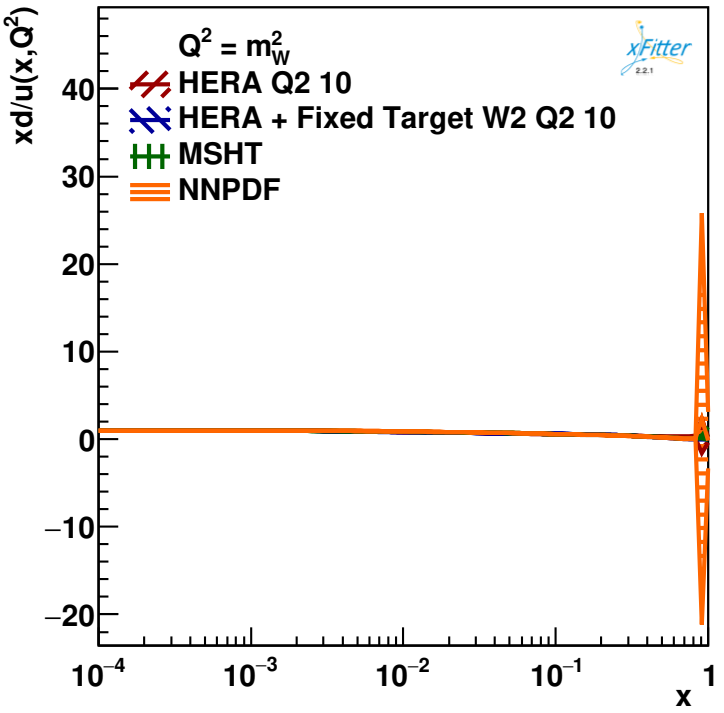

xU(x,Q²)
Q² = m²W
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter
2.2.1
0
2
4
6
8
10⁻⁴
10⁻³
10⁻²
10⁻¹
1
x

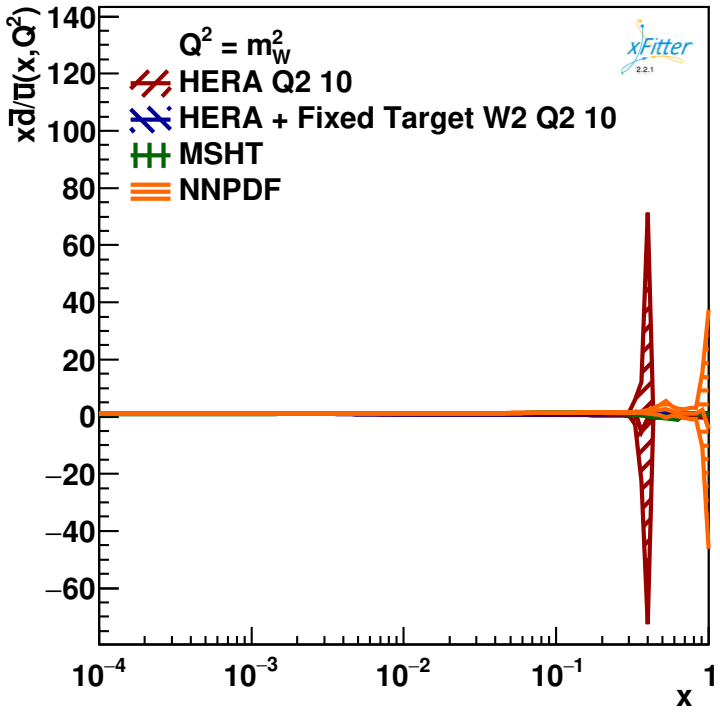

xD(x,Q²)
Q² = m²W
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter
2.2.1
0
2
4
6
8
10
12
10⁻⁴
10⁻³
10⁻²
10⁻¹
1
x

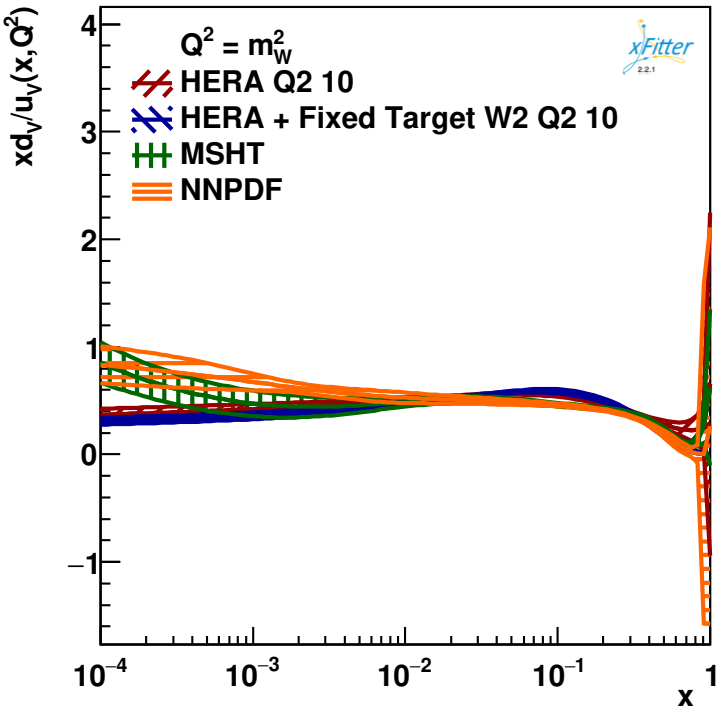

xŪ(x,Q²)
Q² = m²W
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter
2.2.1
0
2
4
6
8
10⁻⁴
10⁻³
10⁻²
10⁻¹
1
x

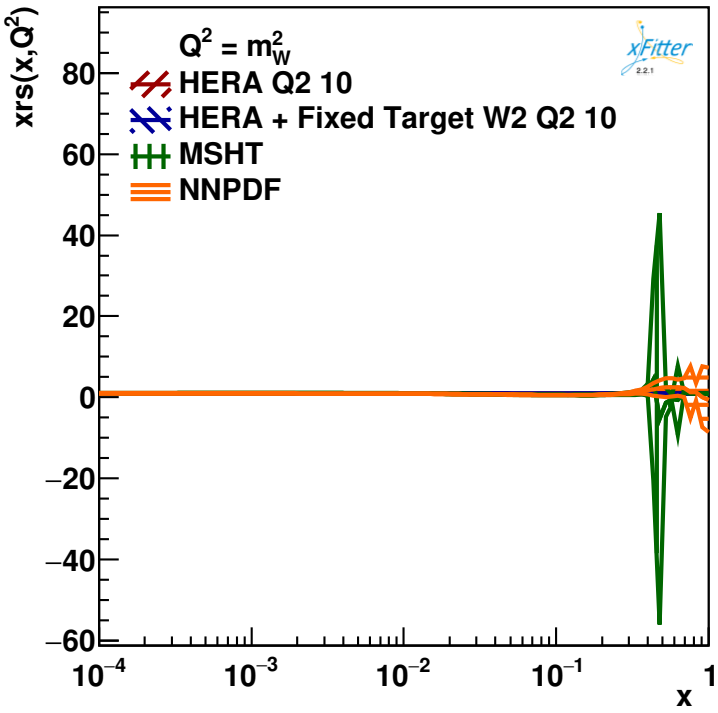

xD̄(x,Q²)
Q² = m²W
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter
2.2.1
0
2
4
6
8
10
12
10⁻⁴
10⁻³
10⁻²
10⁻¹
1
x

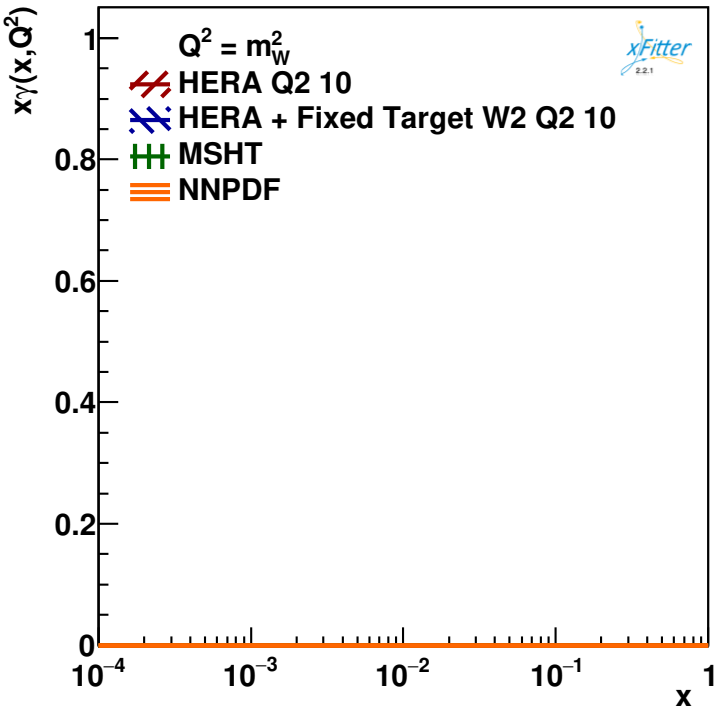

$Q^2 = m_W^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$xg/\Sigma(x,Q^2)$
1000
800
600
400
200
0
−200
−400
−600
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x

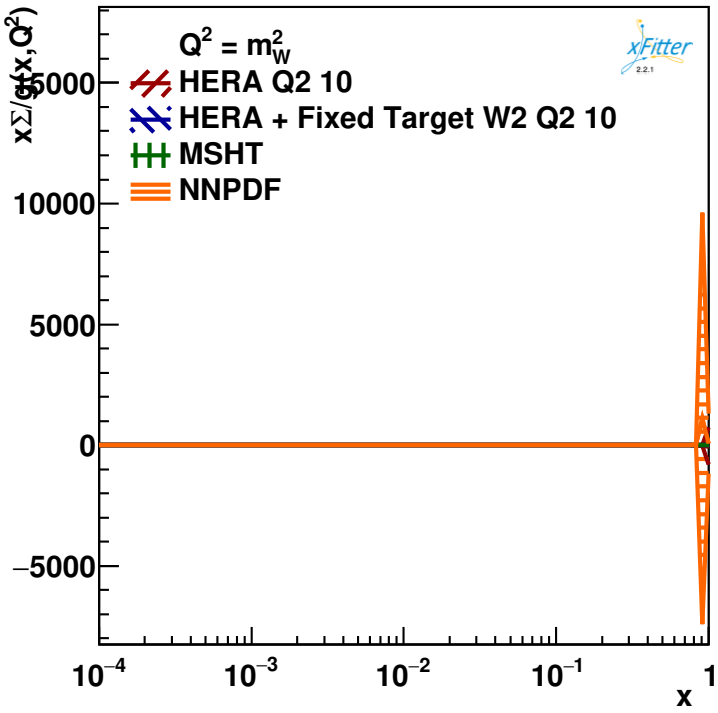

$Q^2 = m_W^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$xd/u(x,Q^2)$
40
30
20
10
0
−10
−20
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x

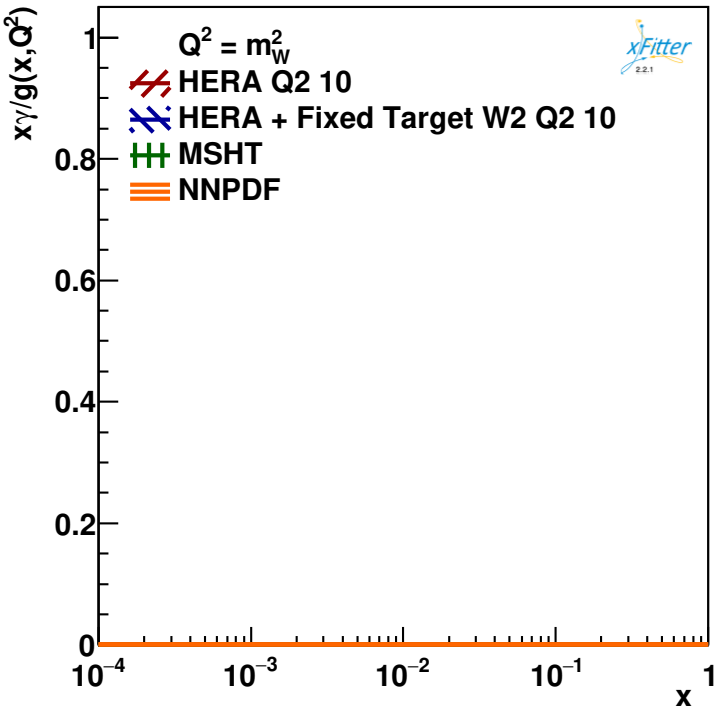

$Q^2 = m_W^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$x\bar{d}/\bar{u}(x,Q^2)$
140
120
100
80
60
40
20
0
−20
−40
−60
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x

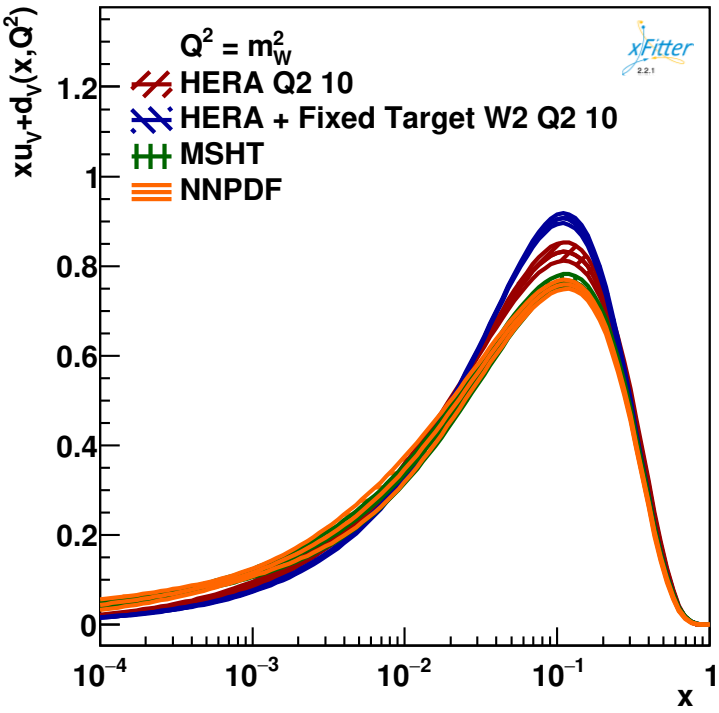

$Q^2 = m_W^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$xd_V/u_V(x,Q^2)$
4
3
2
1
0
−1
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x

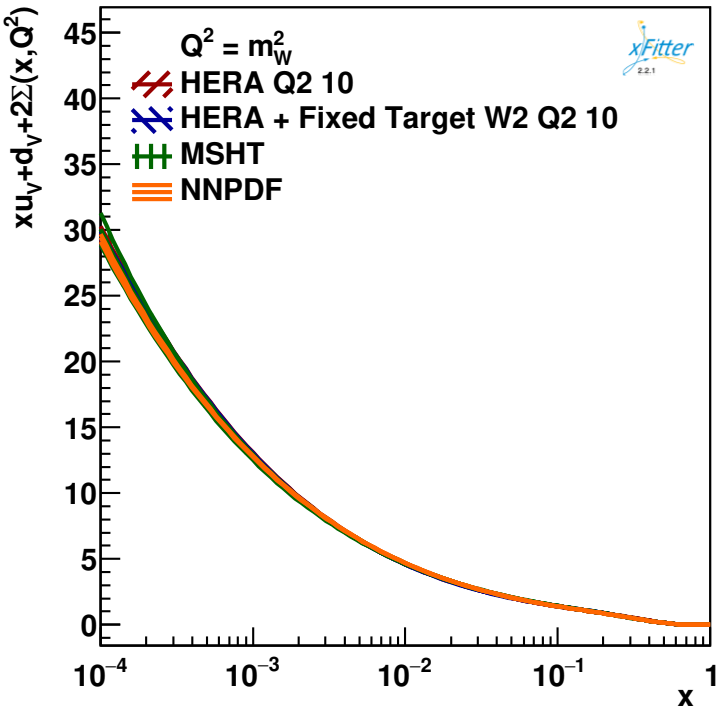

xrs(x,Q²)
Q² = m²W
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
80
60
40
20
0
−20
−40
−60
10⁻⁴
10⁻³
10⁻²
10⁻¹
1
x

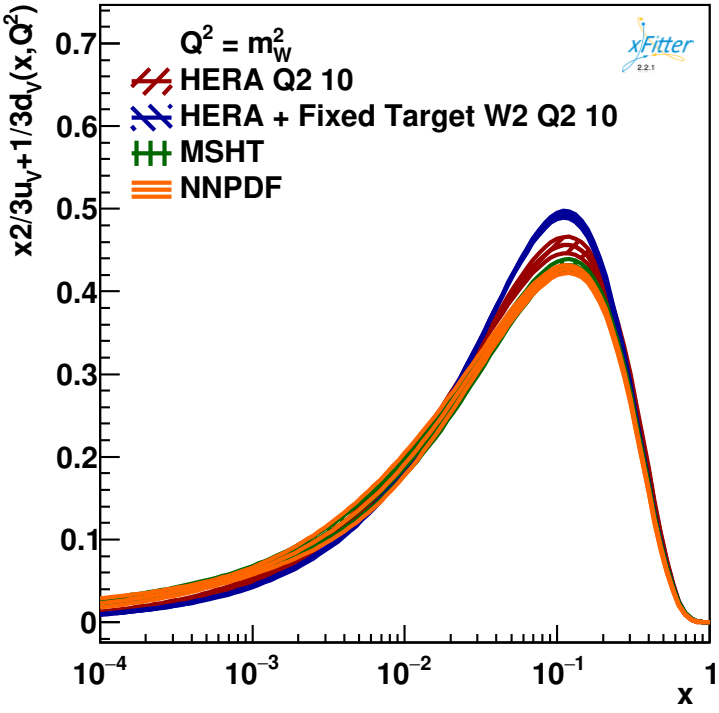

xγ(x,Q²)
Q² = m²W
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
1
0.8
0.6
0.4
0.2
0
10⁻⁴
10⁻³
10⁻²
10⁻¹
1
x

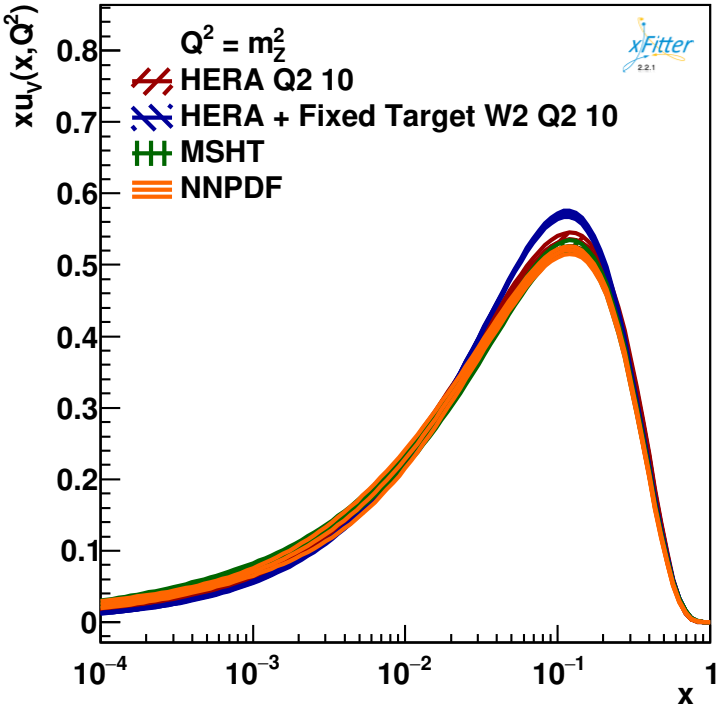

xΣ/g(x,Q²)
Q² = m²W
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
15000
10000
5000
0
−5000
10⁻⁴
10⁻³
10⁻²
10⁻¹
1
x

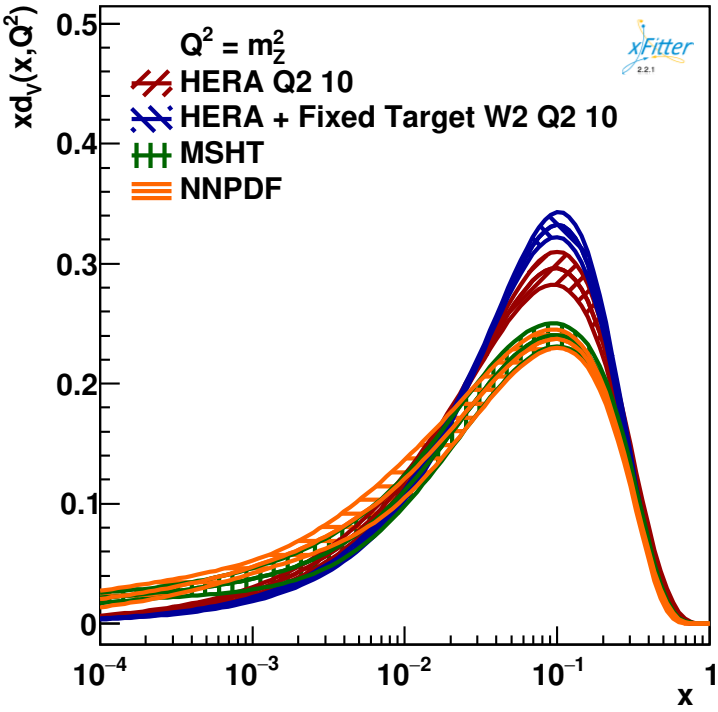

xγ/g(x,Q²)
Q² = m²W
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
1
0.8
0.6
0.4
0.2
0
10⁻⁴
10⁻³
10⁻²
10⁻¹
1
x

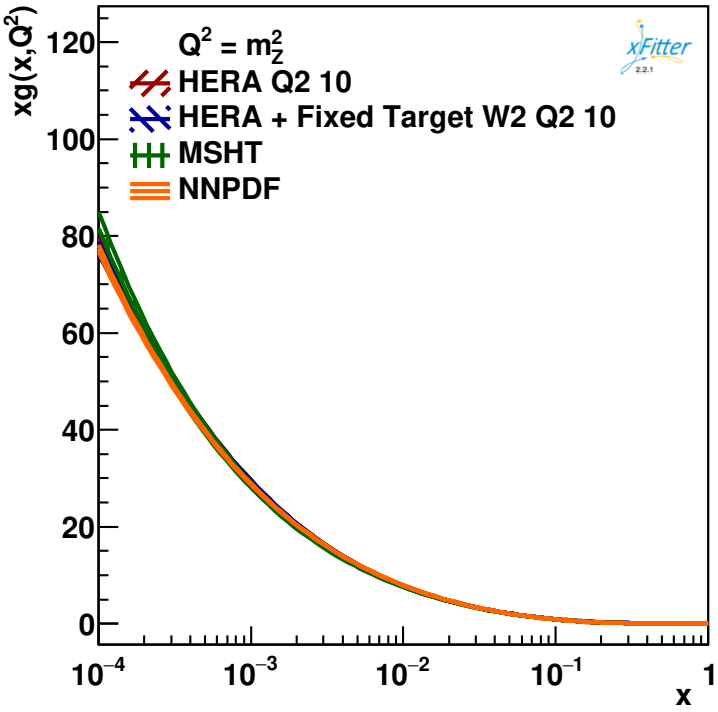

$Q^2 = m_W^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$xu_V+d_V(x,Q^2)$
x

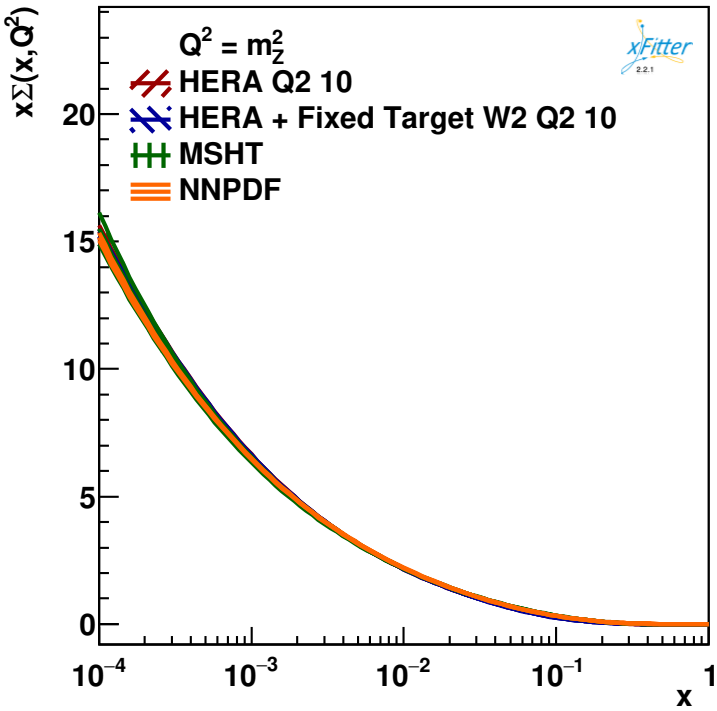

$Q^2 = m_W^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$xu_V+d_V+2\Sigma(x,Q^2)$
x

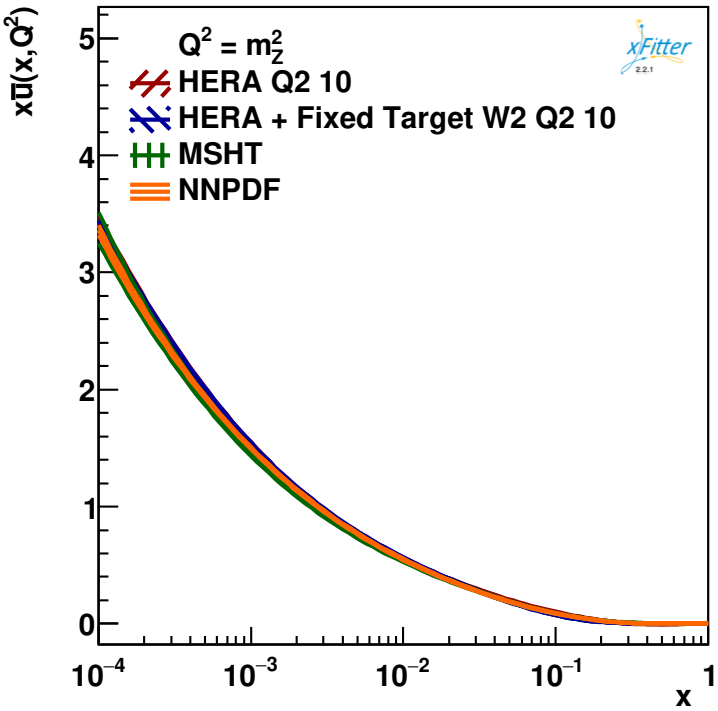

$Q^2 = m_W^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$x2/3u_V+1/3d_V(x,Q^2)$
x

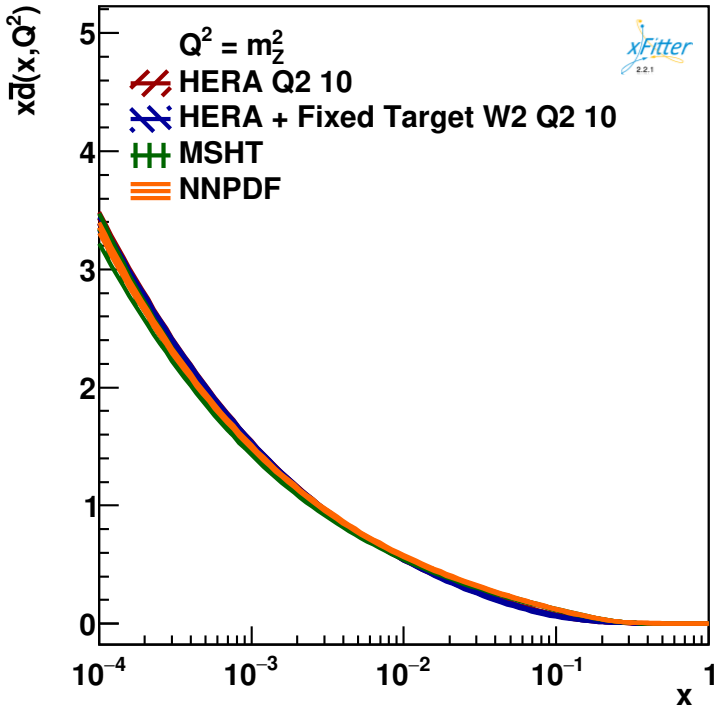

$Q^2 = m_Z^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$xu_V(x,Q^2)$
x

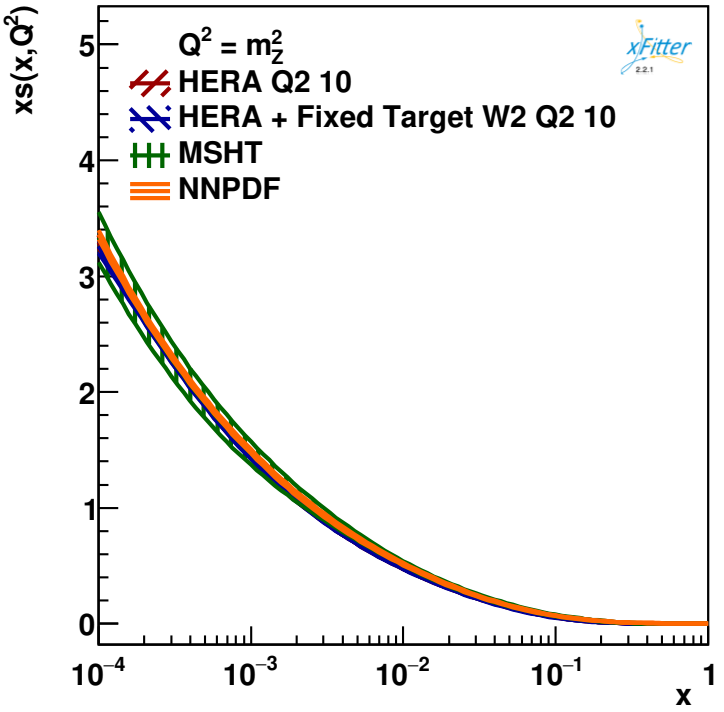

$xd_V(x,Q^2)$
$Q^2 = m_Z^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
0.5
0.4
0.3
0.2
0.1
0
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x

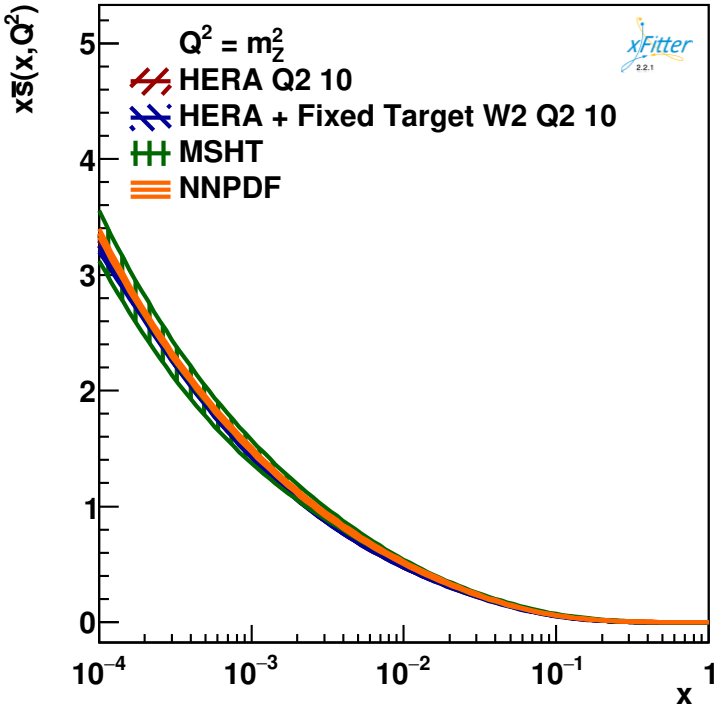

$xg(x,Q^2)$
$Q^2 = m_Z^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
120
100
80
60
40
20
0
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x

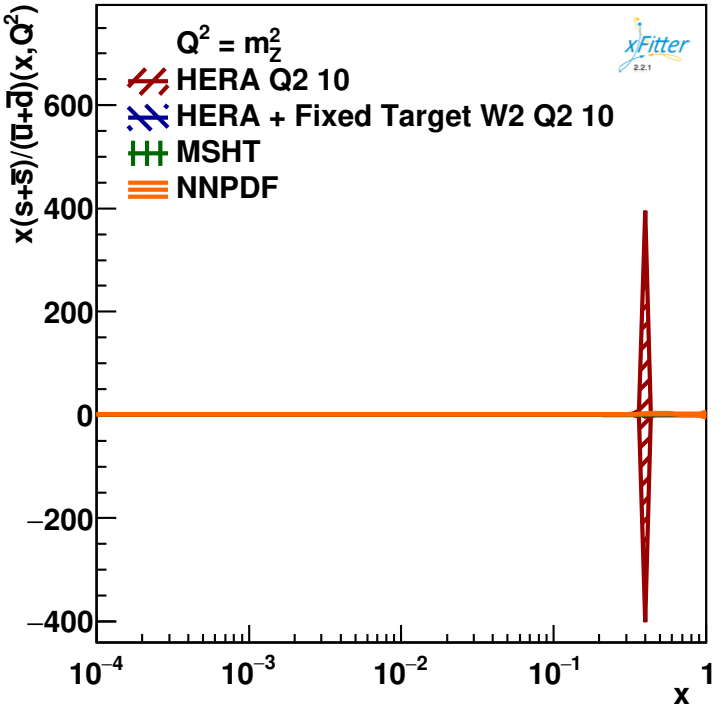

$x\Sigma(x,Q^2)$
$Q^2 = m_Z^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
20
15
10
5
0
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x

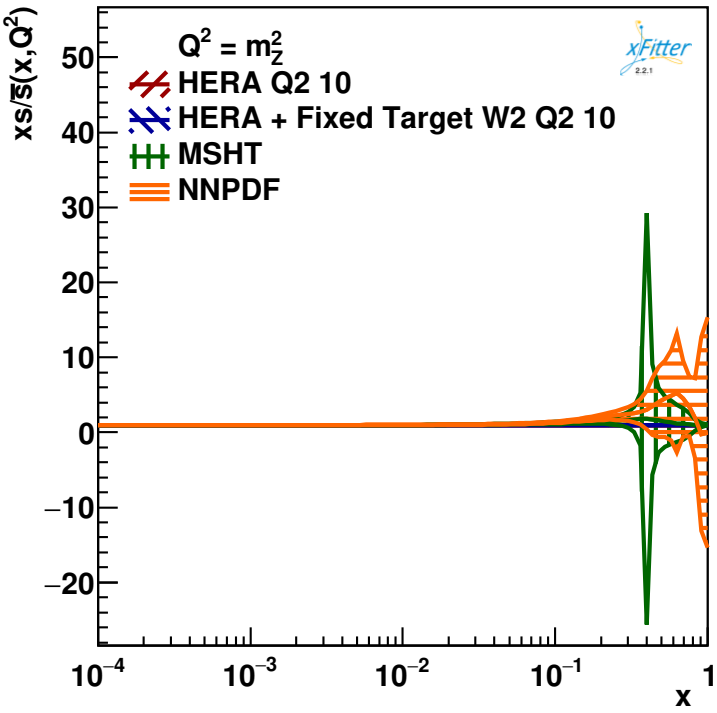

$x\bar{u}(x,Q^2)$
$Q^2 = m_Z^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
5
4
3
2
1
0
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x

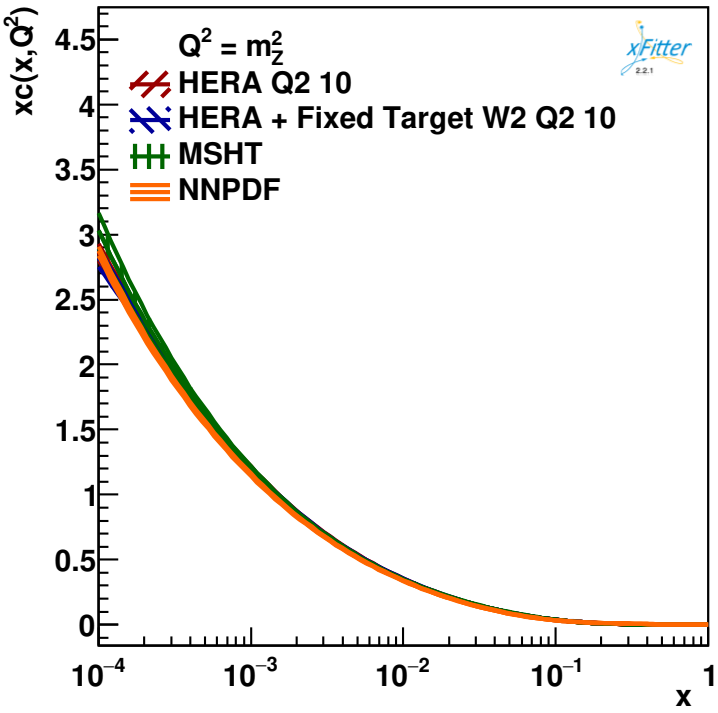

$x\bar{d}(x,Q^2)$
$Q^2 = m_Z^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
x

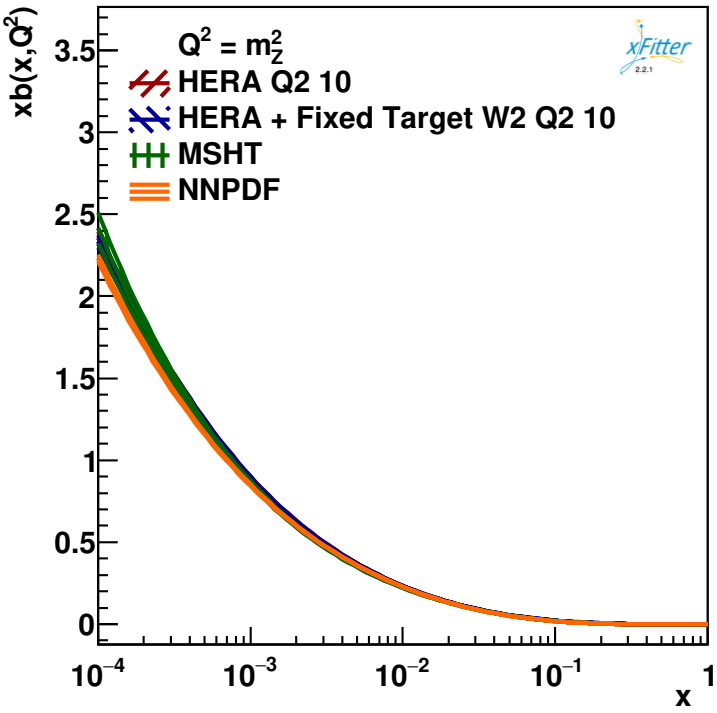

$xs(x,Q^2)$
$Q^2 = m_Z^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
x

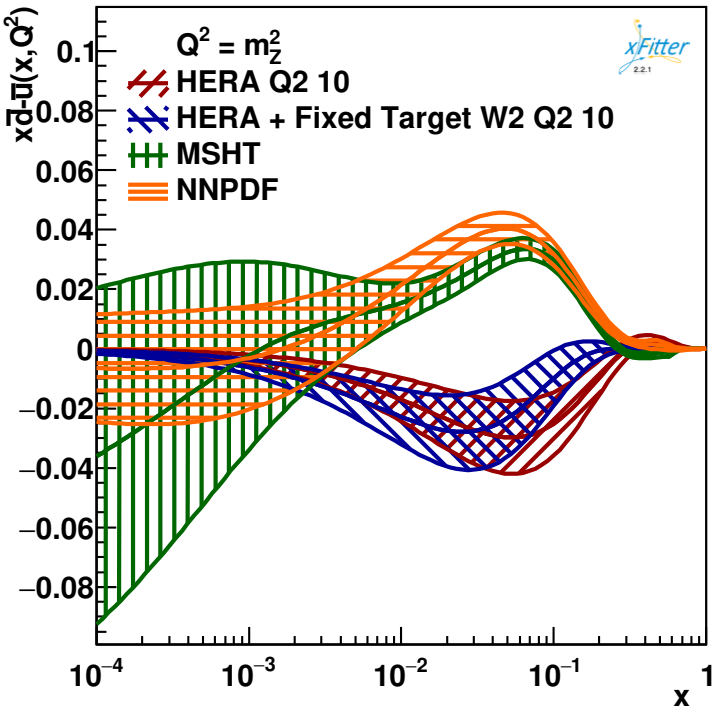

$x\bar{s}(x,Q^2)$
$Q^2 = m_Z^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
x

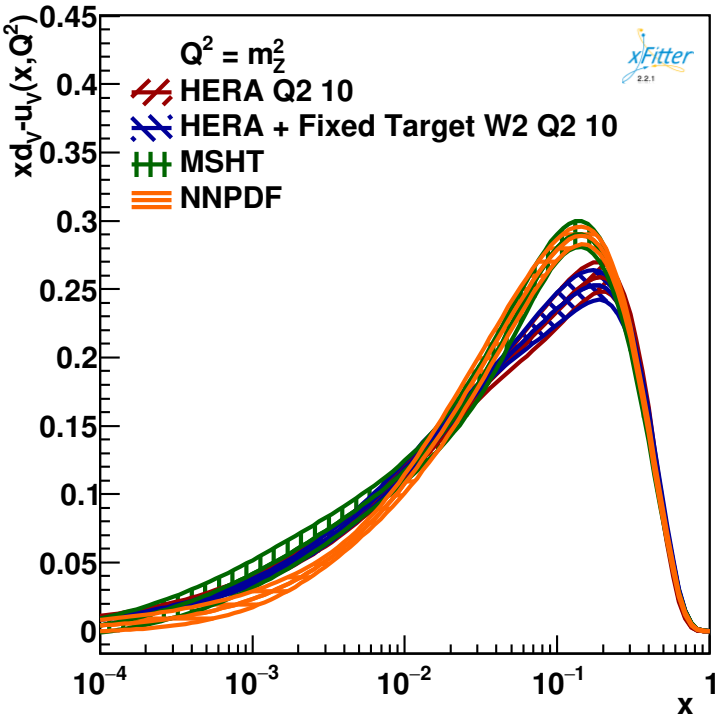

$x(s+\bar{s})/(\bar{u}+\bar{d})(x,Q^2)$
$Q^2 = m_Z^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
x

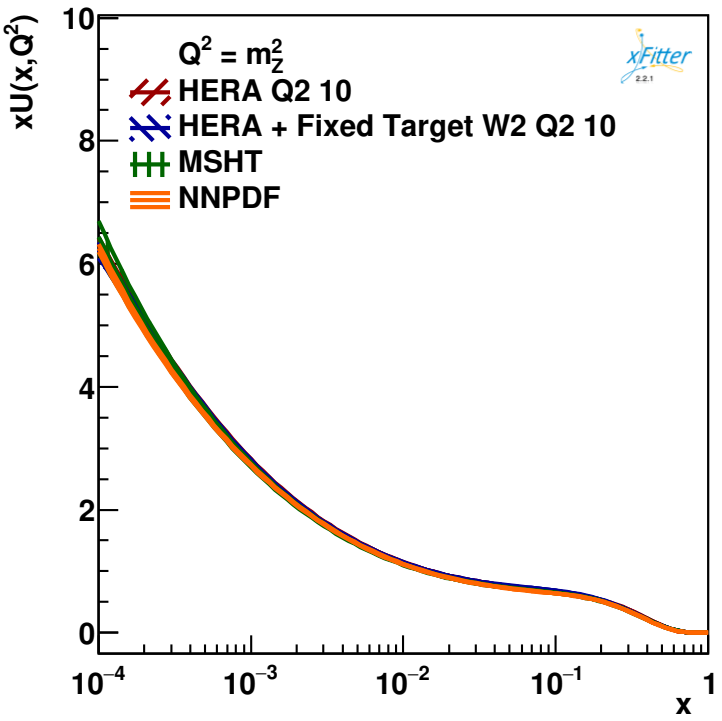

xs/s̄(x,Q²)
Q² = m²Z
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
x

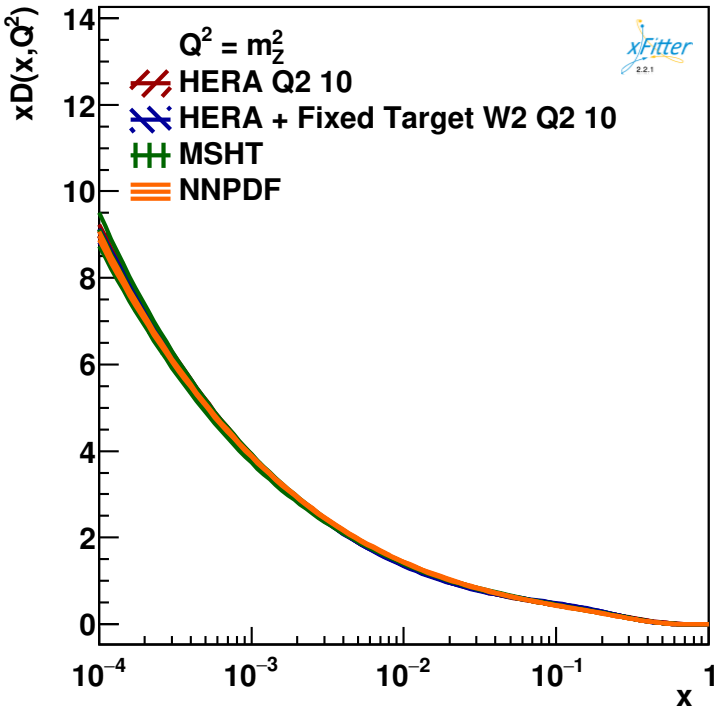

xc(x,Q²)
Q² = m²Z
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
x

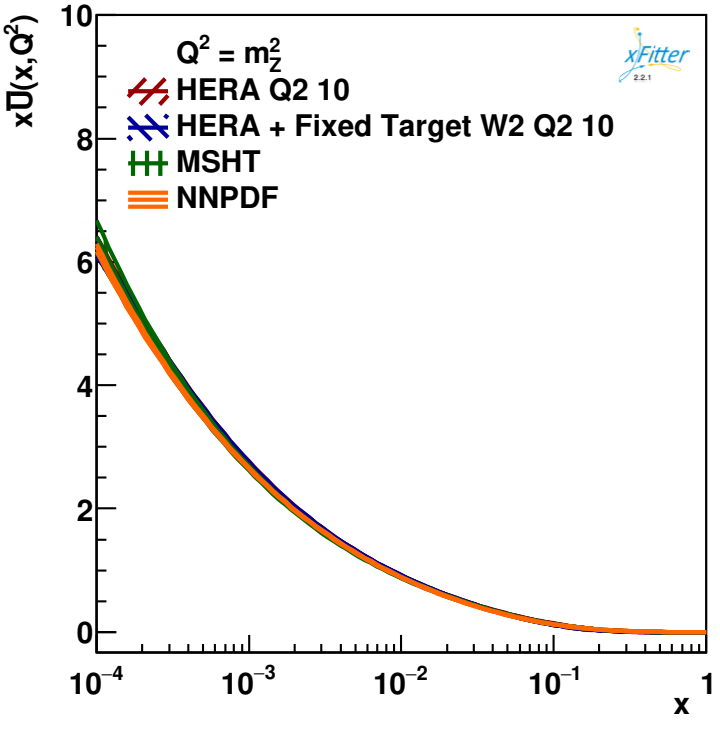

xb(x,Q²)
Q² = m²Z
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
x

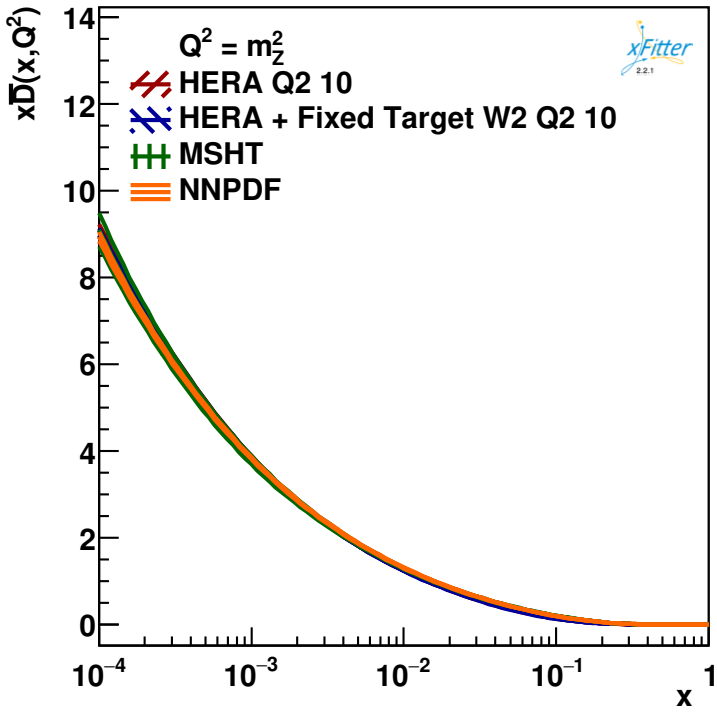

xd̄-ū(x,Q²)
Q² = m²Z
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
x

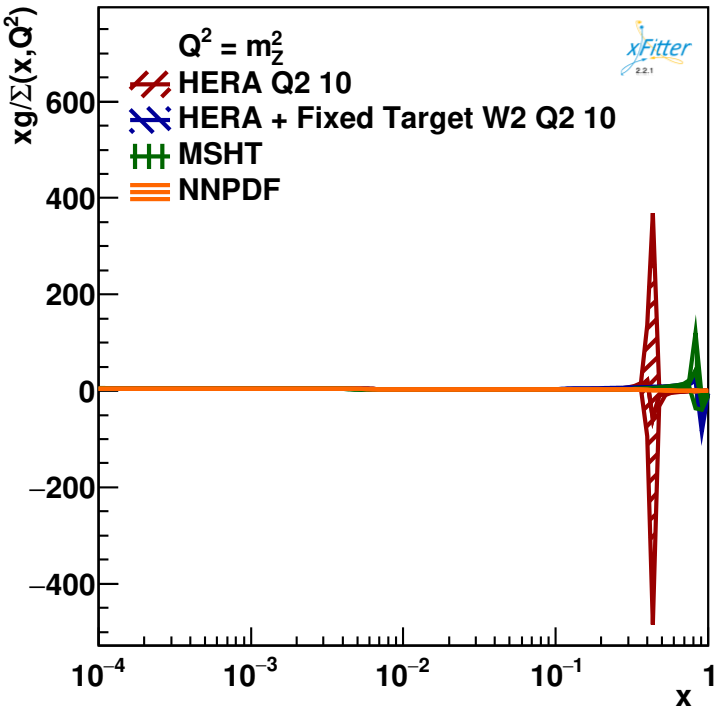

$xd_V\text{-}u_V(x,Q^2)$
$Q^2 = m_Z^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x

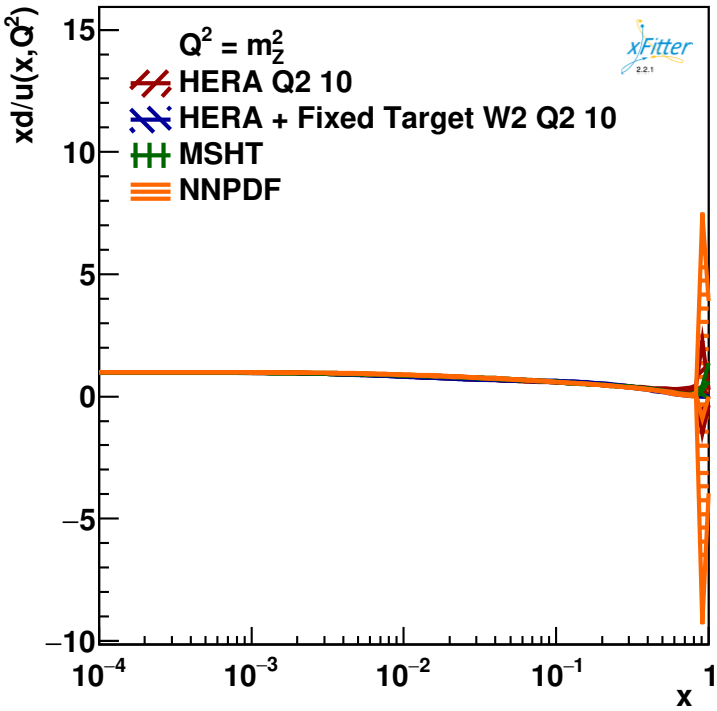

$xU(x,Q^2)$
$Q^2 = m_Z^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
10
8
6
4
2
0
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x

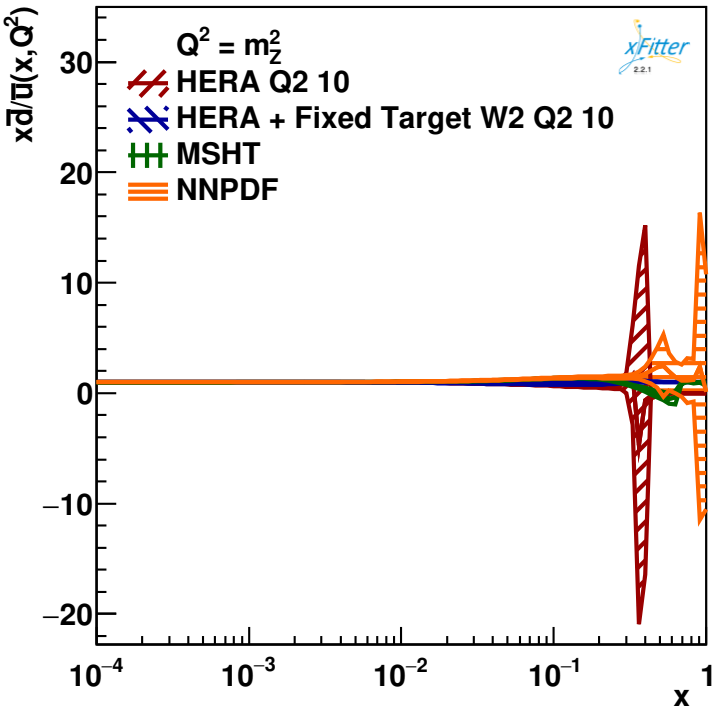

$xD(x,Q^2)$
$Q^2 = m_Z^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
14
12
10
8
6
4
2
0
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x

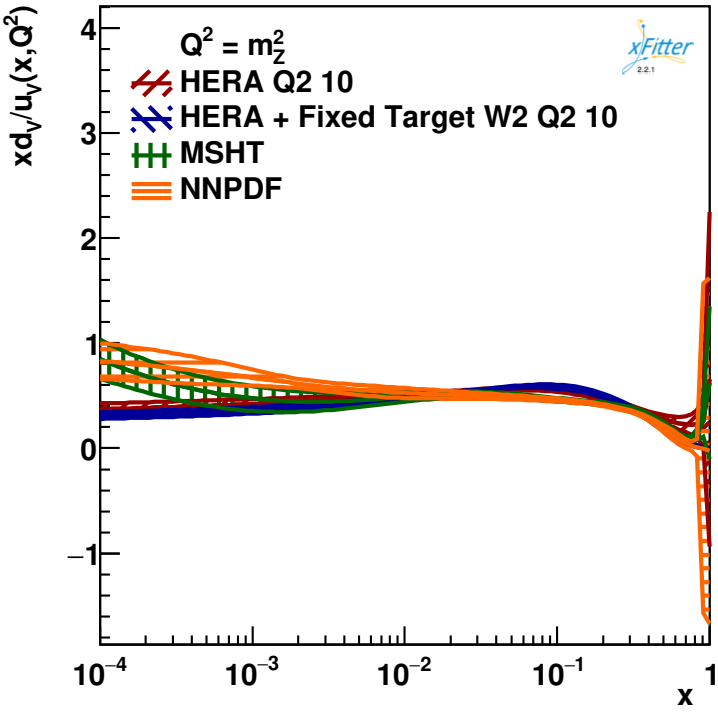

$x\bar{U}(x,Q^2)$
$Q^2 = m_Z^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
10
8
6
4
2
0
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x

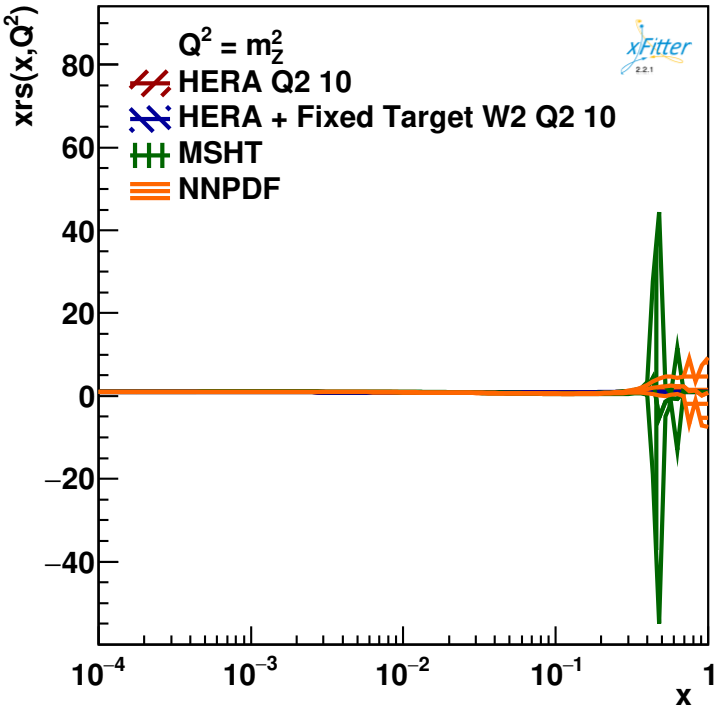

$xD(x,Q^2)$
$Q^2 = m_Z^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
x

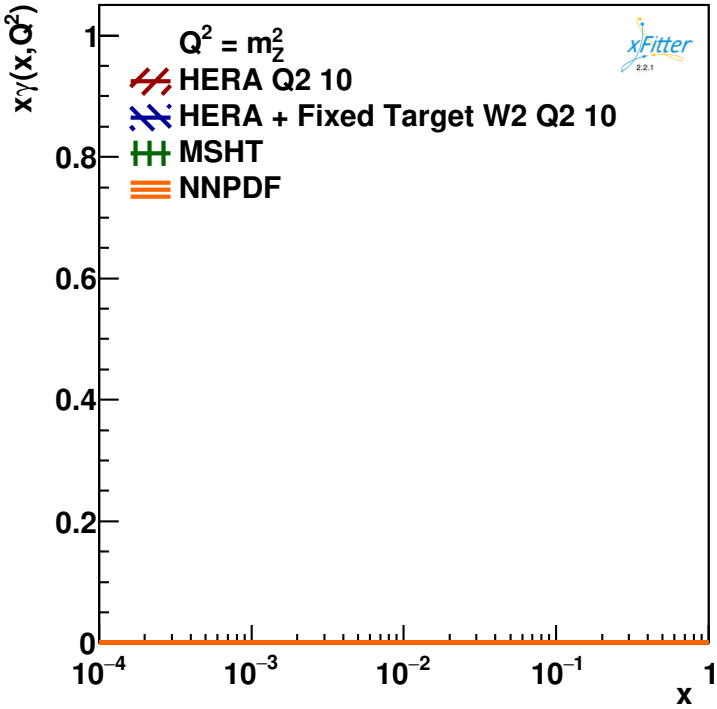

$xg/\Sigma(x,Q^2)$
$Q^2 = m_Z^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
x

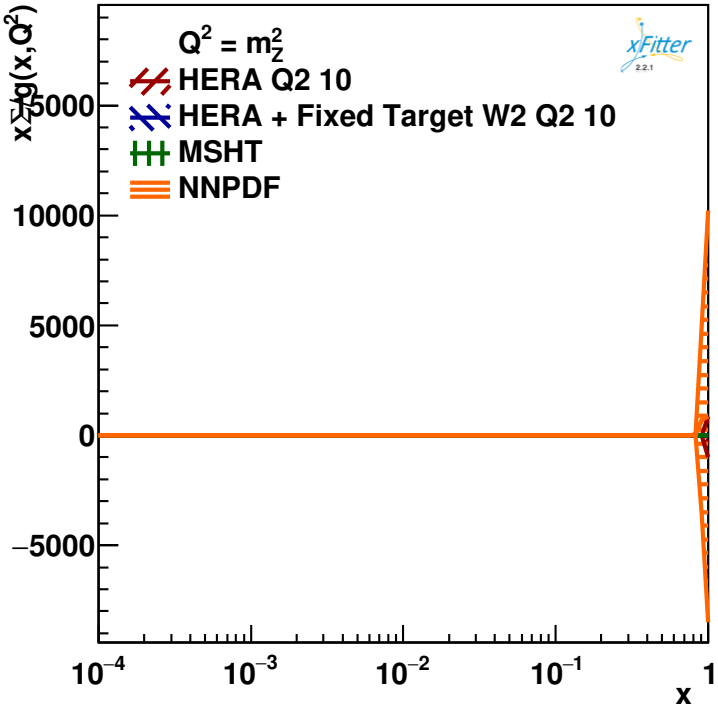

$xd/u(x,Q^2)$
$Q^2 = m_Z^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
x

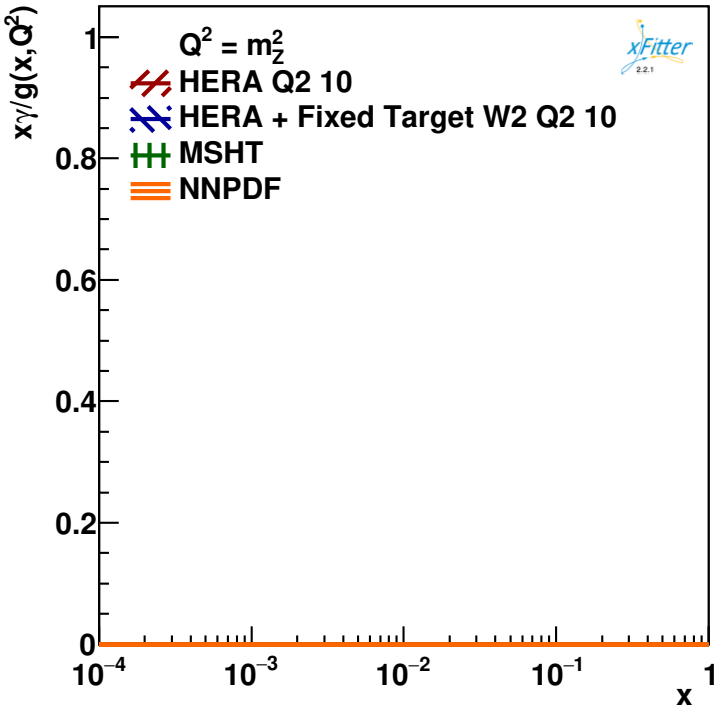

$x\bar{d}/\bar{u}(x,Q^2)$
$Q^2 = m_Z^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
x

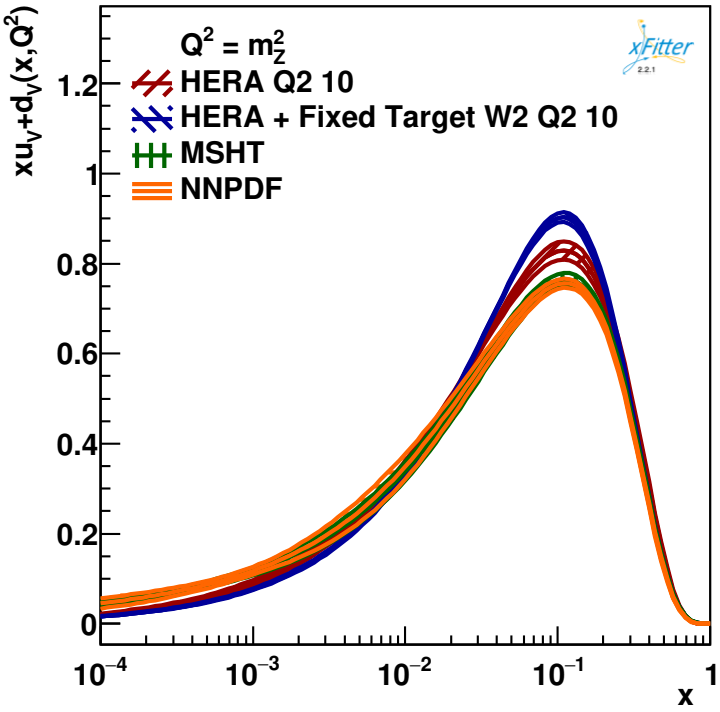

$xd_v/u_v(x,Q^2)$
$Q^2 = m_Z^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
x

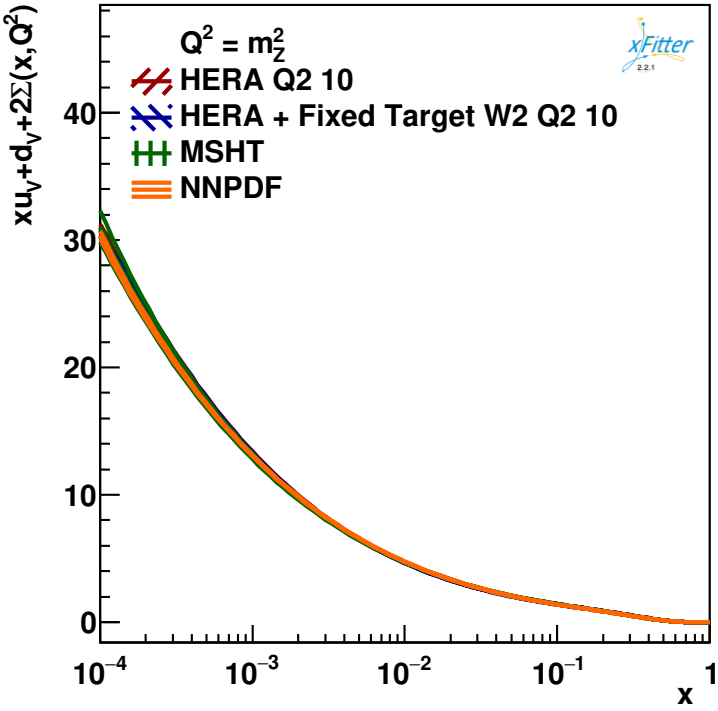

$xrs(x,Q^2)$
$Q^2 = m_Z^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
x

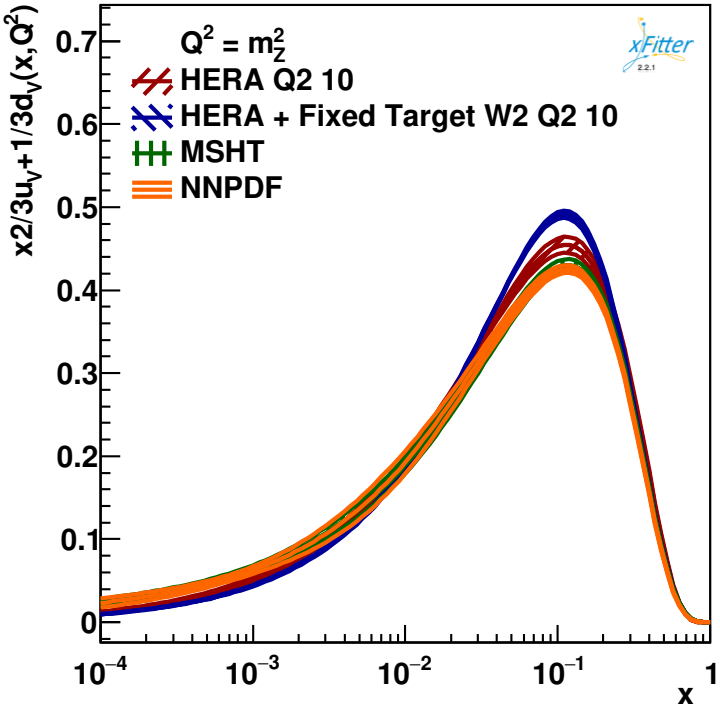

$x\gamma(x,Q^2)$
$Q^2 = m_Z^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
x

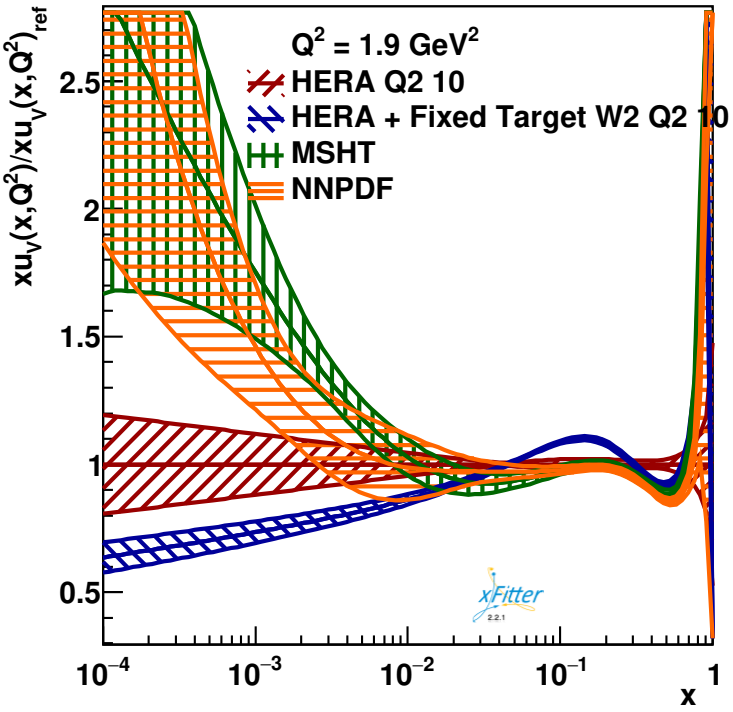

$x\Sigma g(x,Q^2)$
$Q^2 = m_Z^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
x

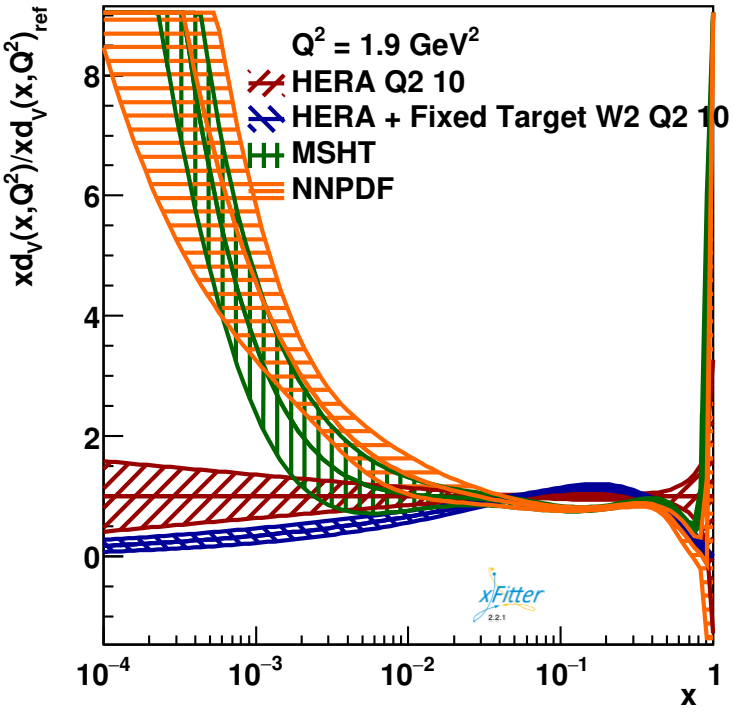

$Q^2 = m_Z^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$x\gamma/g(x,Q^2)$
x

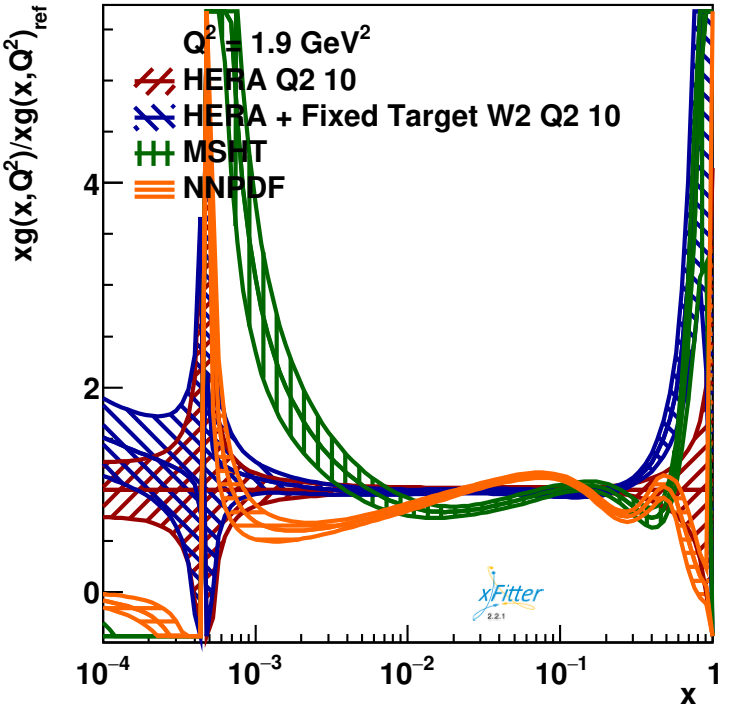

$Q^2 = m_Z^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$xu_v+d_v(x,Q^2)$
x

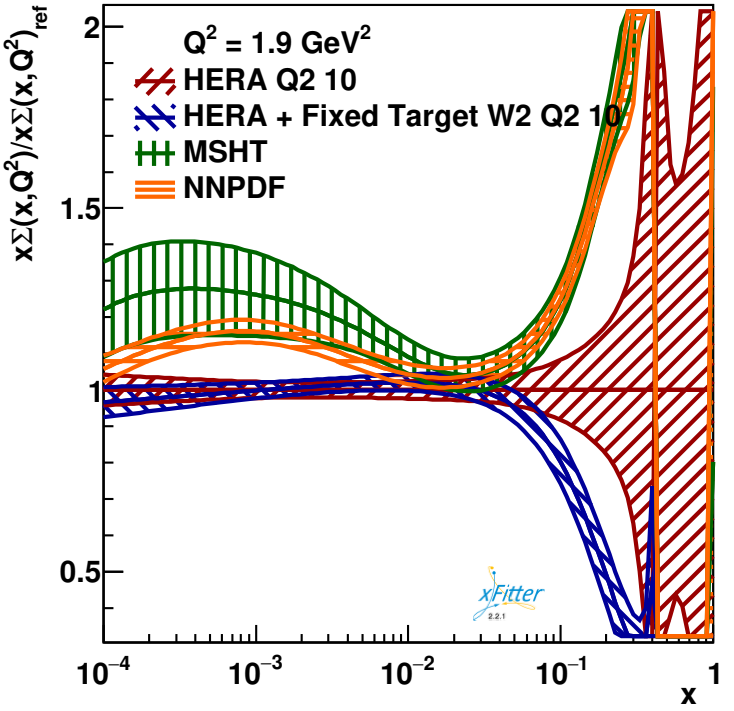

$Q^2 = m_Z^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$xu_v+d_v+2\Sigma(x,Q^2)$
x

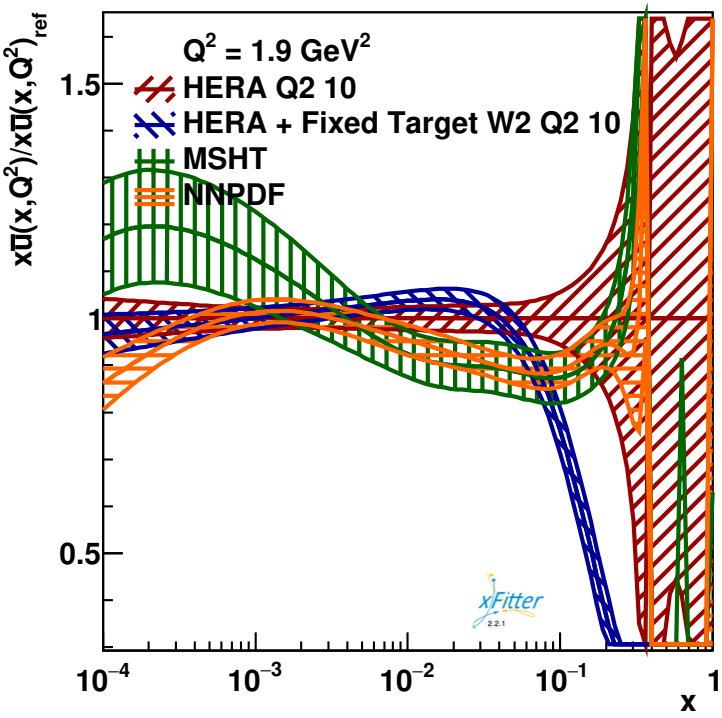

$Q^2 = m_Z^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter 2.2.1
$x2/3u_v+1/3d_v(x,Q^2)$
x

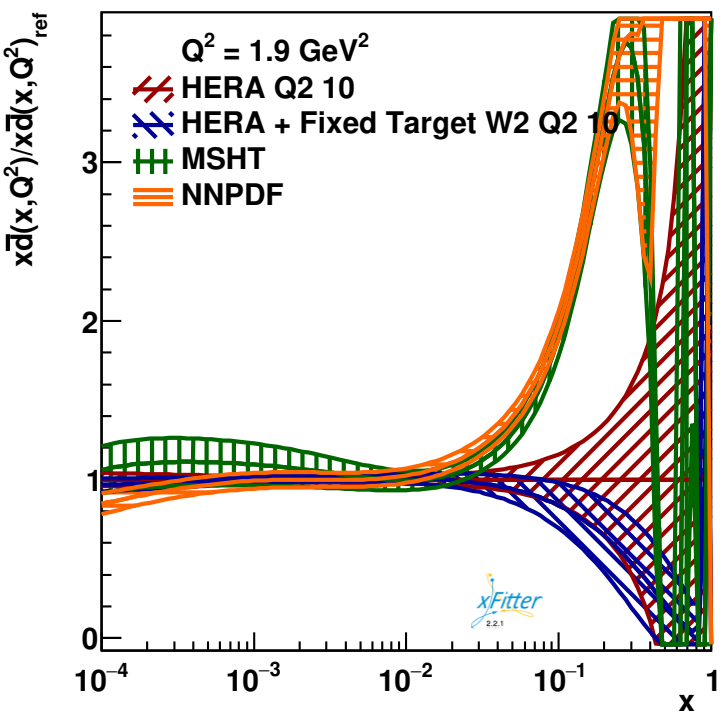

$xu_V(x,Q^2)/xu_V(x,Q^2)_{ref}$
Q^2 = 1.9 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter
x

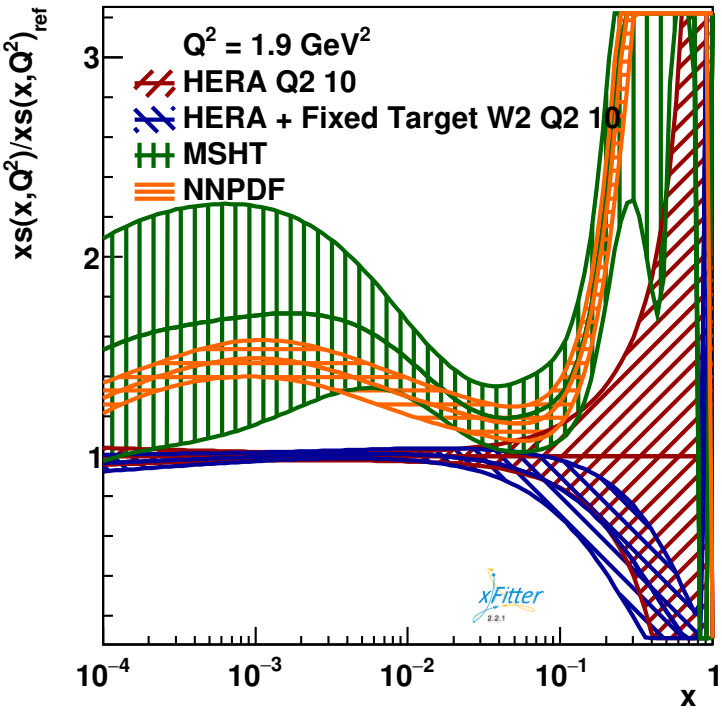

$xd_V(x,Q^2)/xd_V(x,Q^2)_{ref}$
Q^2 = 1.9 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter
x

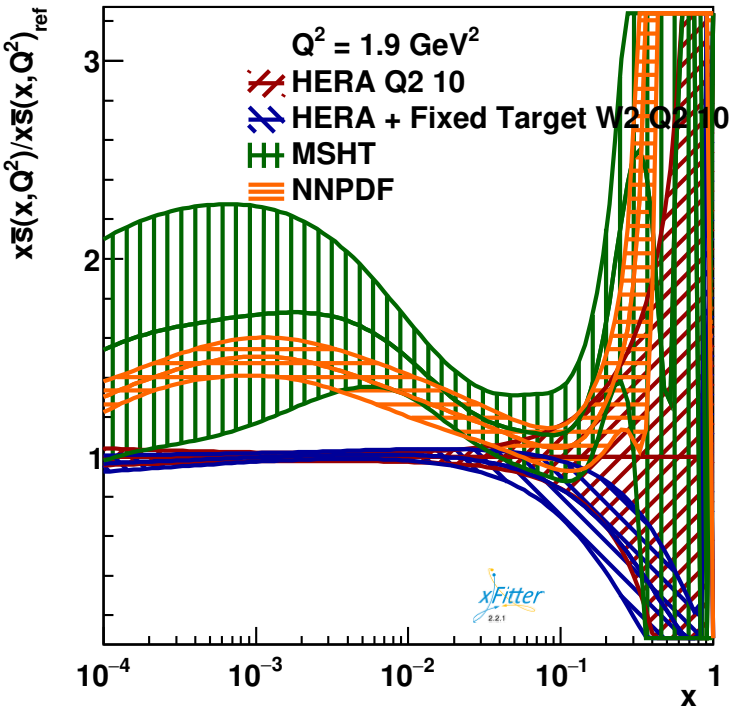

$xg(x,Q^2)/xg(x,Q^2)_{ref}$
Q^2 = 1.9 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter
x

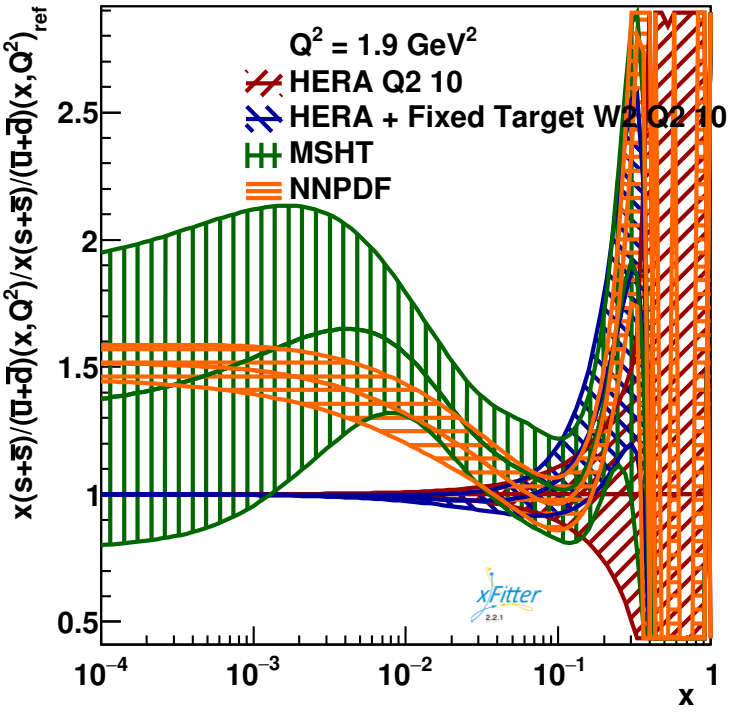

$x\Sigma(x,Q^2)/x\Sigma(x,Q^2)_{ref}$
Q^2 = 1.9 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter
x

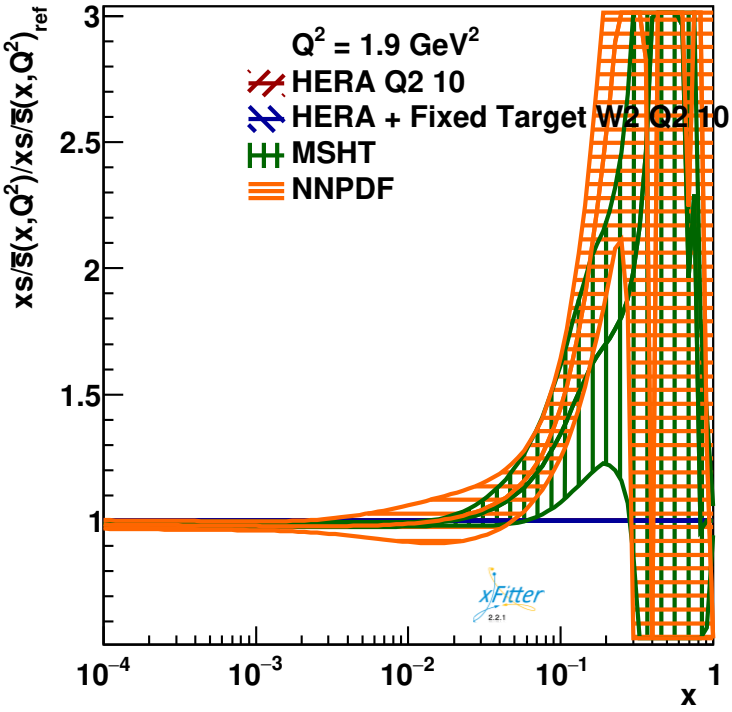

Q^2 = 1.9 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$x\bar{u}(x,Q^2)/x\bar{u}(x,Q^2)_{ref}$
x
xFitter

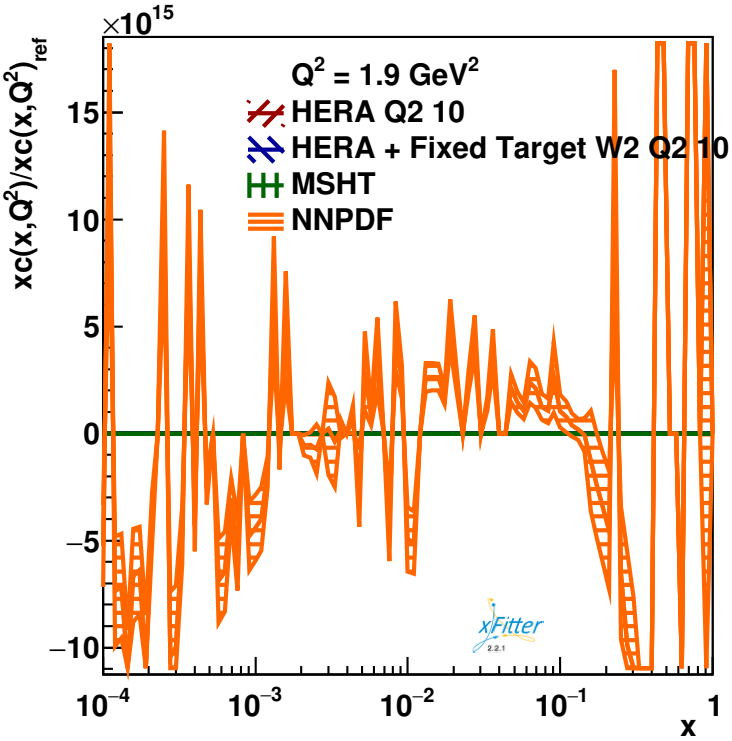

Q^2 = 1.9 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$x\bar{d}(x,Q^2)/x\bar{d}(x,Q^2)_{ref}$
x
xFitter

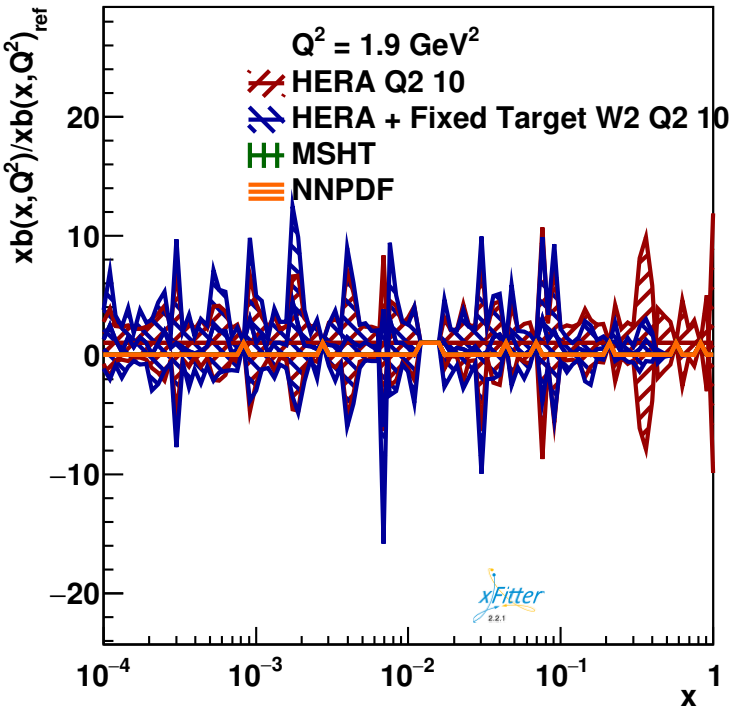

Q^2 = 1.9 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xs(x,Q^2)/xs(x,Q^2)_{ref}$
x
xFitter

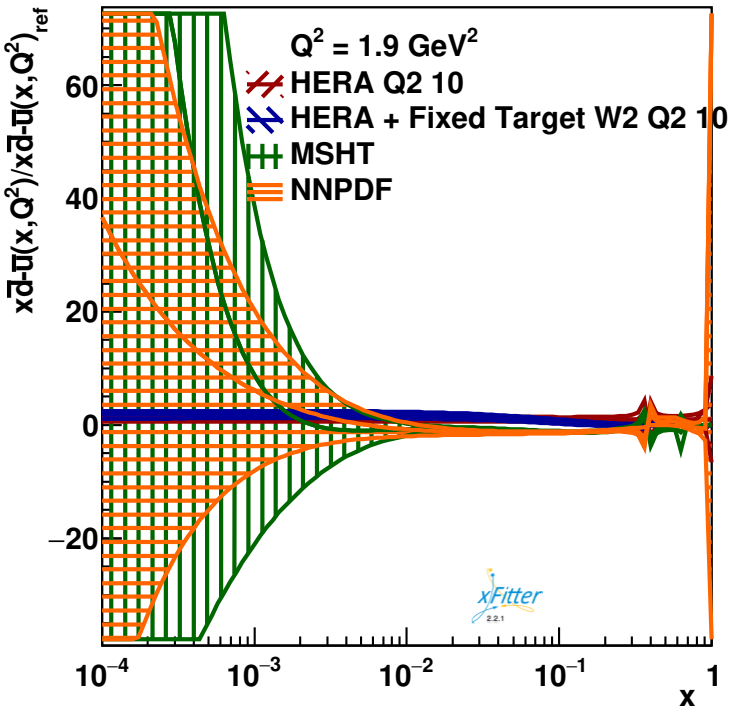

Q^2 = 1.9 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$x\bar{s}(x,Q^2)/x\bar{s}(x,Q^2)_{ref}$
x
xFitter

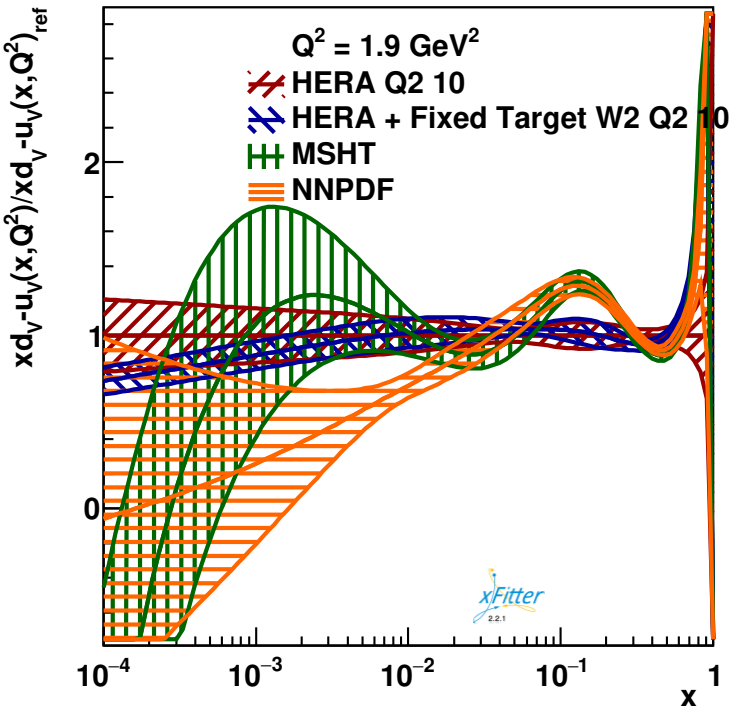

Q^2 = 1.9 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$x(s+\bar{s})/(\bar{u}+\bar{d})(x,Q^2)/x(s+\bar{s})/(\bar{u}+\bar{d})(x,Q^2)_{ref}$
x
xFitter

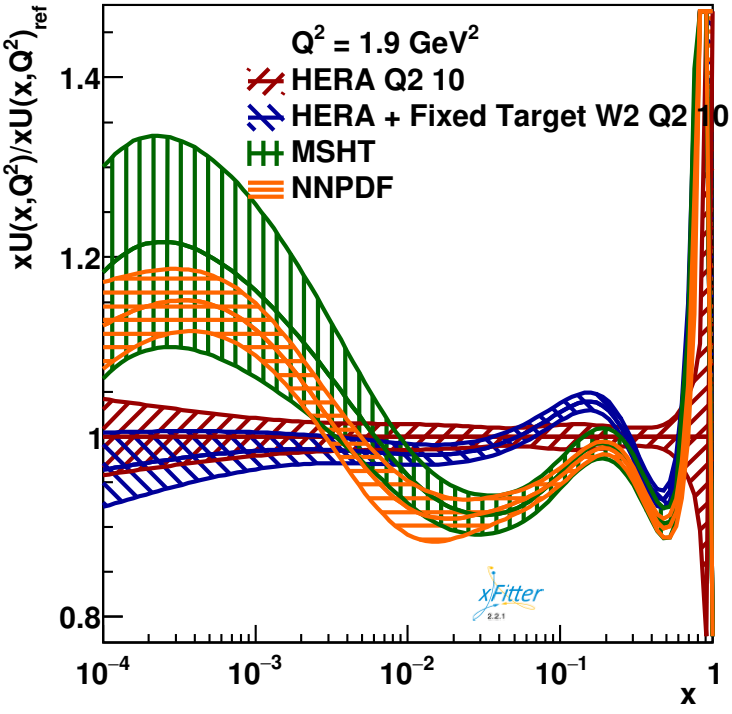

Q^2 = 1.9 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xs/\bar{s}(x,Q^2)/xs/\bar{s}(x,Q^2)_{ref}$
x
xFitter

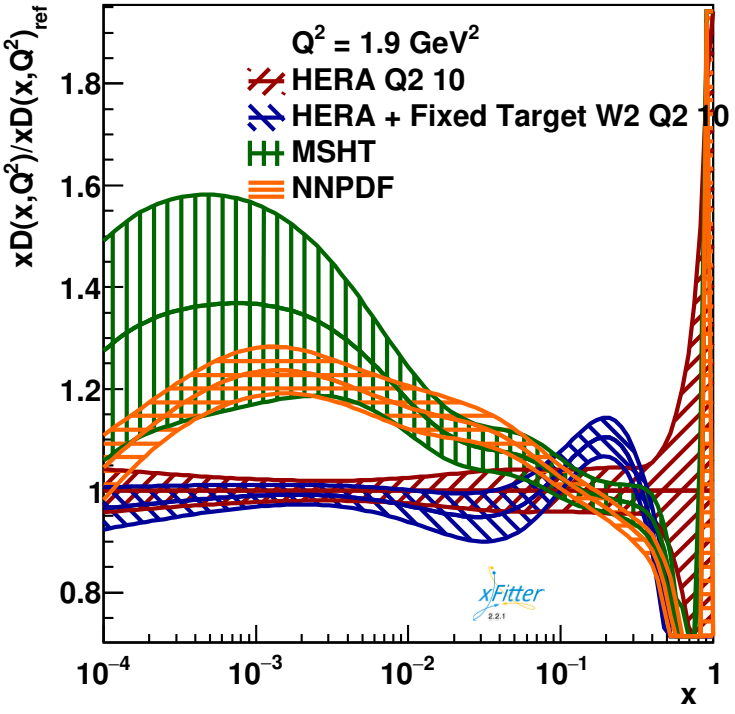

$\times 10^{15}$
Q^2 = 1.9 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xc(x,Q^2)/xc(x,Q^2)_{ref}$
x
xFitter

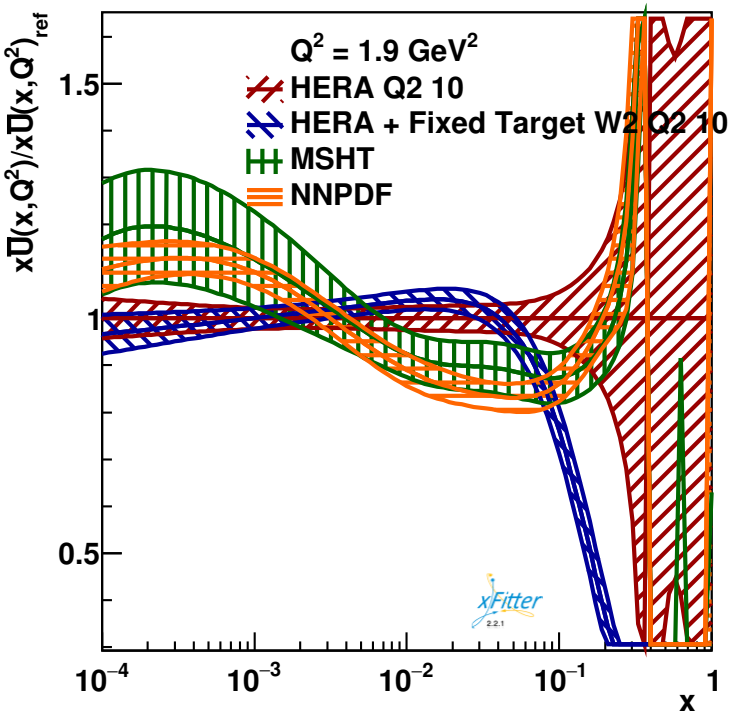

Q^2 = 1.9 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xb(x,Q^2)/xb(x,Q^2)_{ref}$
x
xFitter

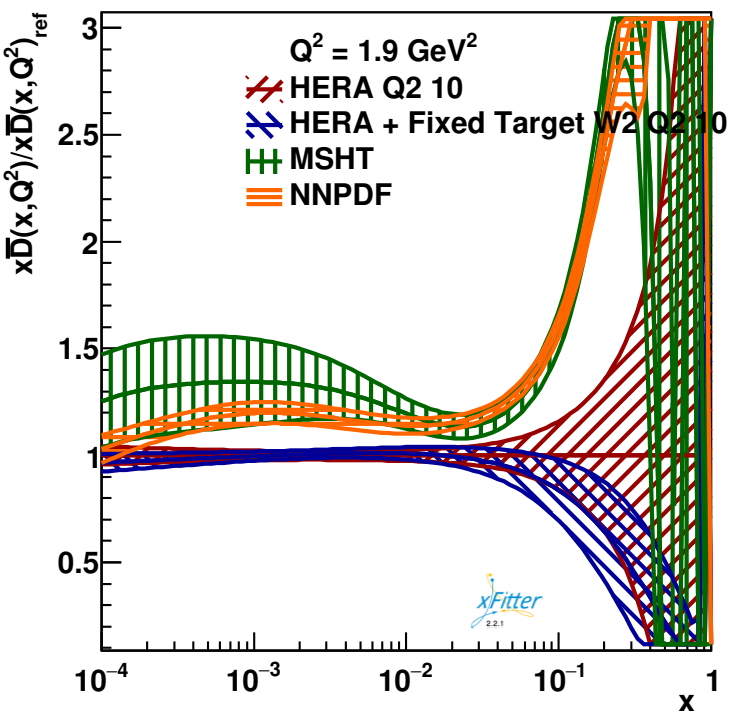

Q^2 = 1.9 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$x\bar{d}-\bar{u}(x,Q^2)/x\bar{d}-\bar{u}(x,Q^2)_{ref}$
x
xFitter

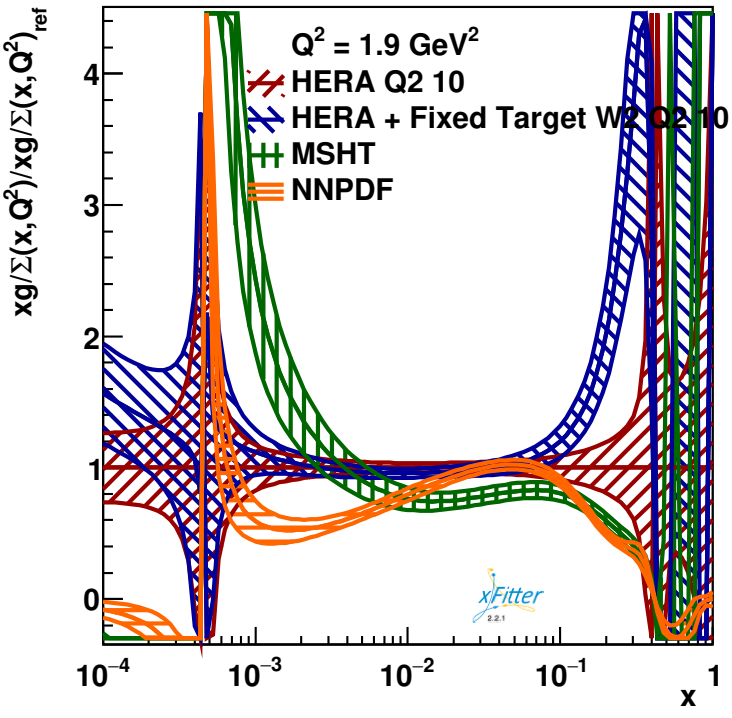

Q^2 = 1.9 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xd_V-u_V(x,Q^2)/xd_V-u_V(x,Q^2)_{ref}$
x
xFitter

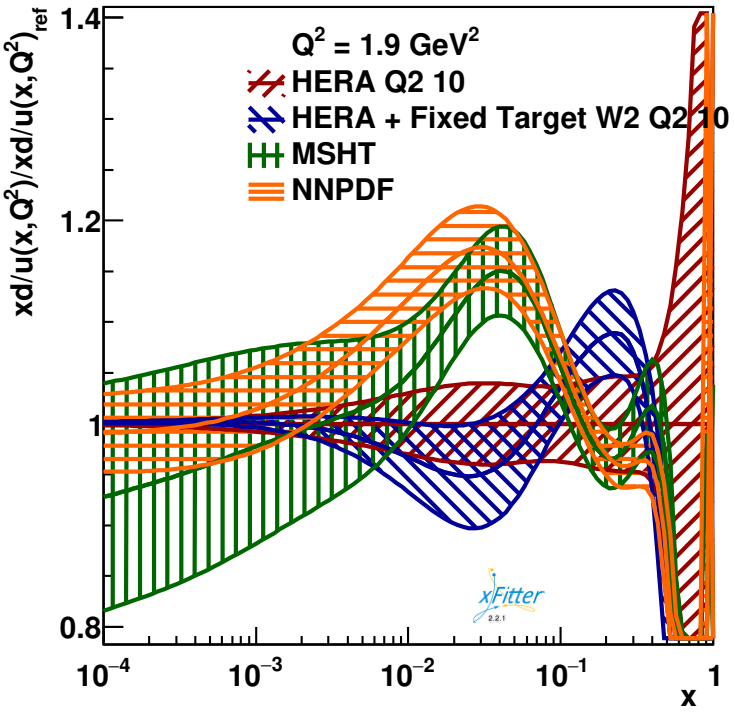

Q^2 = 1.9 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xU(x,Q^2)/xU(x,Q^2)_{ref}$
x
xFitter

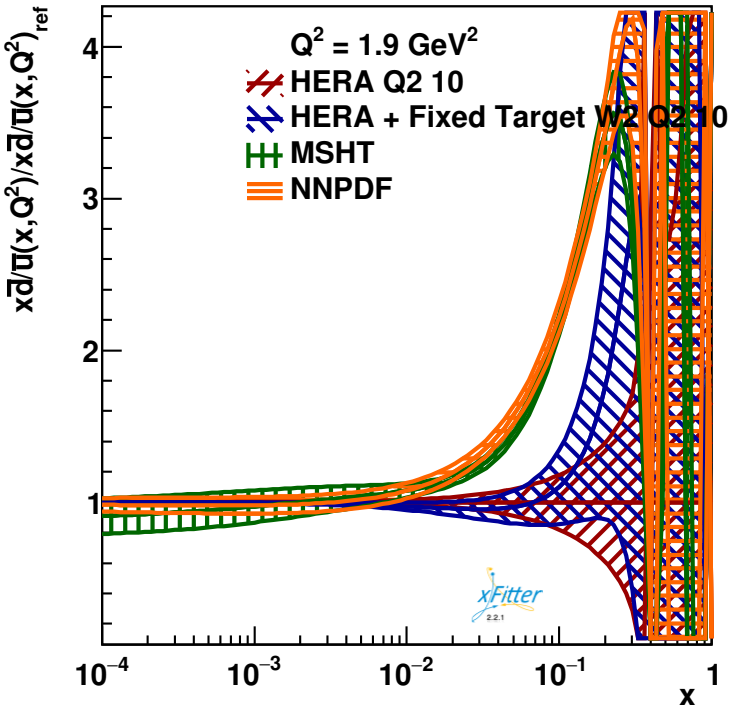

Q^2 = 1.9 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xD(x,Q^2)/xD(x,Q^2)_{ref}$
x
xFitter

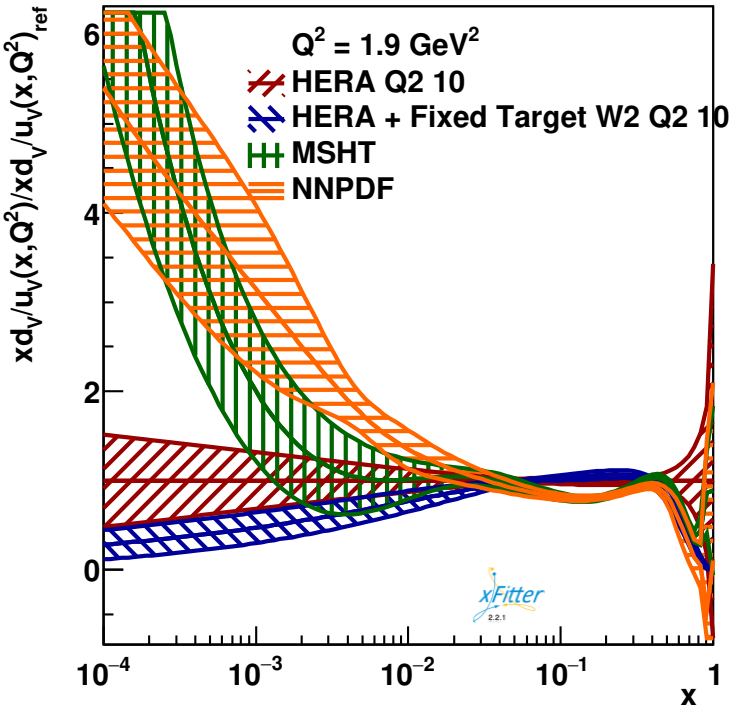

Q^2 = 1.9 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$x\bar{U}(x,Q^2)/x\bar{U}(x,Q^2)_{ref}$
x
xFitter

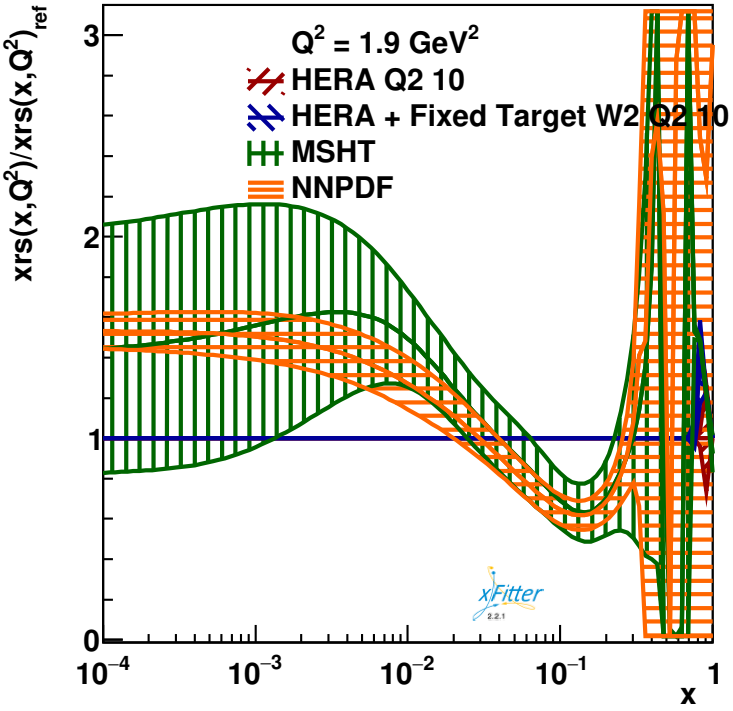

Q^2 = 1.9 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$x\bar{D}(x,Q^2)/x\bar{D}(x,Q^2)_{ref}$
x
xFitter

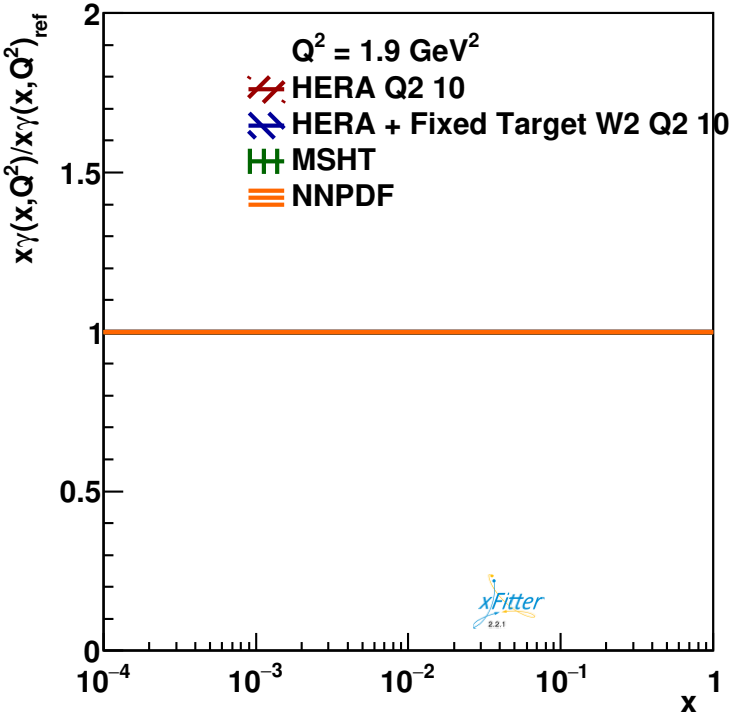

Q^2 = 1.9 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xg/\Sigma(x,Q^2)/xg/\Sigma(x,Q^2)_{ref}$
x
xFitter

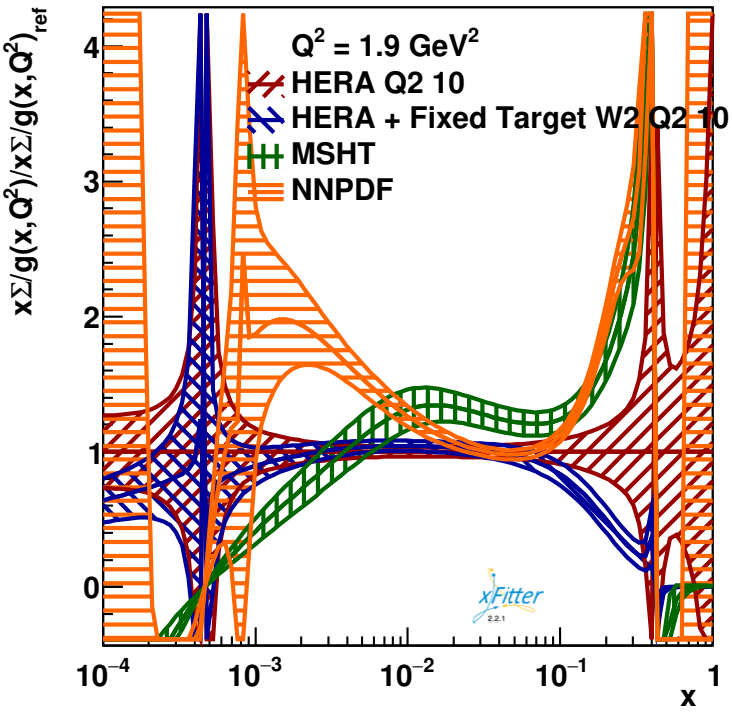

Q^2 = 1.9 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xd/u(x,Q^2)/xd/u(x,Q^2)_{ref}$
x
xFitter

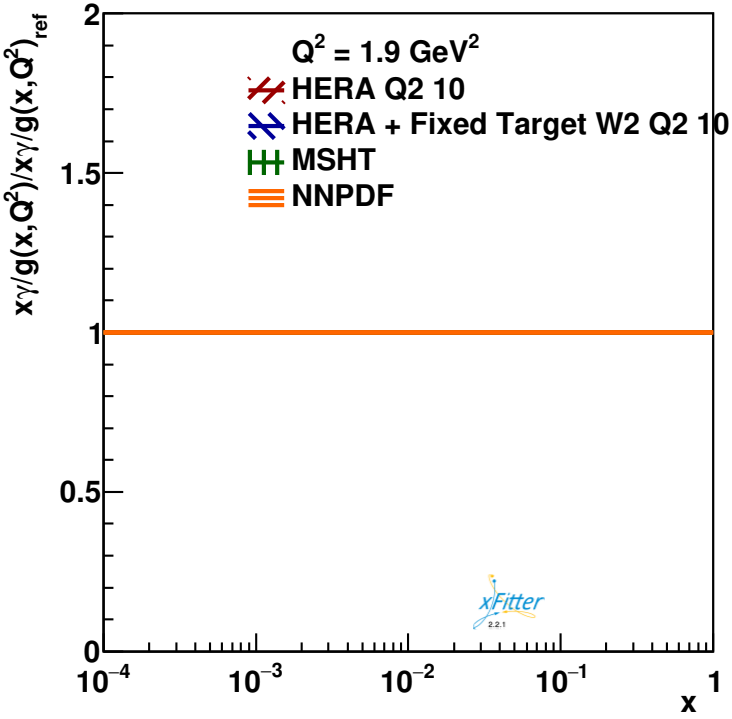

$x\bar{d}/\bar{u}(x,Q^2)/x\bar{d}/\bar{u}(x,Q^2)_{ref}$
Q^2 = 1.9 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter
2.2.1
x

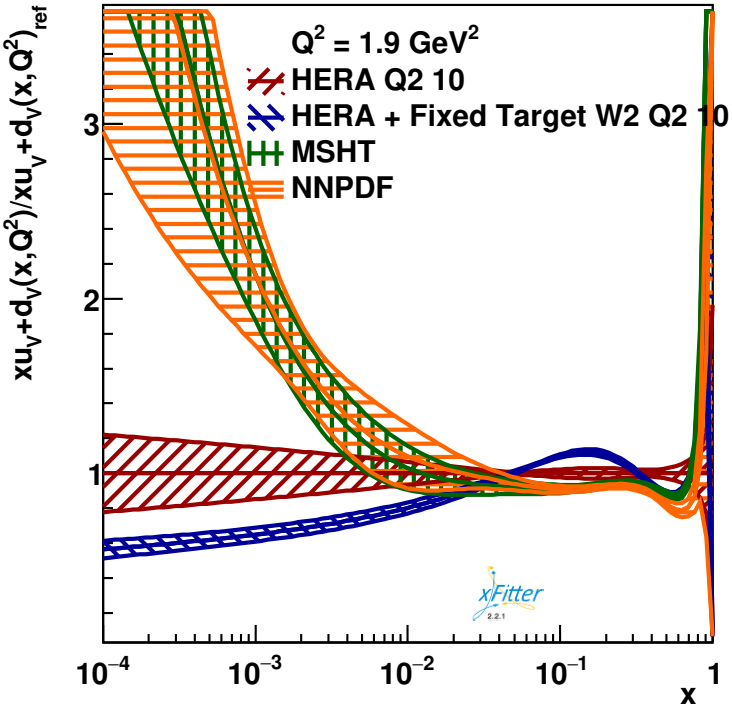

$xd_V/u_V(x,Q^2)/xd_V/u_V(x,Q^2)_{ref}$
Q^2 = 1.9 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter
2.2.1
x

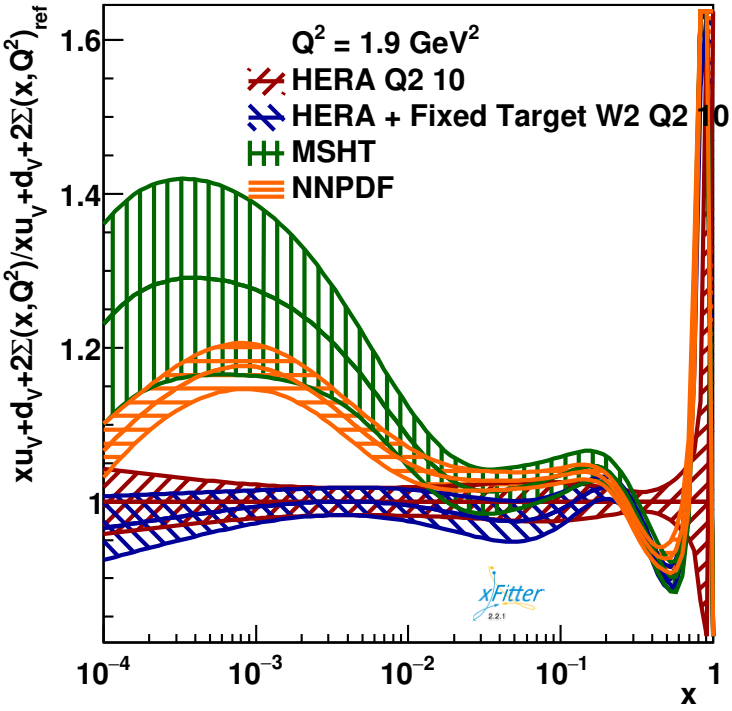

$xrs(x,Q^2)/xrs(x,Q^2)_{ref}$
Q^2 = 1.9 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter
2.2.1
x

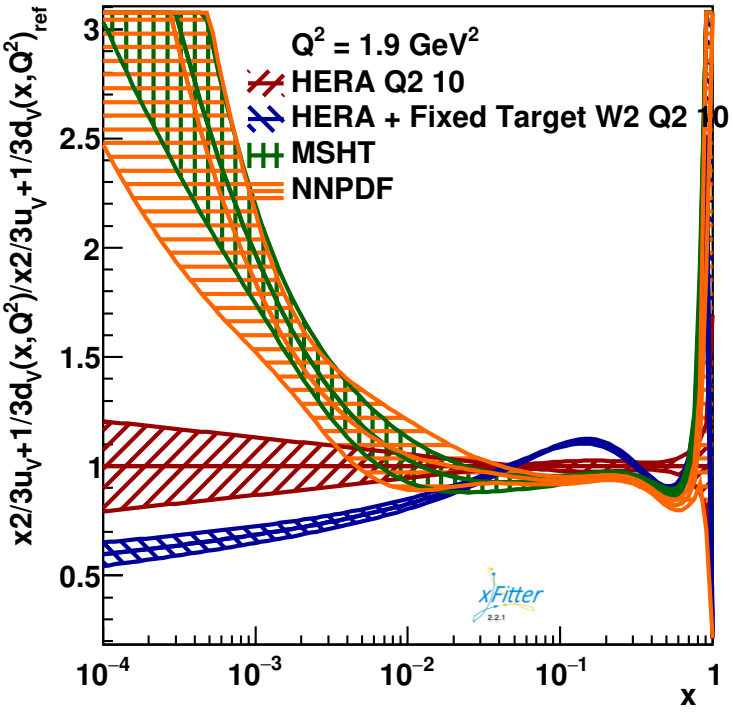

$x\gamma(x,Q^2)/x\gamma(x,Q^2)_{ref}$
Q^2 = 1.9 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter
2.2.1
x

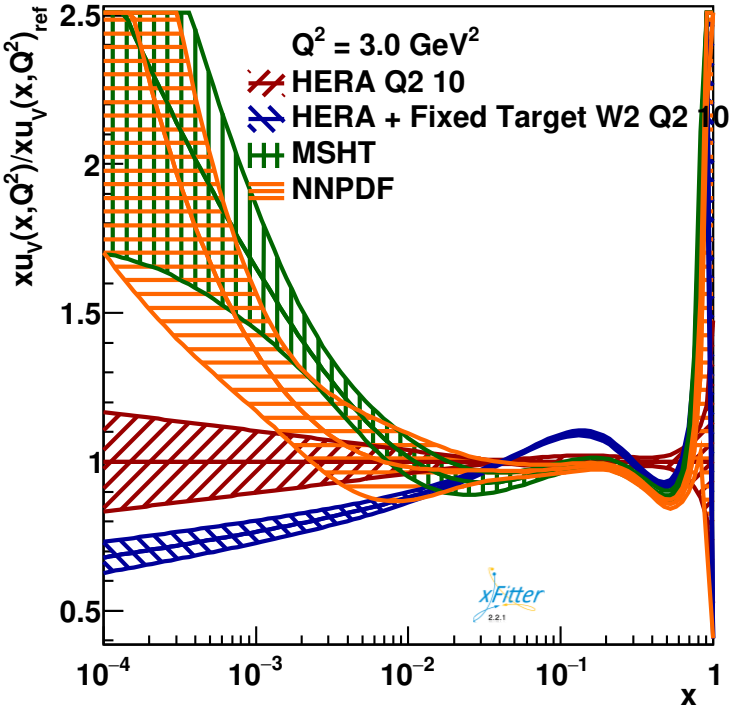

$x\Sigma/g(x,Q^2)/x\Sigma/g(x,Q^2)_{ref}$
Q^2 = 1.9 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
x
xFitter

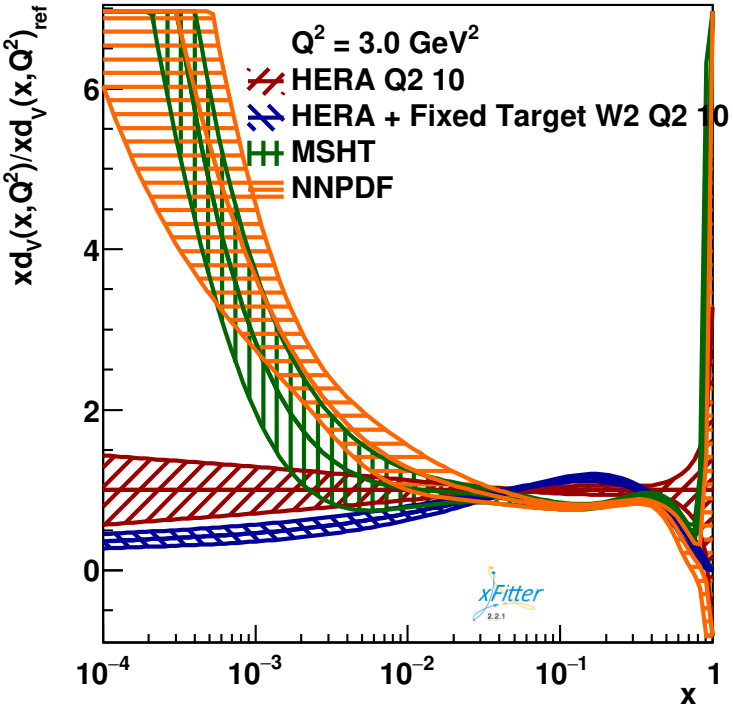

$x\gamma/g(x,Q^2)/x\gamma/g(x,Q^2)_{ref}$
Q^2 = 1.9 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
x
xFitter

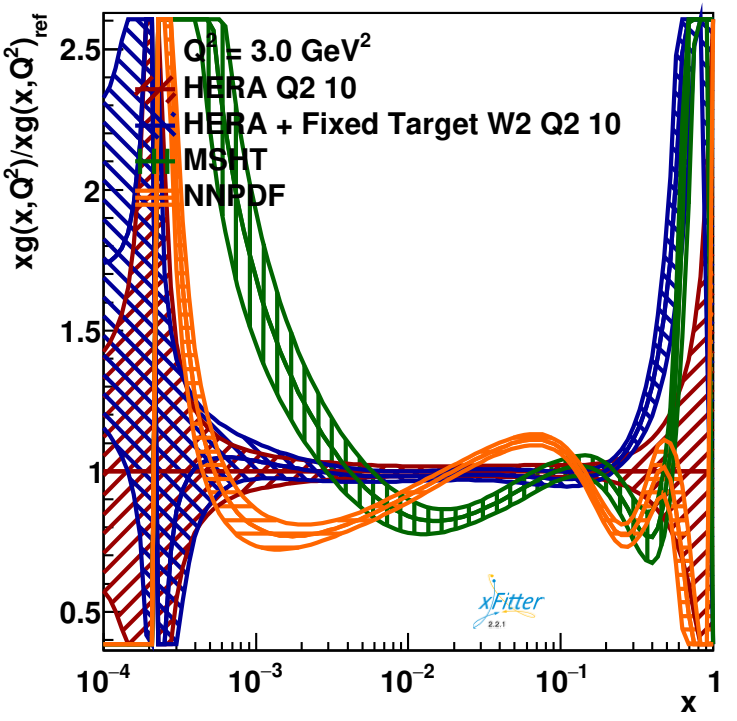

$xu_V+d_V(x,Q^2)/xu_V+d_V(x,Q^2)_{ref}$
Q^2 = 1.9 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
x
xFitter

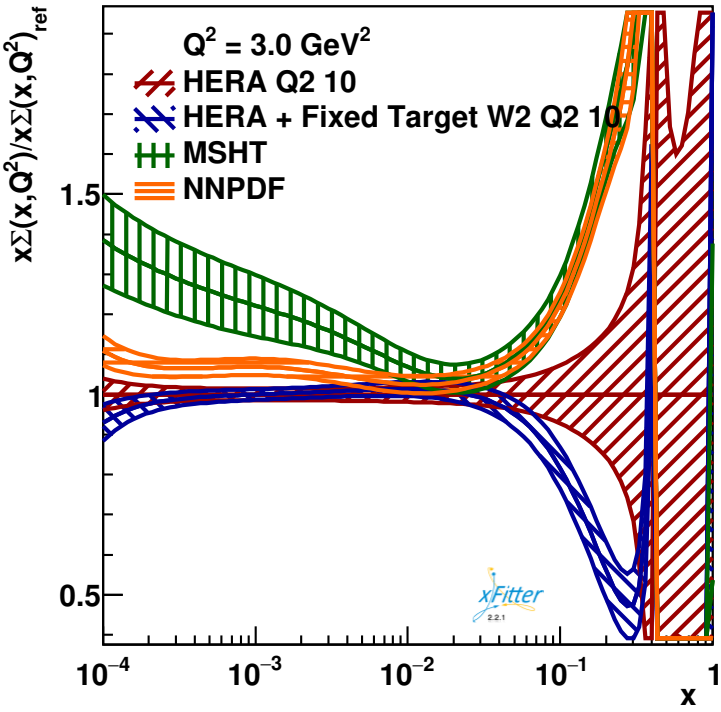

$xu_V+d_V+2\Sigma(x,Q^2)/xu_V+d_V+2\Sigma(x,Q^2)_{ref}$
Q^2 = 1.9 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
x
xFitter

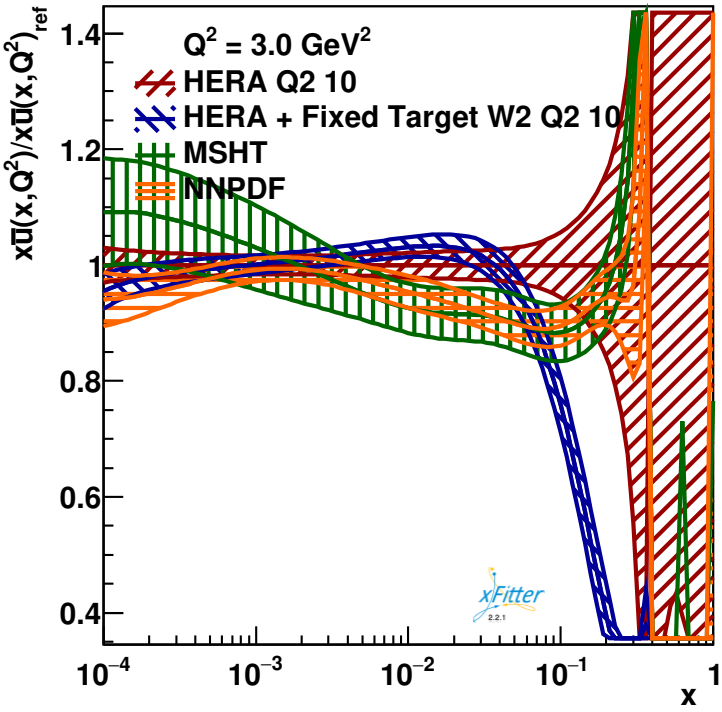

Q^2 = 1.9 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$x2/3u_V+1/3d_V(x,Q^2)/x2/3u_V+1/3d_V(x,Q^2)_{ref}$
x
xFitter

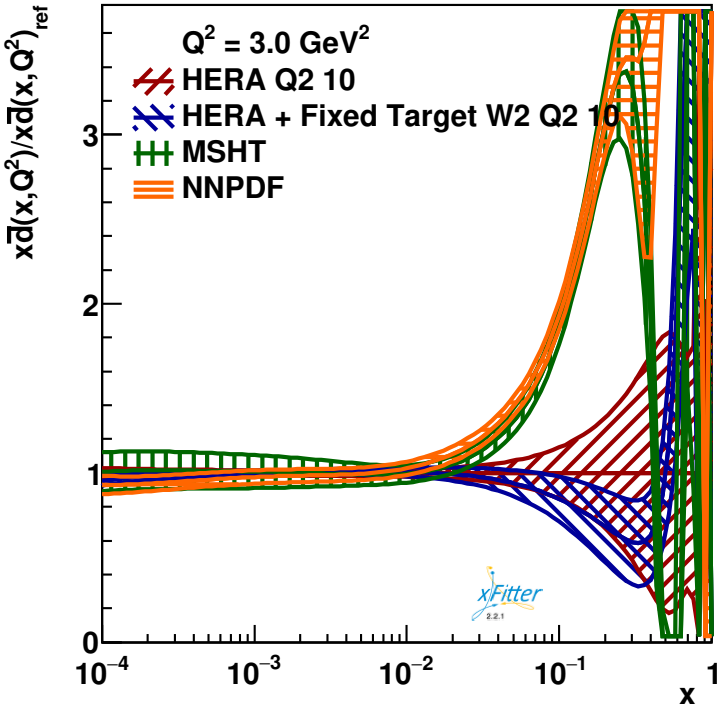

Q^2 = 3.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xu_V(x,Q^2)/xu_V(x,Q^2)_{ref}$
x
xFitter

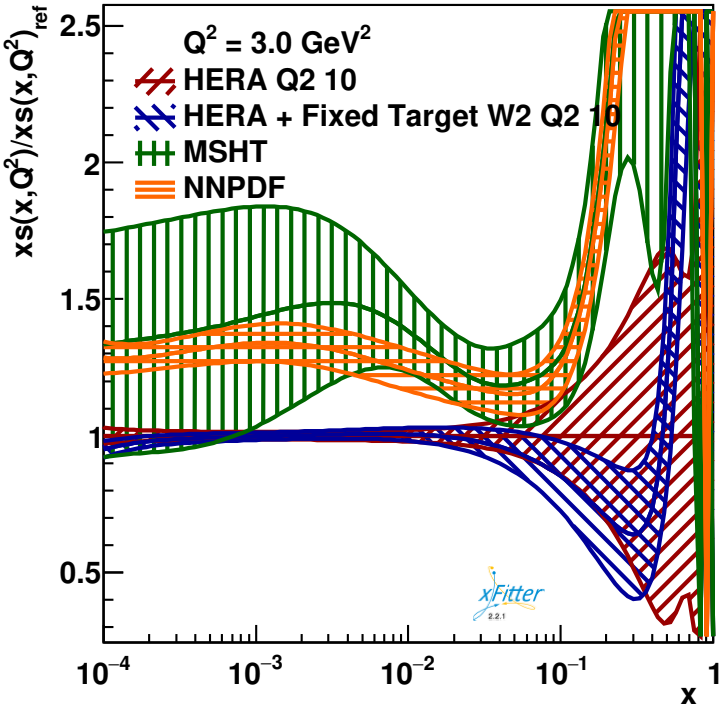

Q^2 = 3.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xd_V(x,Q^2)/xd_V(x,Q^2)_{ref}$
x
xFitter

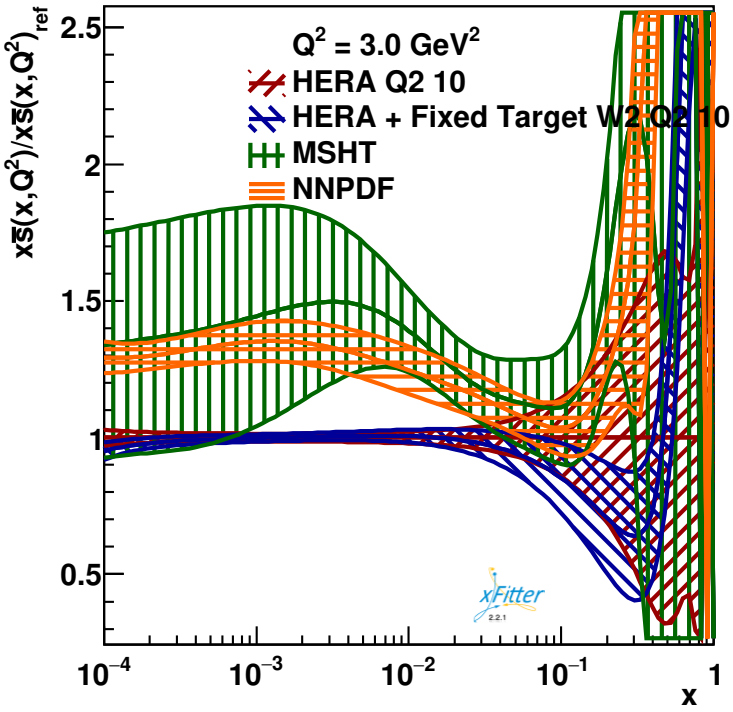

Q^2 = 3.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xg(x,Q^2)/xg(x,Q^2)_{ref}$
x
xFitter

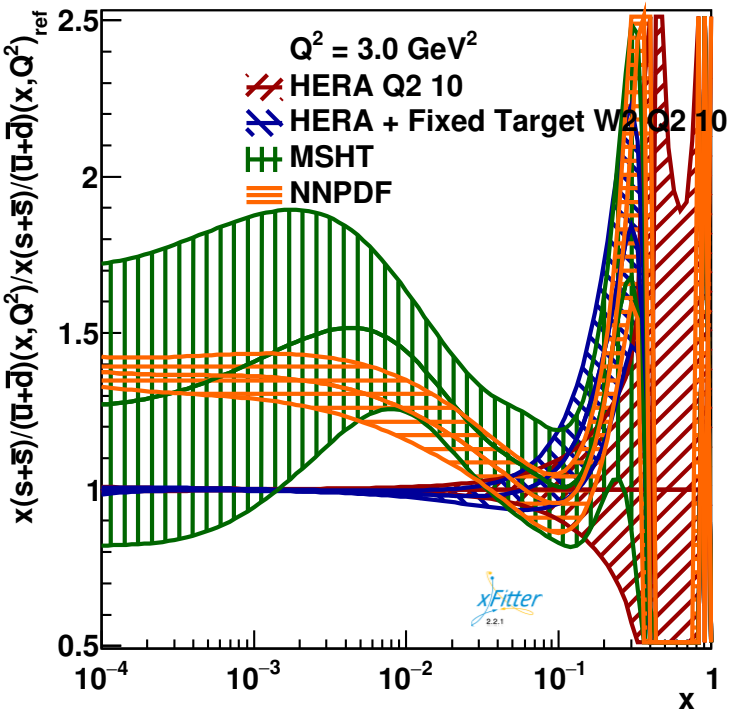

Q^2 = 3.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$x\Sigma(x,Q^2)/x\Sigma(x,Q^2)_{ref}$
x
xFitter

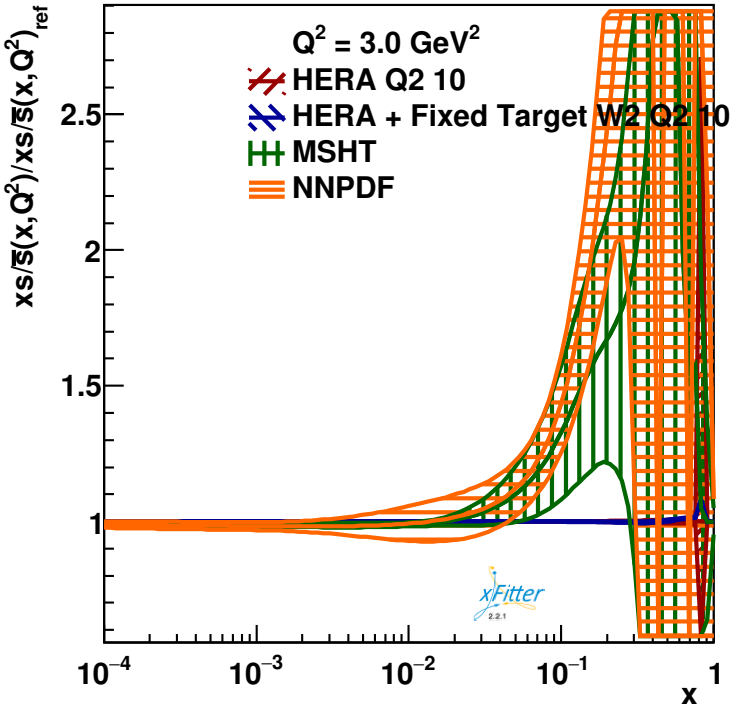

Q^2 = 3.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$x\bar{U}(x,Q^2)/x\bar{U}(x,Q^2)_{ref}$
x
xFitter

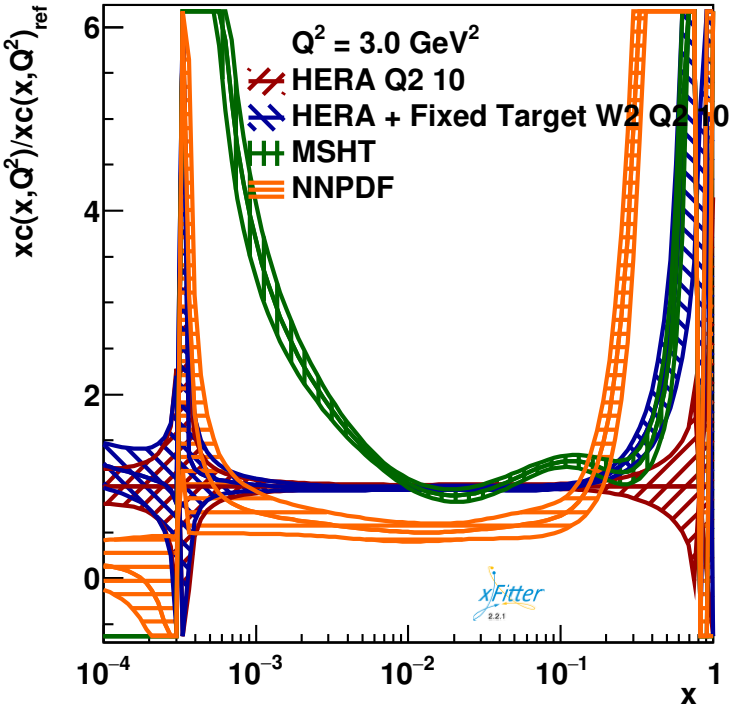

Q^2 = 3.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$x\bar{d}(x,Q^2)/x\bar{d}(x,Q^2)_{ref}$
x
xFitter

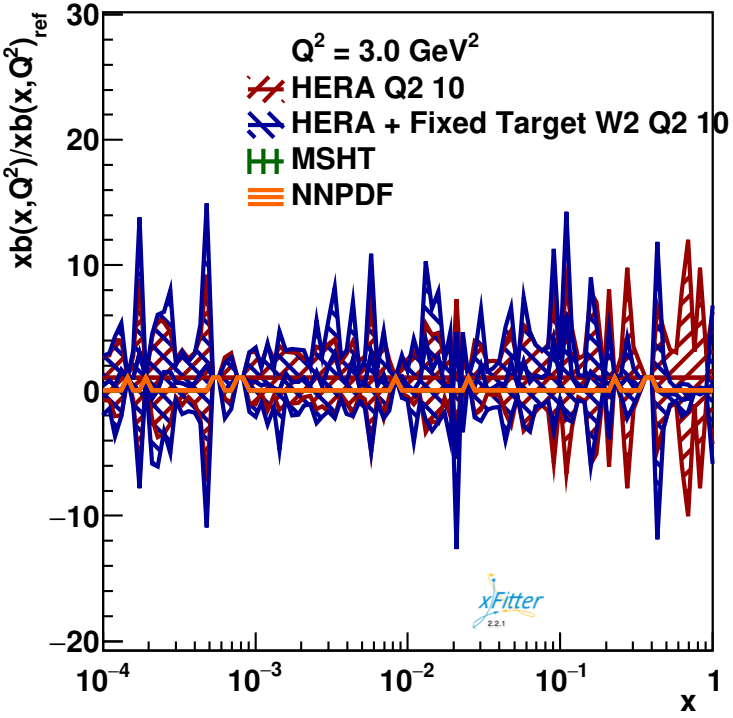

Q^2 = 3.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xs(x,Q^2)/xs(x,Q^2)_{ref}$
x
xFitter

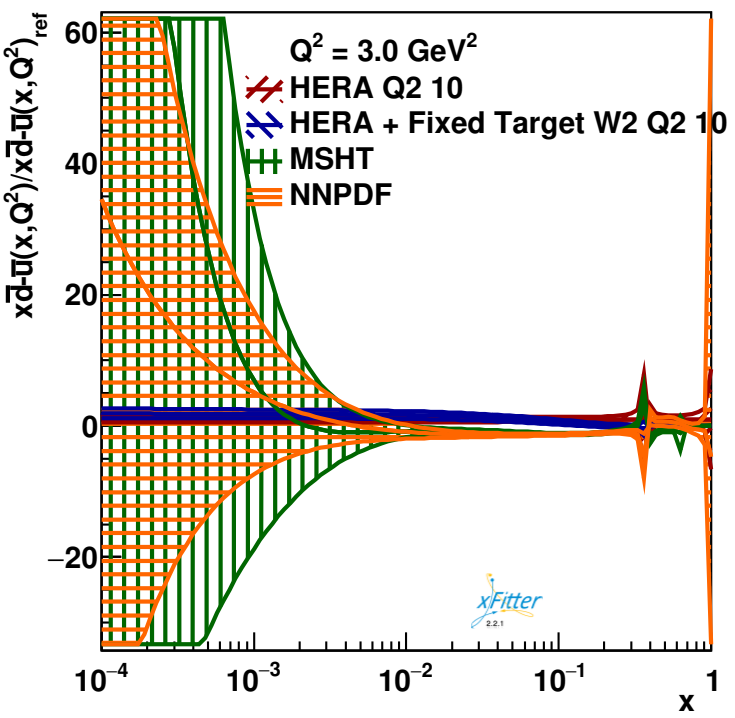

Q^2 = 3.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$x\bar{S}(x,Q^2)/x\bar{S}(x,Q^2)_{ref}$
x
xFitter

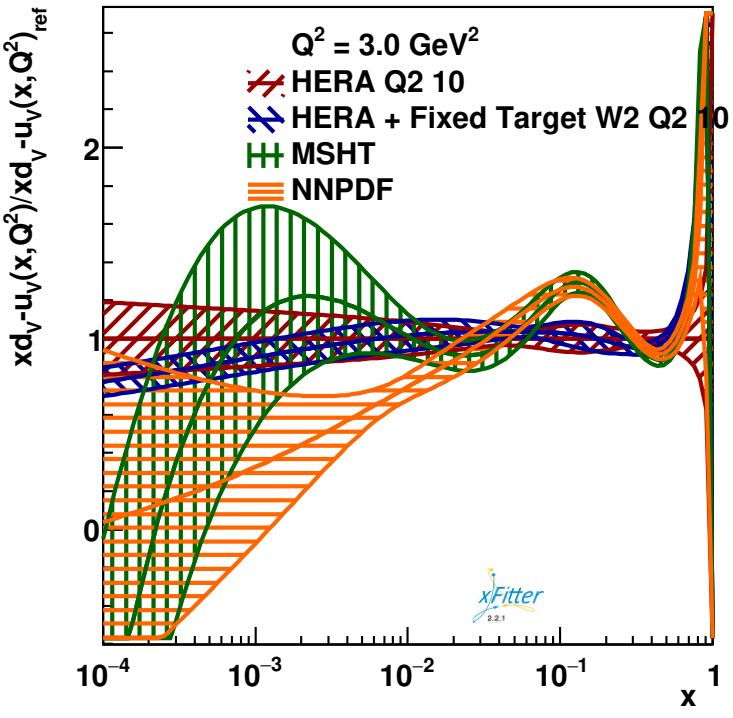

Q^2 = 3.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$x(s+\bar{s})/(\bar{u}+\bar{d})(x,Q^2)/x(s+\bar{s})/(\bar{u}+\bar{d})(x,Q^2)_{ref}$
x
xFitter

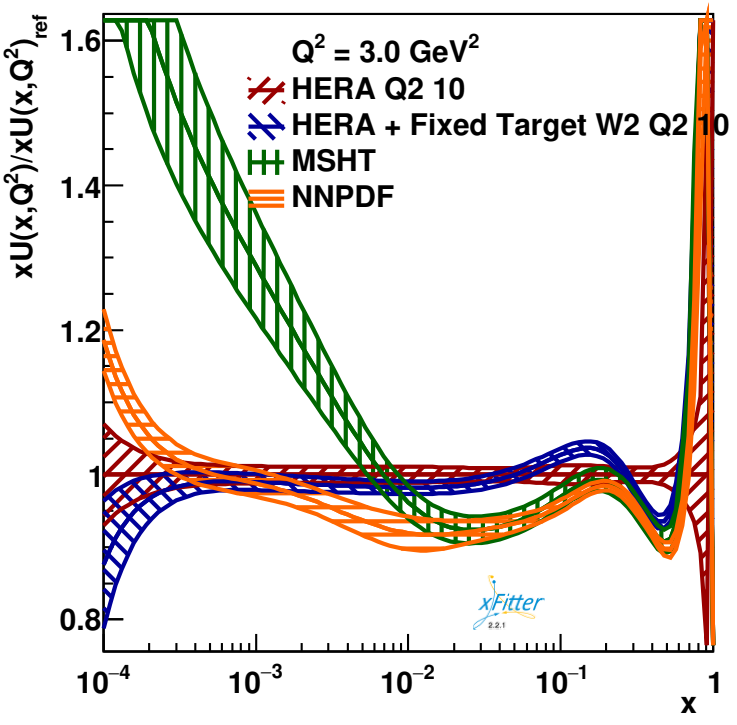

Q^2 = 3.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xs/\bar{s}(x,Q^2)/xs/\bar{s}(x,Q^2)_{ref}$
x
xFitter

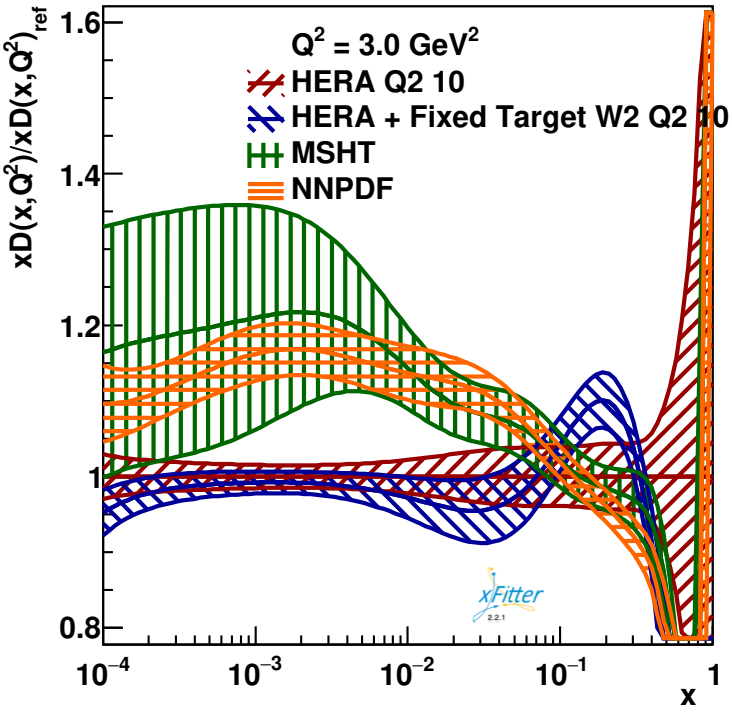

Q^2 = 3.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xc(x,Q^2)/xc(x,Q^2)_{ref}$
x
xFitter

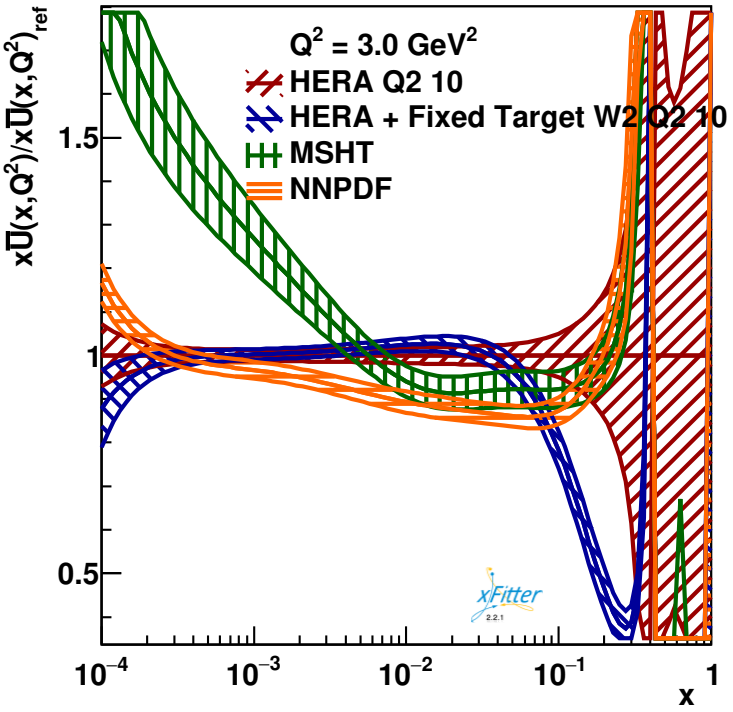

Q^2 = 3.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xb(x,Q^2)/xb(x,Q^2)_{ref}$
x
xFitter

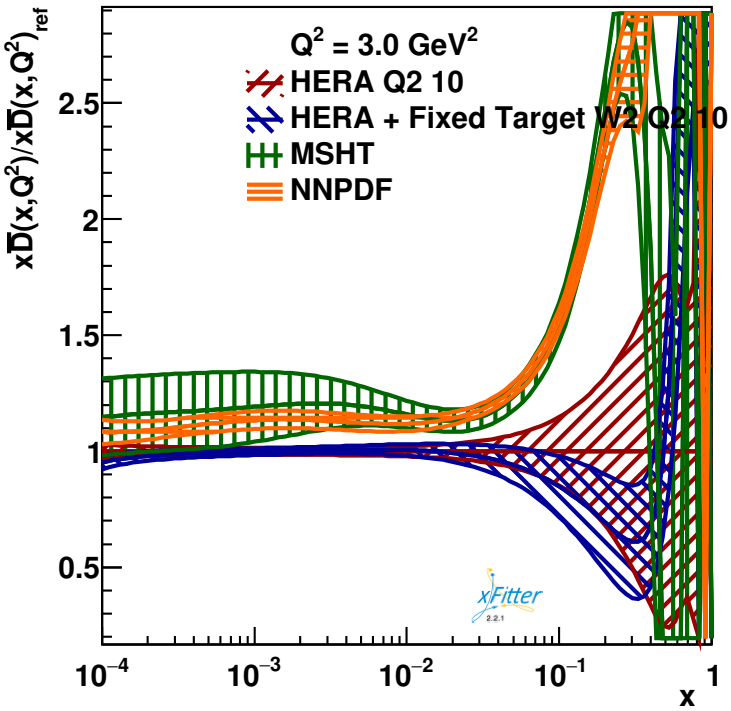

Q^2 = 3.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$x\bar{d}-x\bar{u}(x,Q^2)/x\bar{d}-x\bar{u}(x,Q^2)_{ref}$
x
xFitter

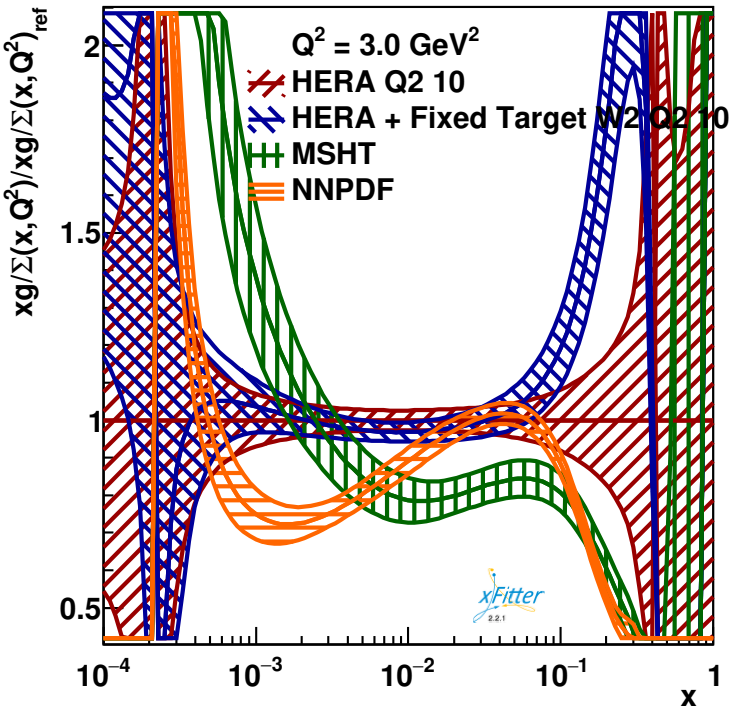

Q^2 = 3.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xd_V-u_V(x,Q^2)/xd_V-u_V(x,Q^2)_{ref}$
x
xFitter

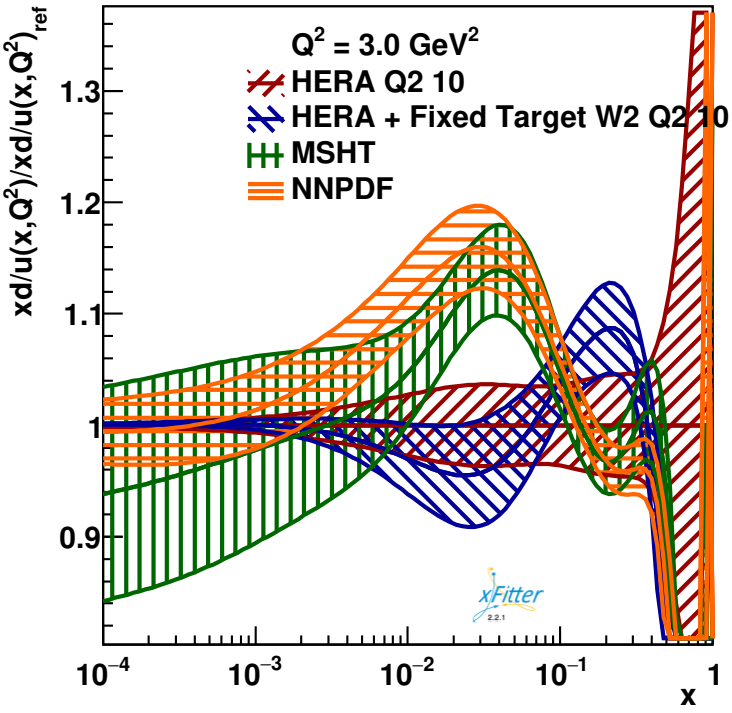

Q^2 = 3.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xU(x,Q^2)/xU(x,Q^2)_{ref}$
x
xFitter

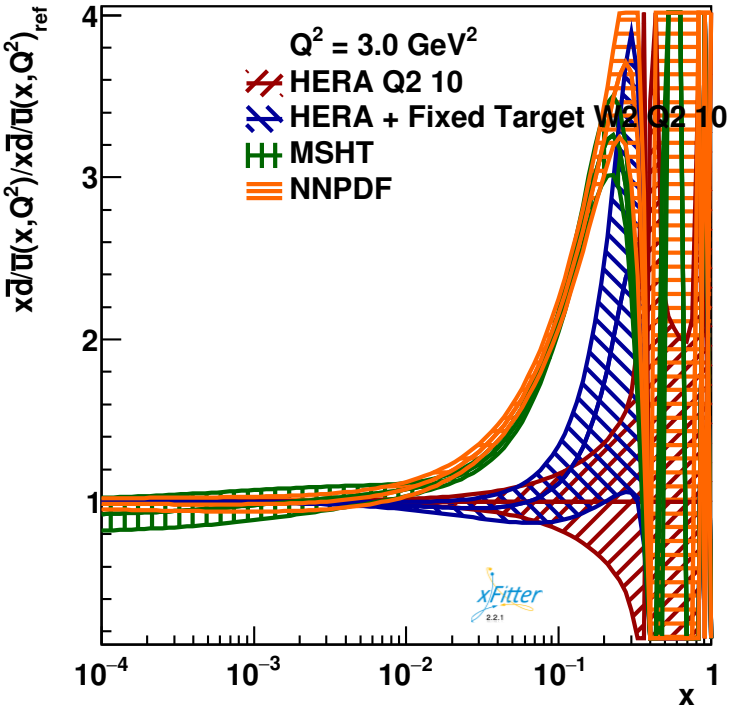

$xD(x,Q^2)/xD(x,Q^2)_{ref}$
Q^2 = 3.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
1.6
1.4
1.2
1
0.8
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x
xFitter
2.2.1

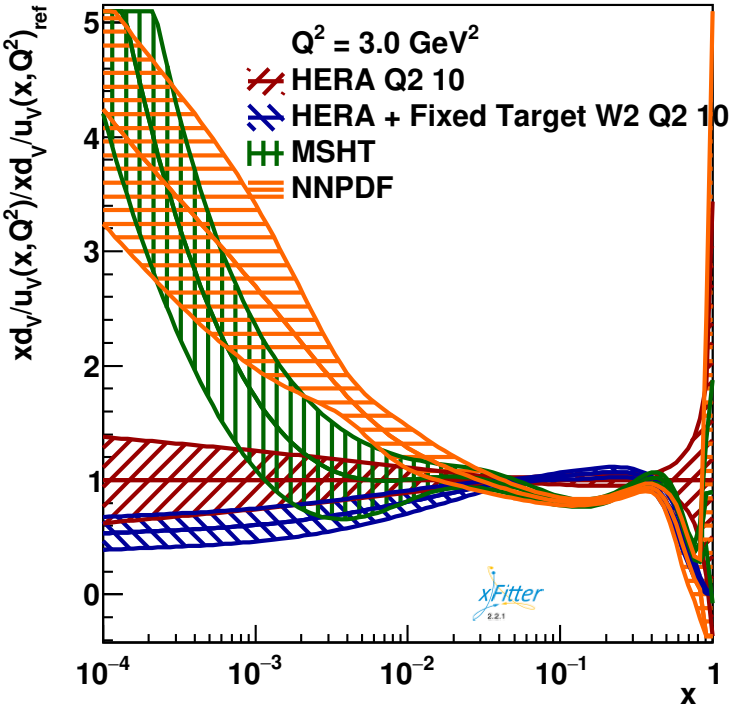

$x\bar{U}(x,Q^2)/x\bar{U}(x,Q^2)_{ref}$
Q^2 = 3.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
1.5
1
0.5
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x
xFitter
2.2.1

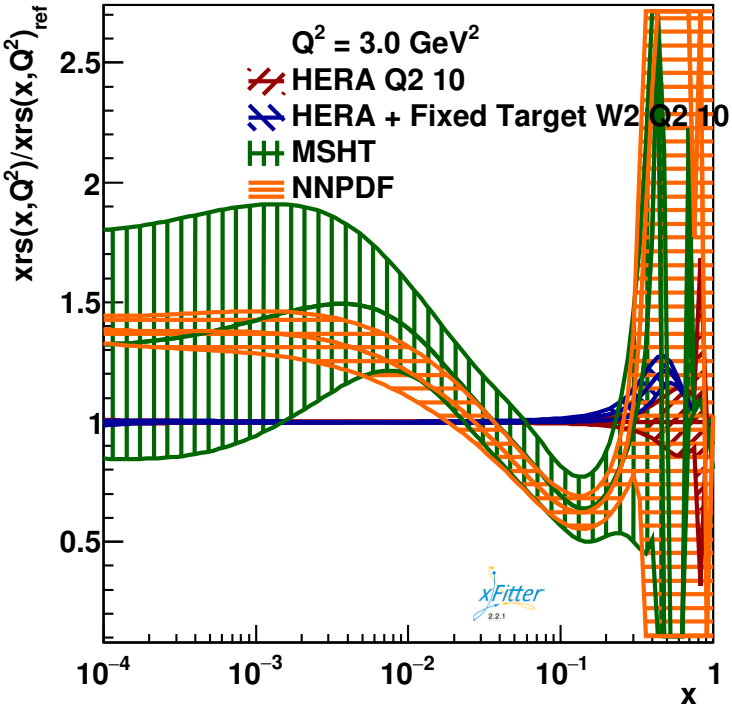

$x\bar{D}(x,Q^2)/x\bar{D}(x,Q^2)_{ref}$
Q^2 = 3.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
2.5
2
1.5
1
0.5
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x
xFitter
2.2.1

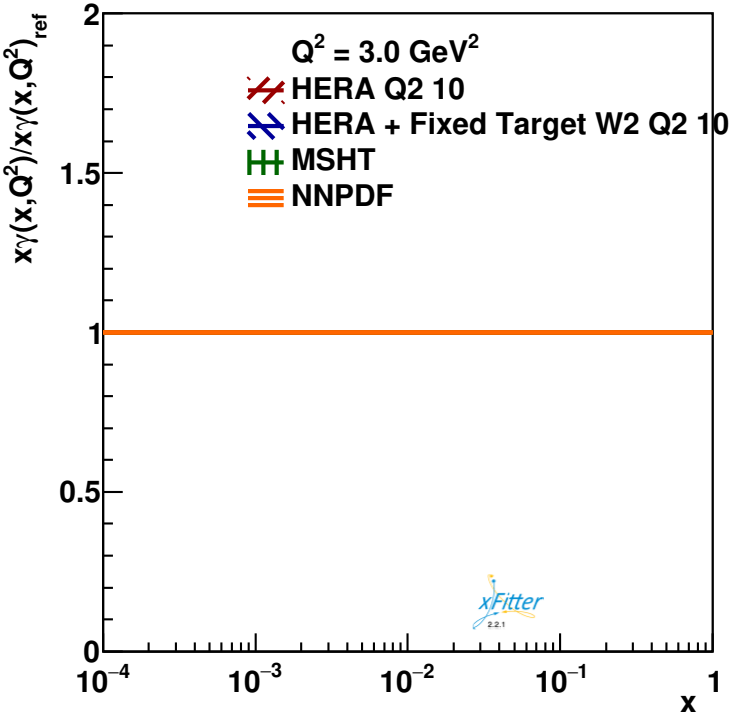

$xg/\Sigma(x,Q^2)/xg/\Sigma(x,Q^2)_{ref}$
Q^2 = 3.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
2
1.5
1
0.5
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x
xFitter
2.2.1

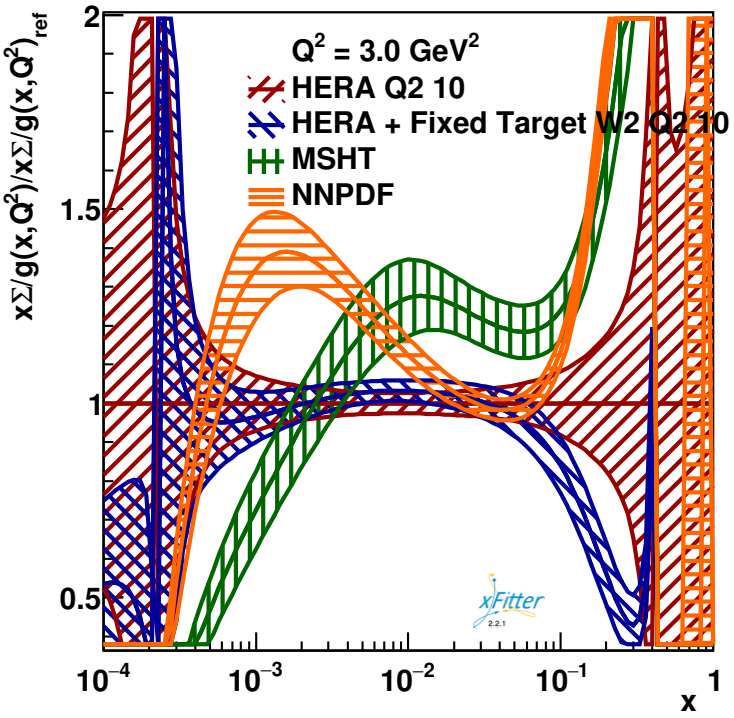

Q^2 = 3.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xd/u(x,Q^2)/xd/u(x,Q^2)_{ref}$
x
xFitter 2.2.1

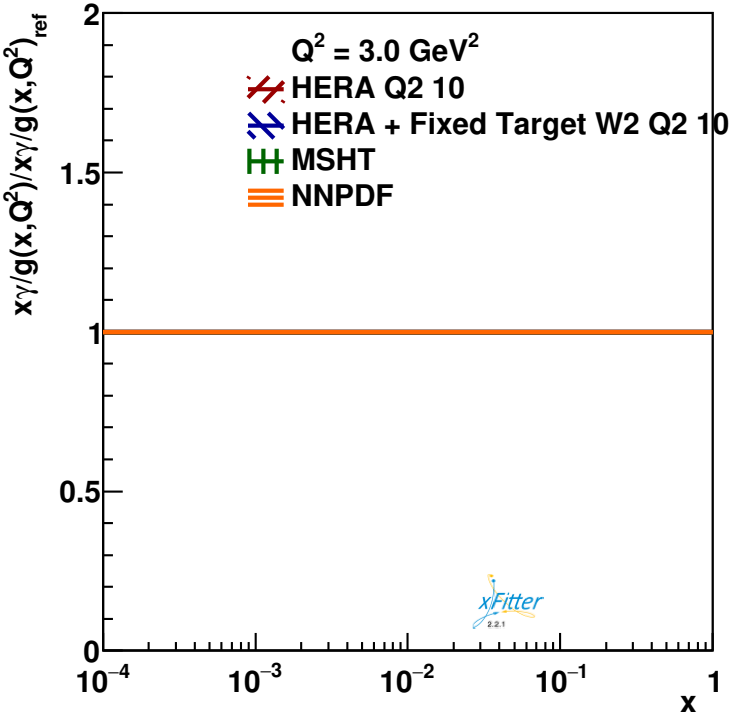

Q^2 = 3.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$x\bar{d}/\bar{u}(x,Q^2)/x\bar{d}/\bar{u}(x,Q^2)_{ref}$
x
xFitter 2.2.1

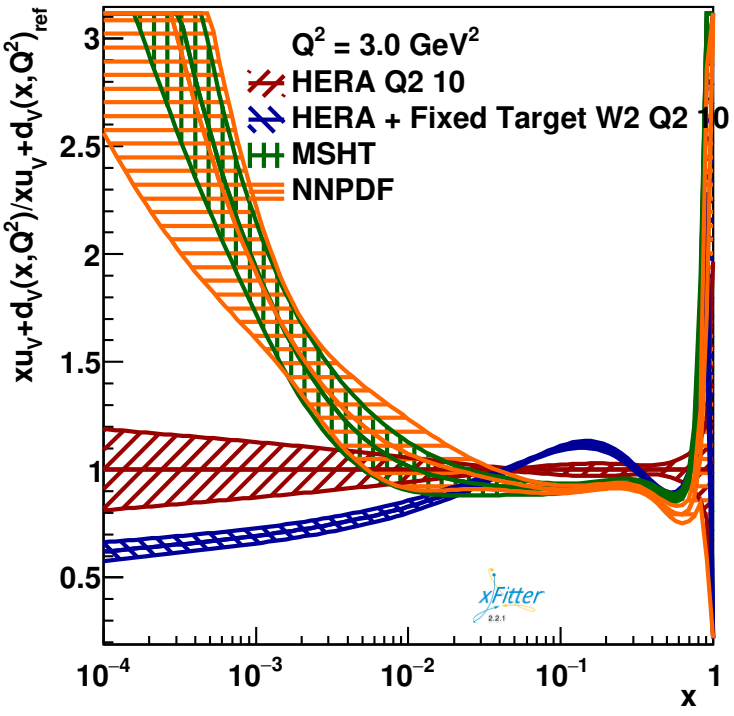

Q^2 = 3.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xd_V/u_V(x,Q^2)/xd_V/u_V(x,Q^2)_{ref}$
x
xFitter 2.2.1

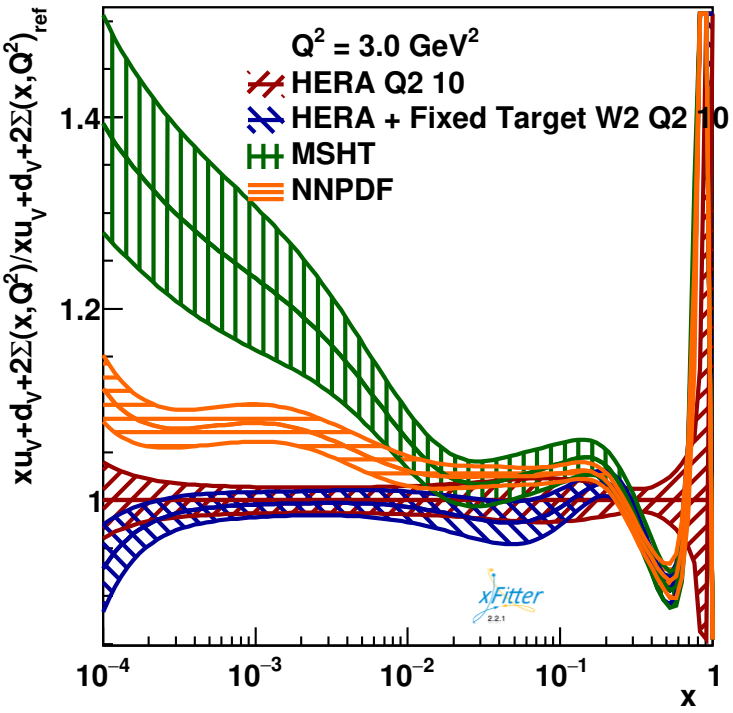

Q^2 = 3.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xrs(x,Q^2)/xrs(x,Q^2)_{ref}$
x
xFitter 2.2.1

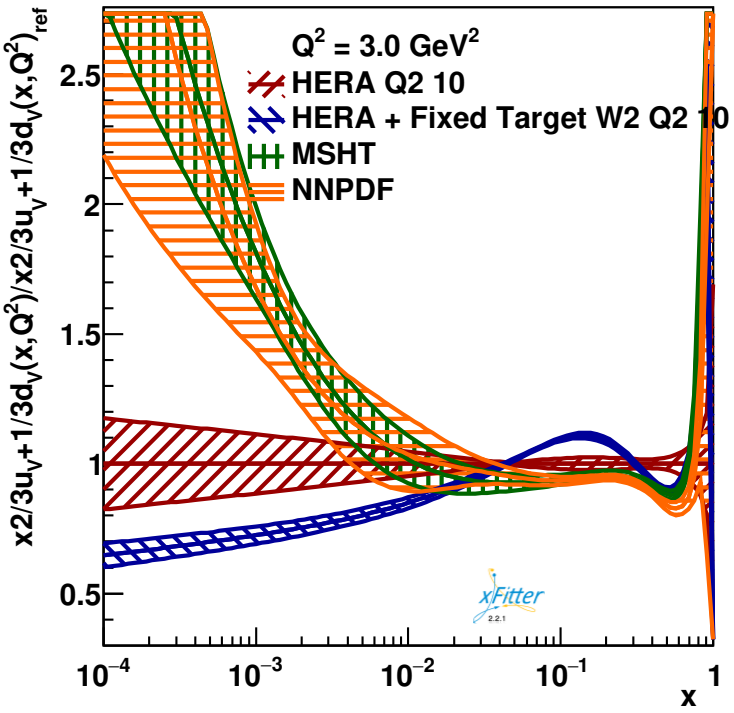

Q^2 = 3.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$x\gamma(x,Q^2)/x\gamma(x,Q^2)_{ref}$
x
xFitter

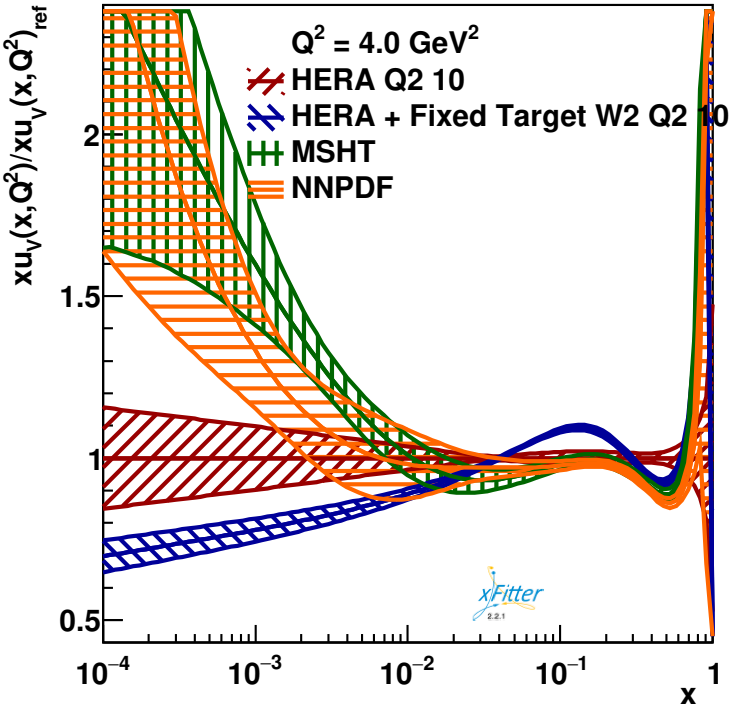

Q^2 = 3.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$x\Sigma/g(x,Q^2)/x\Sigma/g(x,Q^2)_{ref}$
x
xFitter

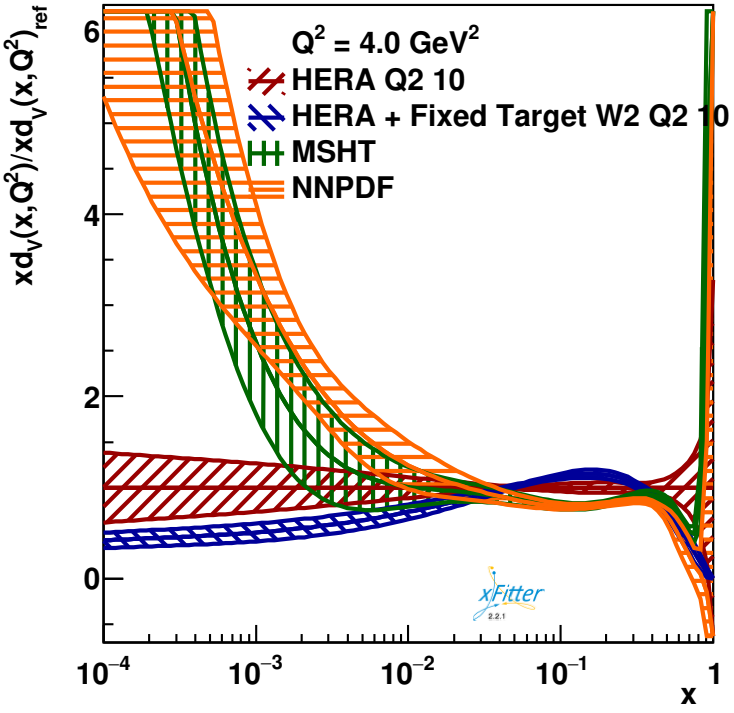

Q^2 = 3.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$x\gamma/g(x,Q^2)/x\gamma/g(x,Q^2)_{ref}$
x
xFitter

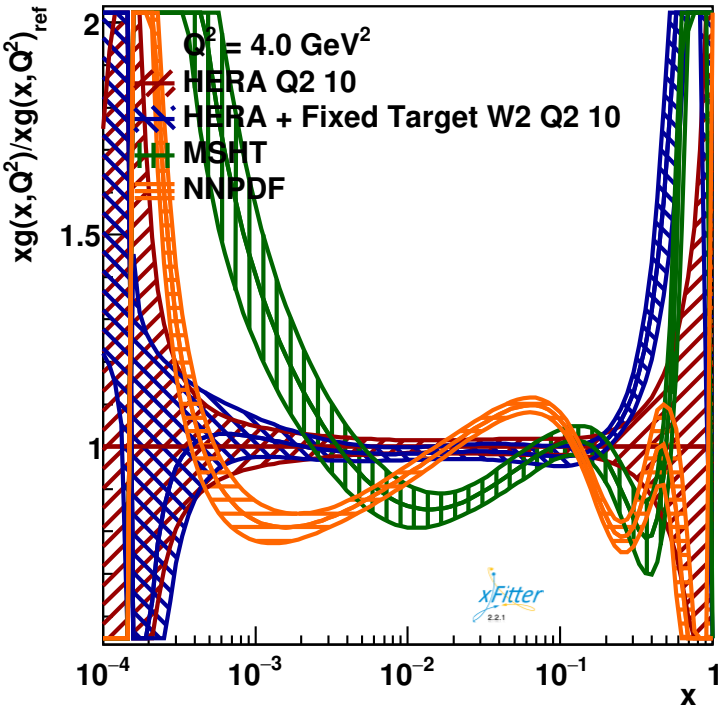

Q^2 = 3.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xu_V+d_V(x,Q^2)/xu_V+d_V(x,Q^2)_{ref}$
x
xFitter

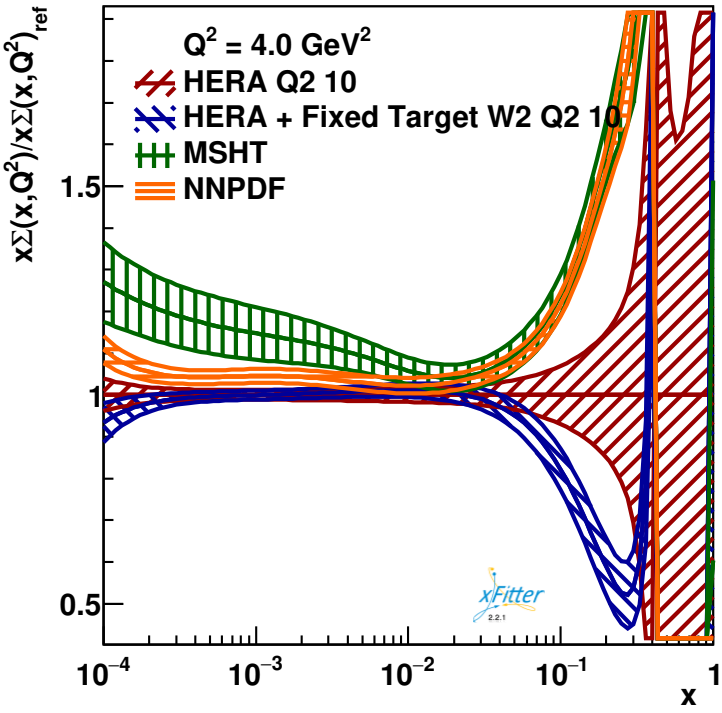

Q^2 = 3.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xu_V+d_V+2\Sigma(x,Q^2)/xu_V+d_V+2\Sigma(x,Q^2)_{ref}$
x
xFitter 2.2.1

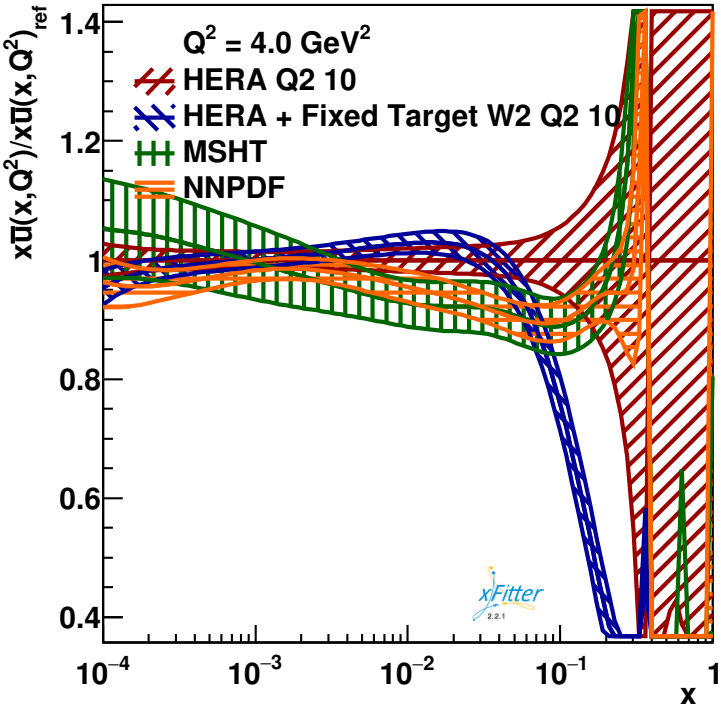

Q^2 = 3.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$x2/3u_V+1/3d_V(x,Q^2)/x2/3u_V+1/3d_V(x,Q^2)_{ref}$
x
xFitter 2.2.1

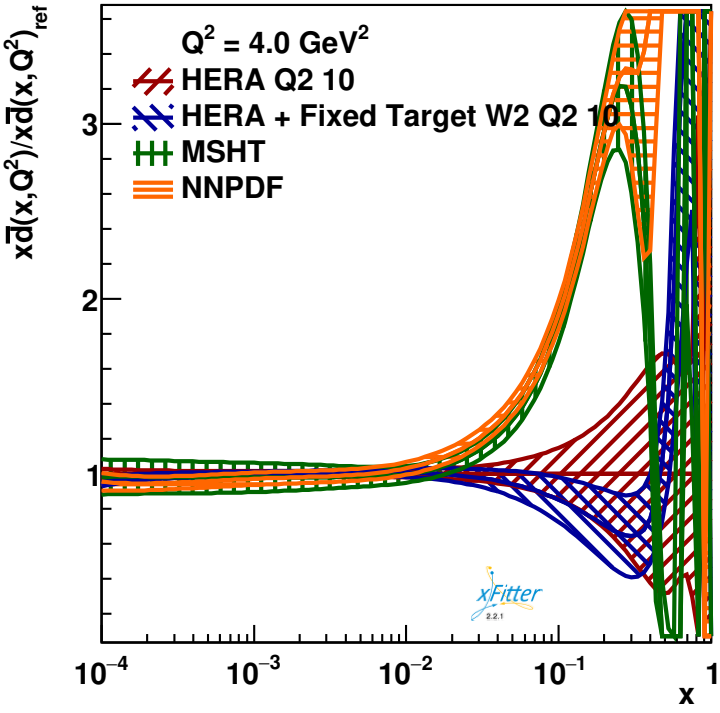

Q^2 = 4.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xu_V(x,Q^2)/xu_V(x,Q^2)_{ref}$
x
xFitter 2.2.1

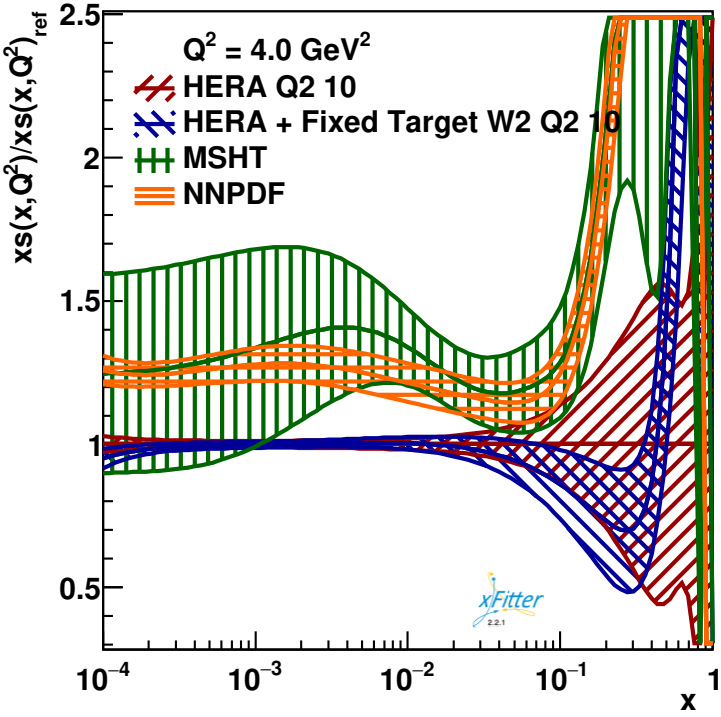

Q^2 = 4.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xd_V(x,Q^2)/xd_V(x,Q^2)_{ref}$
x
xFitter 2.2.1

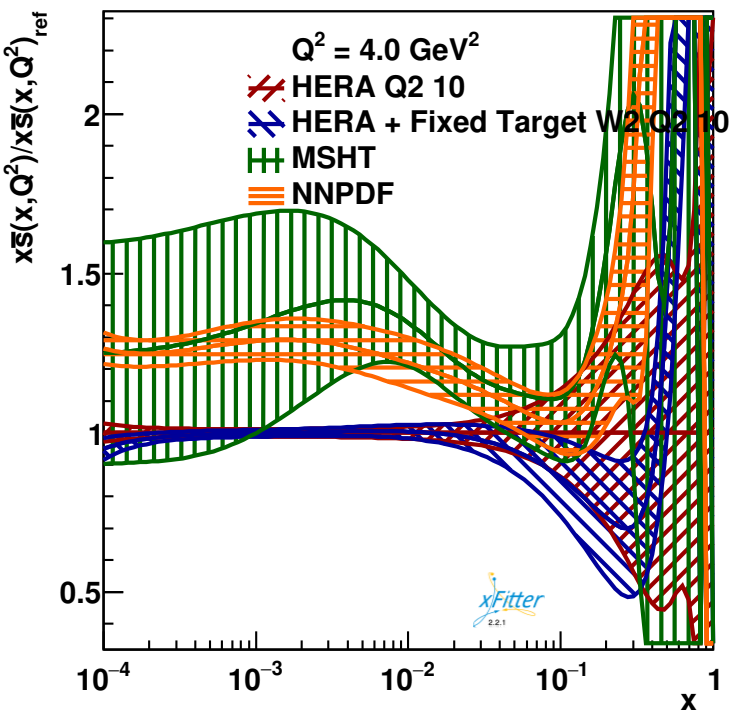

$xg(x,Q^2)/xg(x,Q^2)_{ref}$
Q^2 = 4.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter
2.2.1
x

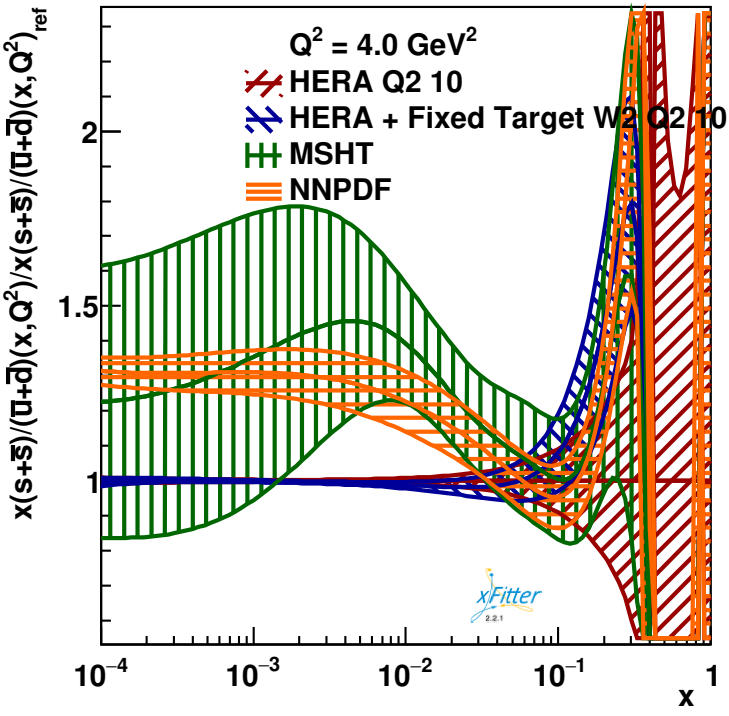

$x\Sigma(x,Q^2)/x\Sigma(x,Q^2)_{ref}$
Q^2 = 4.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter
2.2.1
x

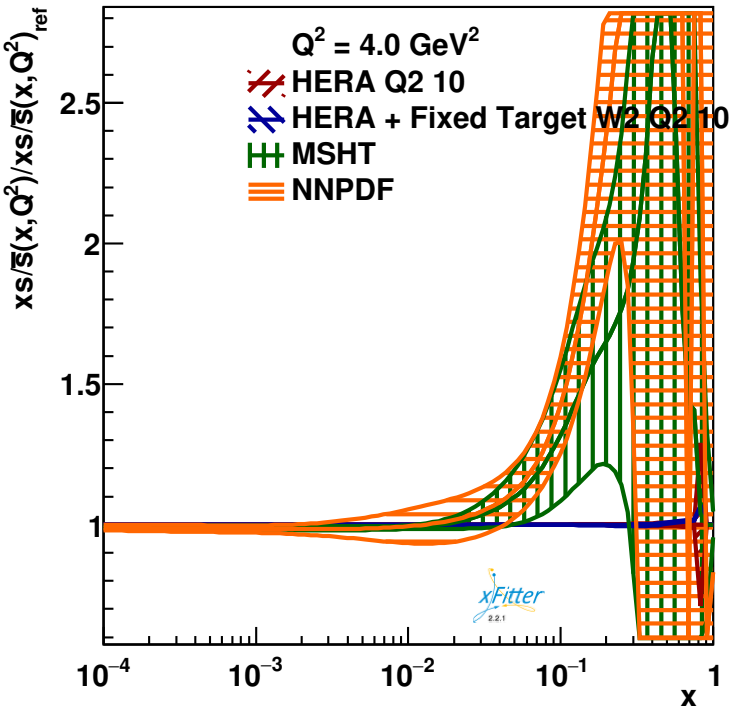

$x\bar{u}(x,Q^2)/x\bar{u}(x,Q^2)_{ref}$
Q^2 = 4.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter
2.2.1
x

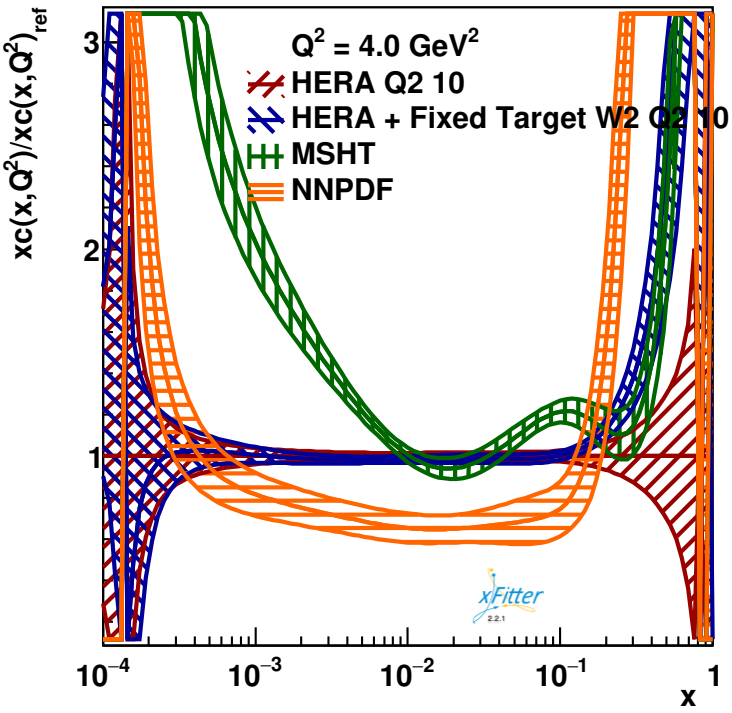

$x\bar{d}(x,Q^2)/x\bar{d}(x,Q^2)_{ref}$
Q^2 = 4.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter
2.2.1
x

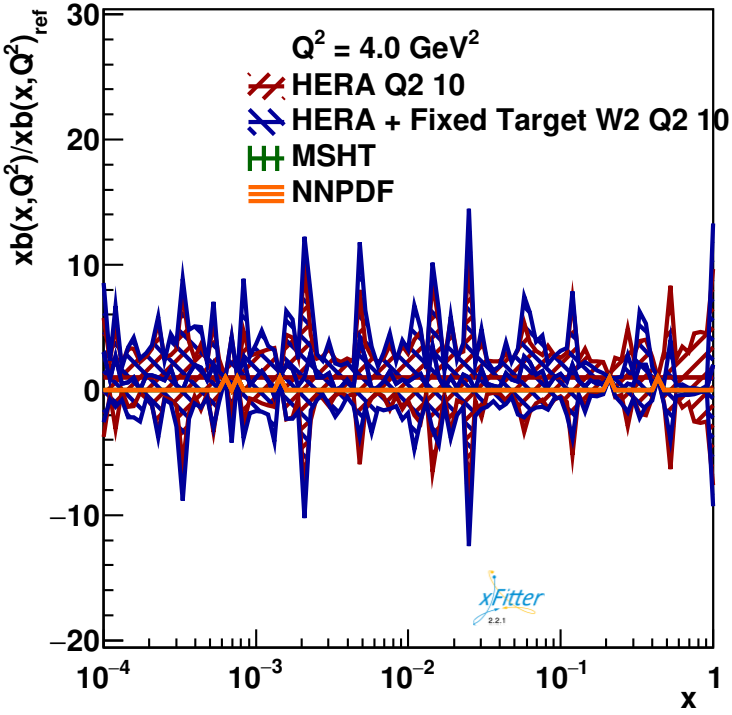

Q^2 = 4.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xs(x,Q^2)/xs(x,Q^2)_{ref}$
x
xFitter

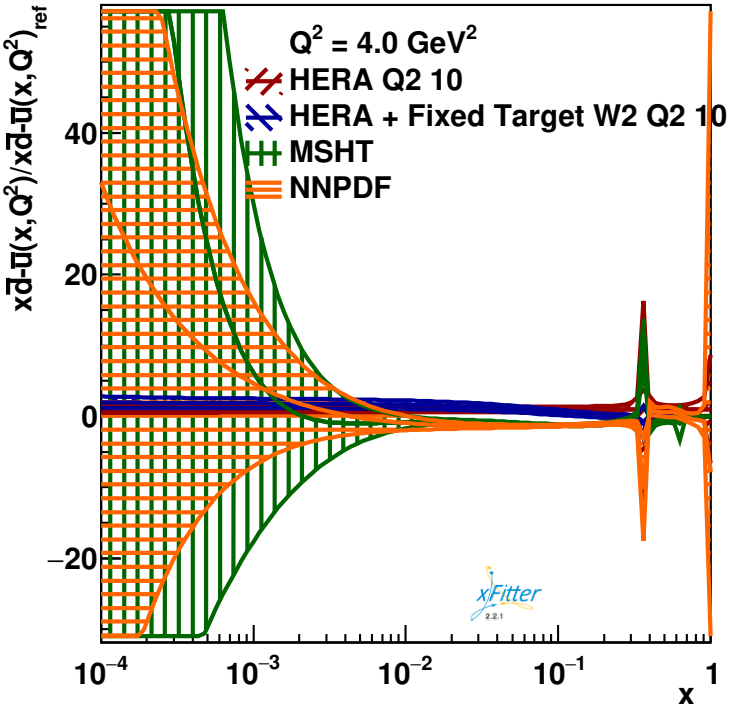

Q^2 = 4.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$x\bar{s}(x,Q^2)/x\bar{s}(x,Q^2)_{ref}$
x
xFitter

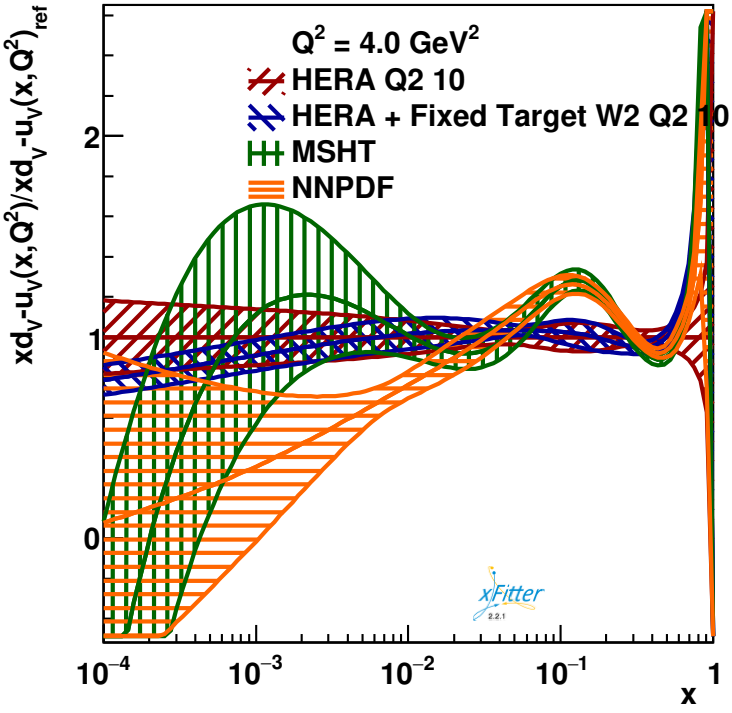

Q^2 = 4.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$x(s+\bar{s})/(\bar{u}+\bar{d})(x,Q^2)/x(s+\bar{s})/(\bar{u}+\bar{d})(x,Q^2)_{ref}$
x
xFitter

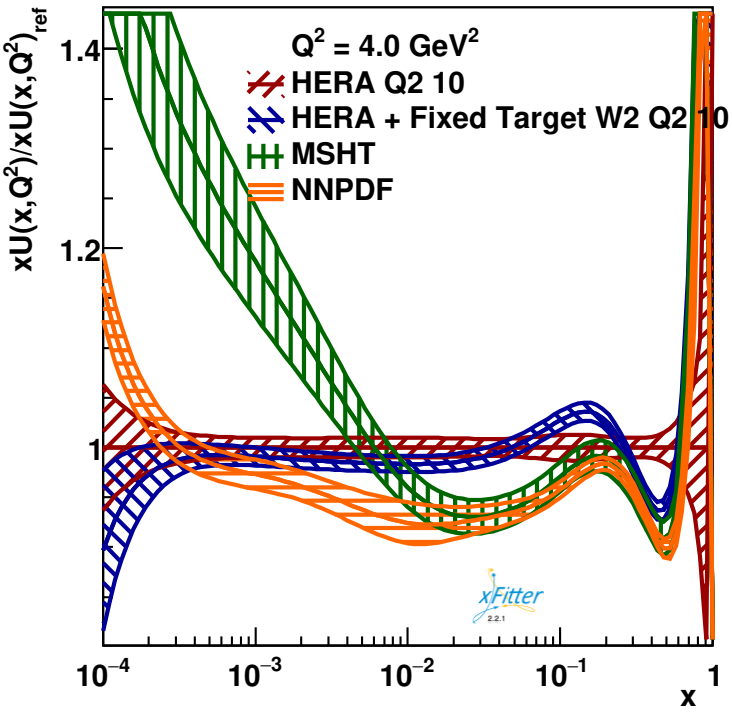

Q^2 = 4.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xs/\bar{s}(x,Q^2)/xs/\bar{s}(x,Q^2)_{ref}$
x
xFitter

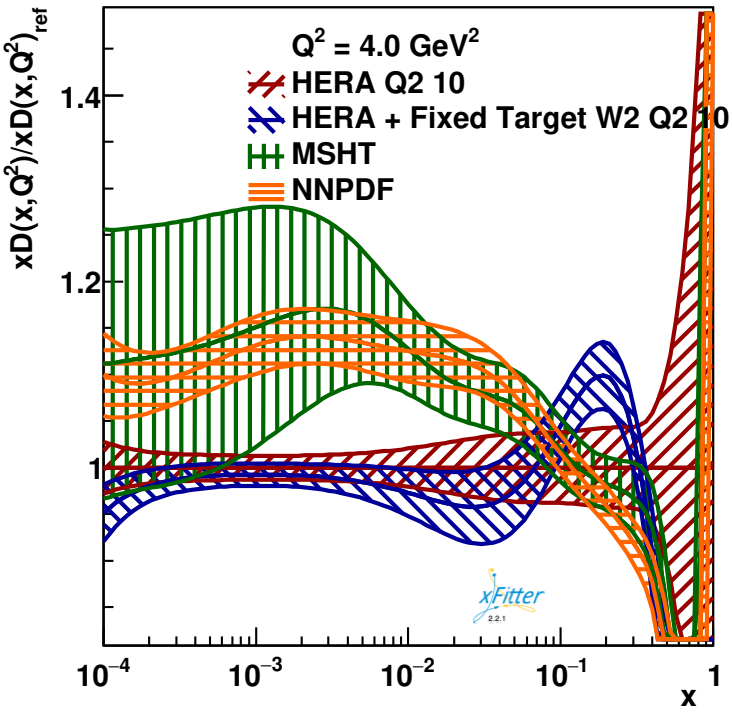

$xc(x,Q^2)/xc(x,Q^2)_{ref}$
Q^2 = 4.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter
x

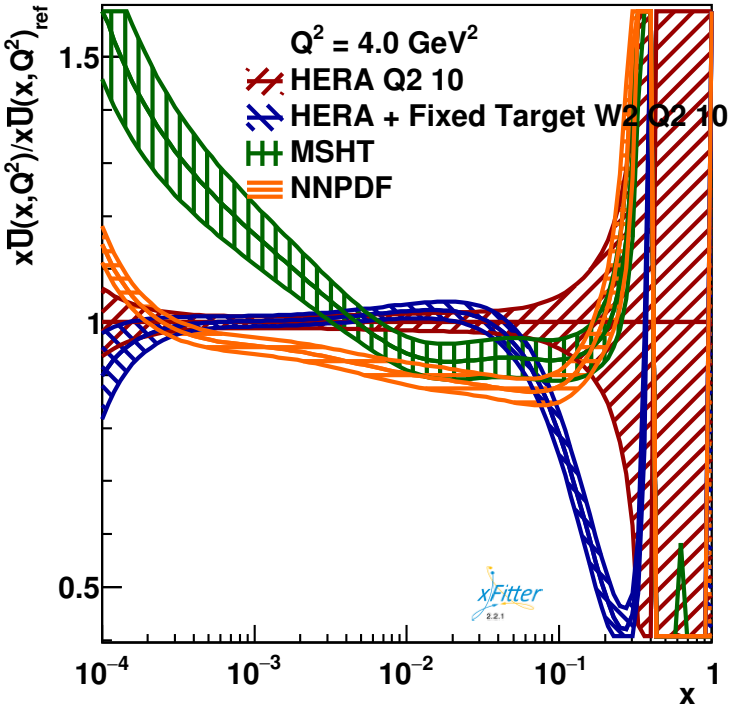

$xb(x,Q^2)/xb(x,Q^2)_{ref}$
Q^2 = 4.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter
x

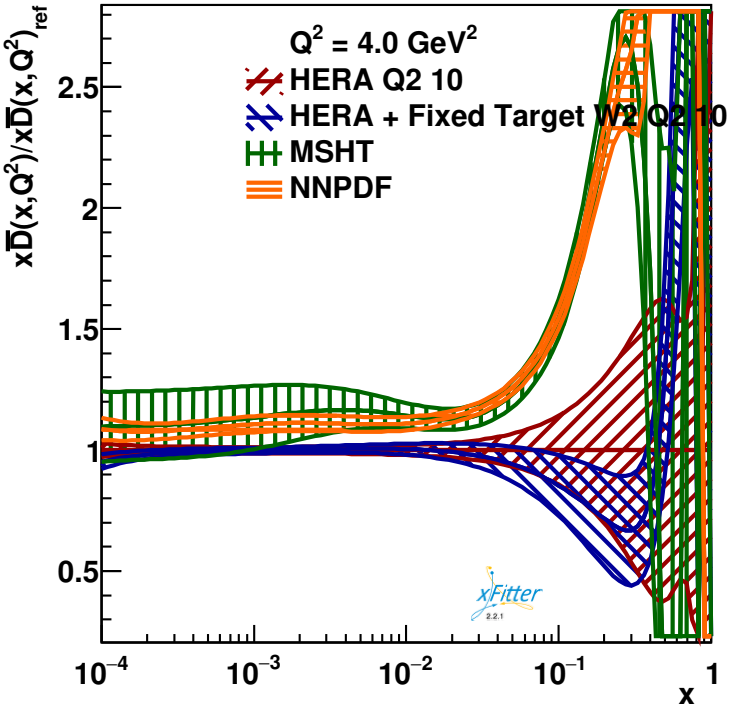

$x\bar{d}\text{-}\bar{u}(x,Q^2)/x\bar{d}\text{-}\bar{u}(x,Q^2)_{ref}$
Q^2 = 4.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter
x

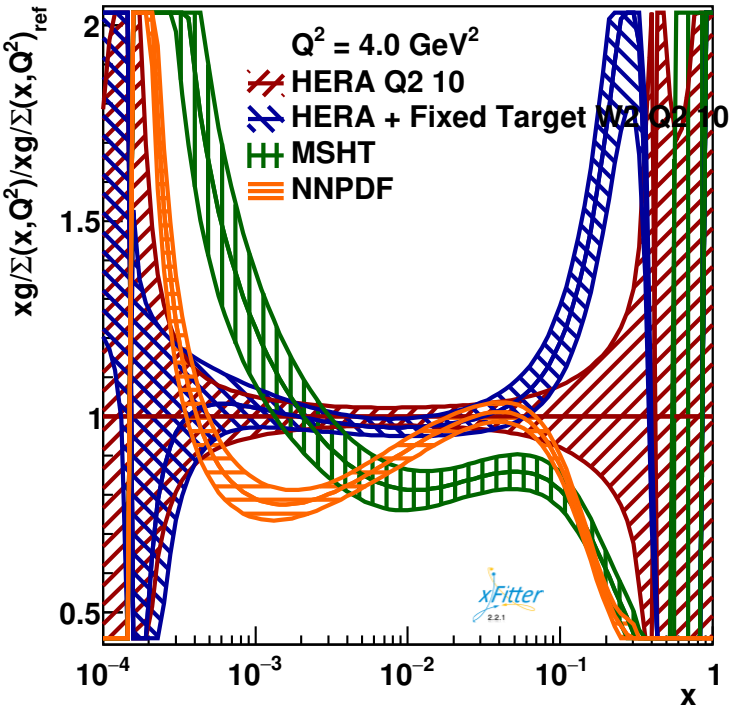

$xd_V\text{-}u_V(x,Q^2)/xd_V\text{-}u_V(x,Q^2)_{ref}$
Q^2 = 4.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter
x

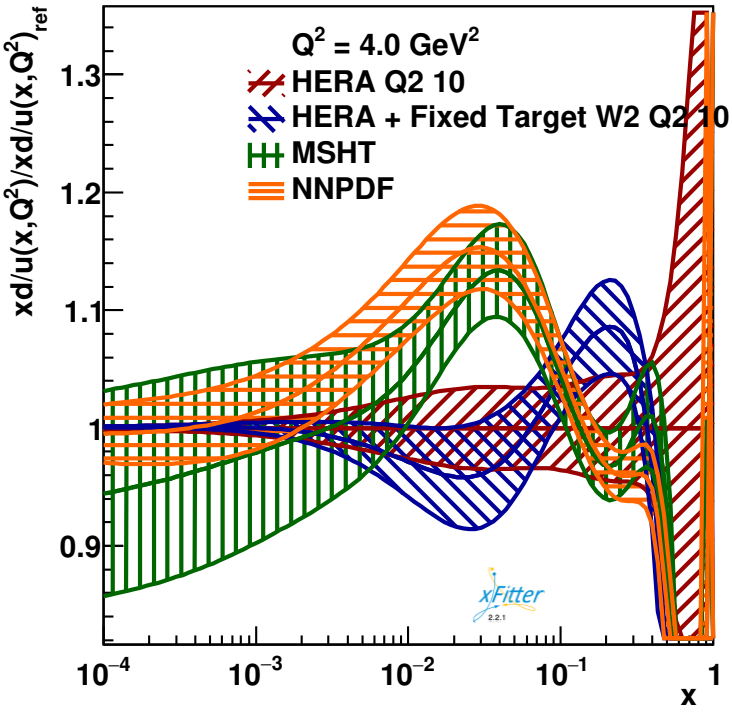

Q^2 = 4.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xU(x,Q^2)/xU(x,Q^2)_{ref}$
x
xFitter

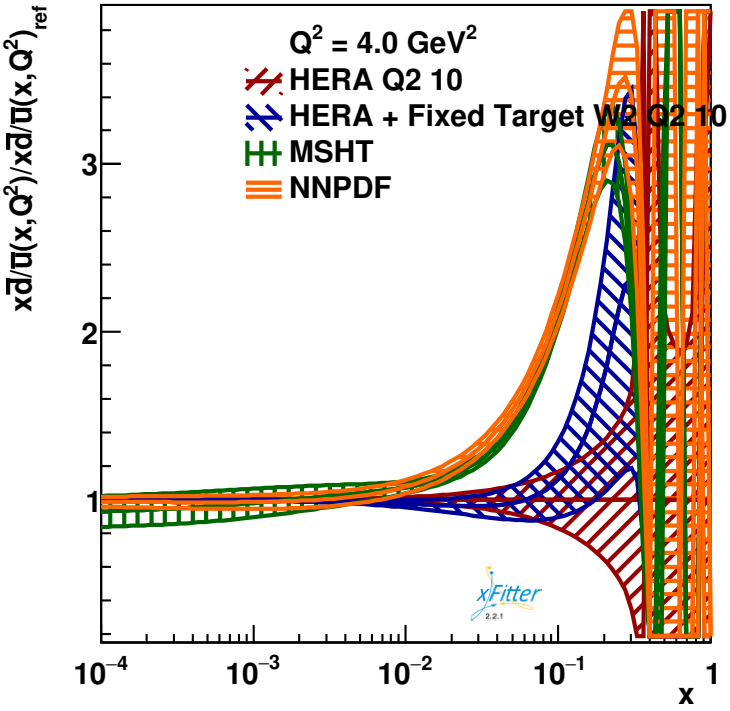

Q^2 = 4.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xD(x,Q^2)/xD(x,Q^2)_{ref}$
x
xFitter

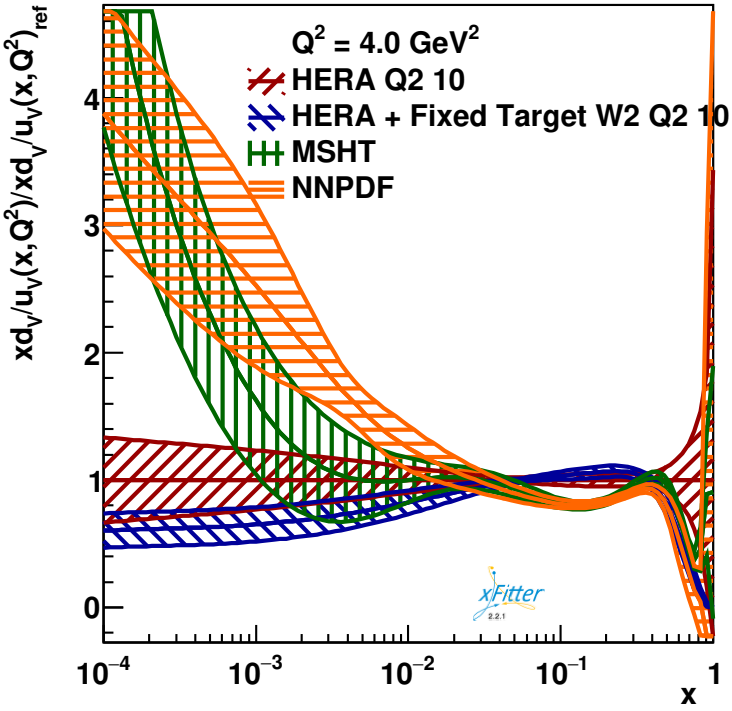

Q^2 = 4.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$x\bar{U}(x,Q^2)/x\bar{U}(x,Q^2)_{ref}$
x
xFitter

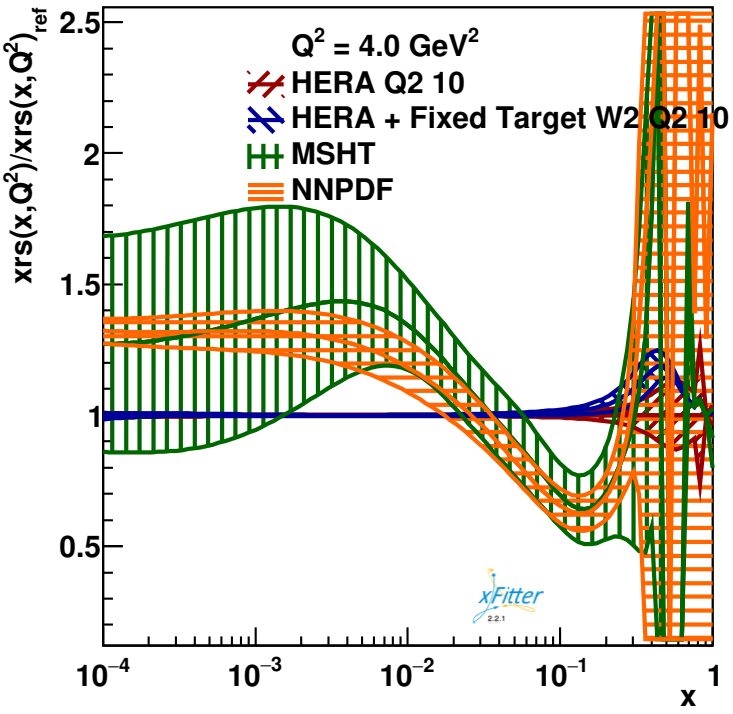

Q^2 = 4.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$x\bar{D}(x,Q^2)/x\bar{D}(x,Q^2)_{ref}$
x
xFitter

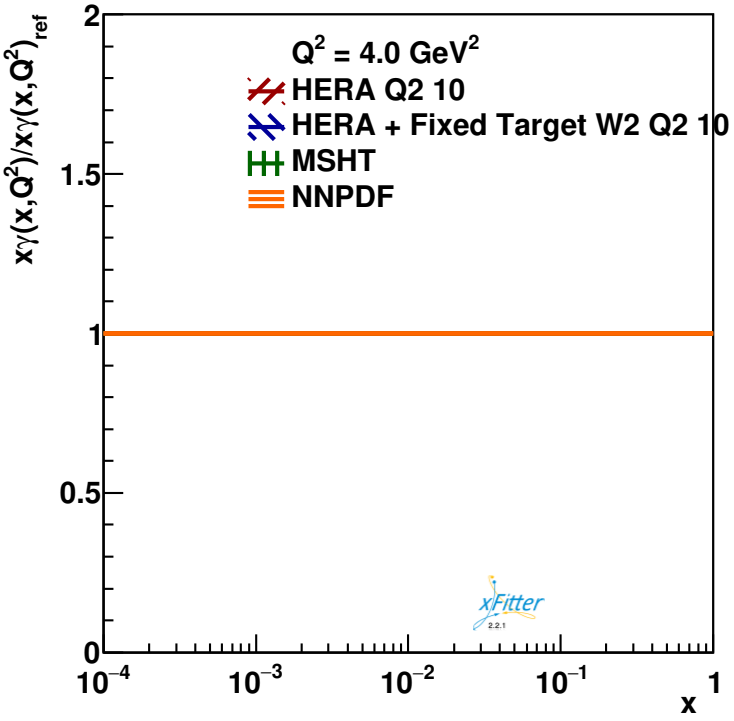

Q^2 = 4.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xg/\Sigma(x,Q^2)/xg/\Sigma(x,Q^2)_{ref}$
x
xFitter

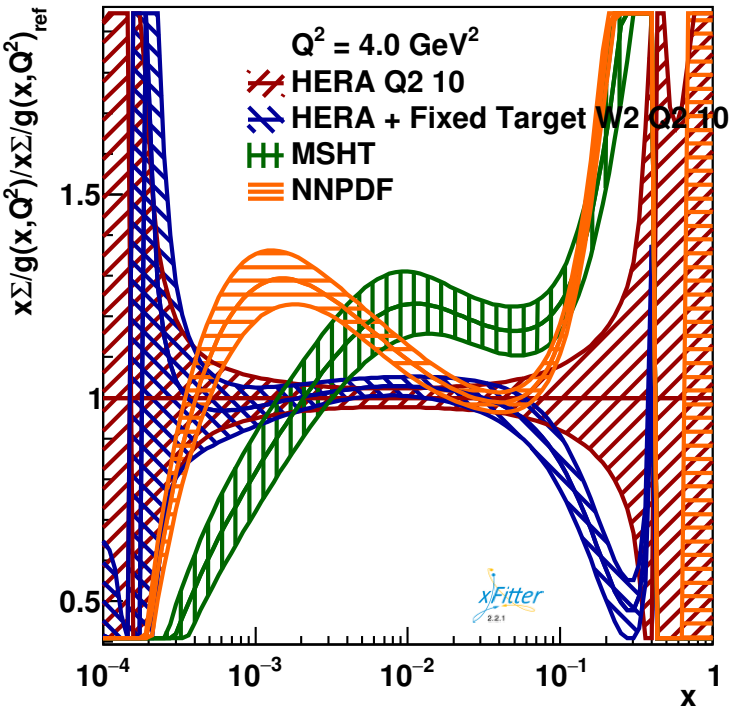

Q^2 = 4.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xd/u(x,Q^2)/xd/u(x,Q^2)_{ref}$
x
xFitter

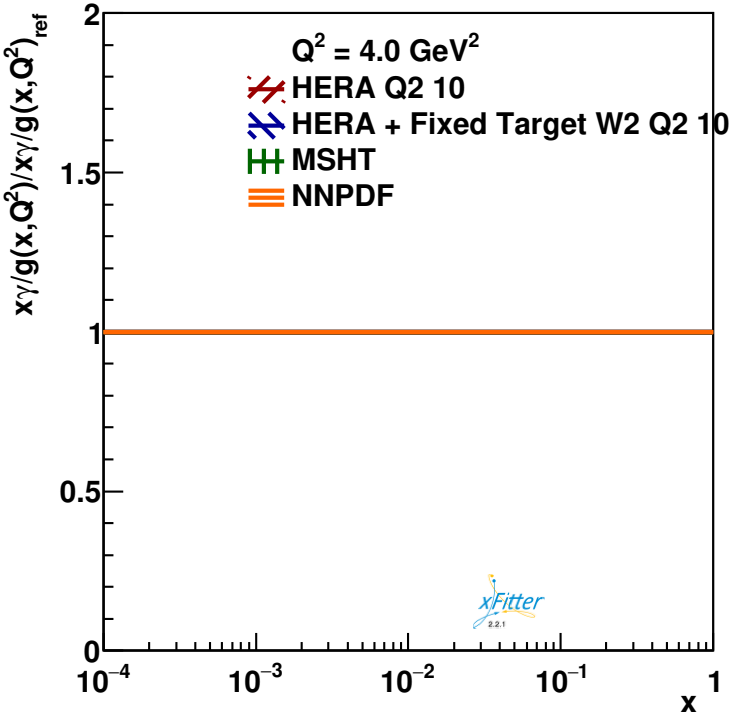

Q^2 = 4.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$x\bar{d}/\bar{u}(x,Q^2)/x\bar{d}/\bar{u}(x,Q^2)_{ref}$
x
xFitter

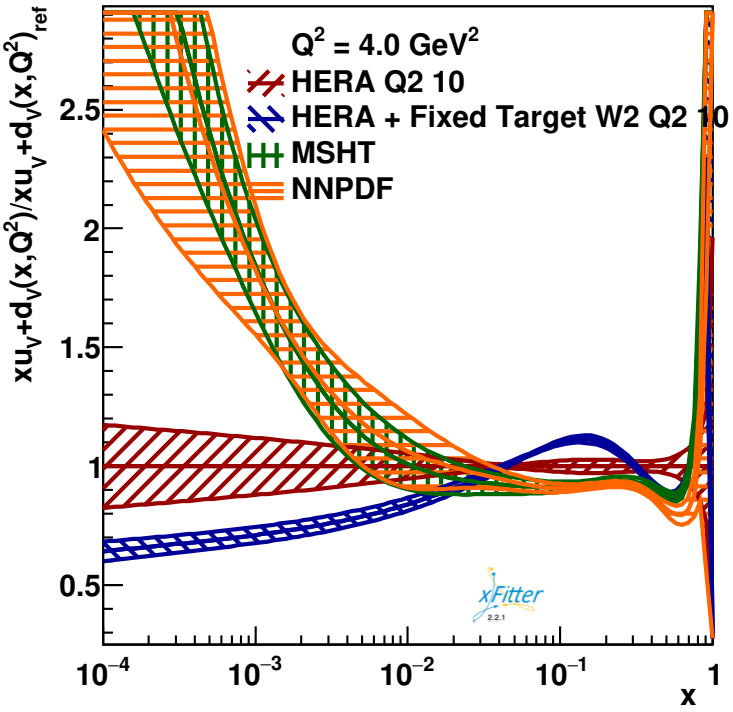

Q^2 = 4.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xd_V/u_V(x,Q^2)/xd_V/u_V(x,Q^2)_{ref}$
x
xFitter

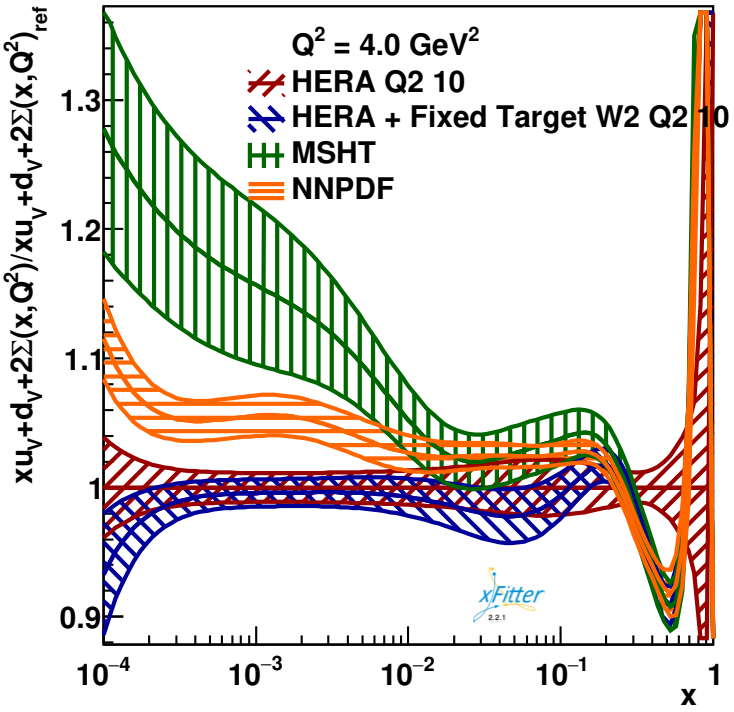

Q^2 = 4.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xrs(x,Q^2)/xrs(x,Q^2)_{ref}$
x
xFitter 2.2.1

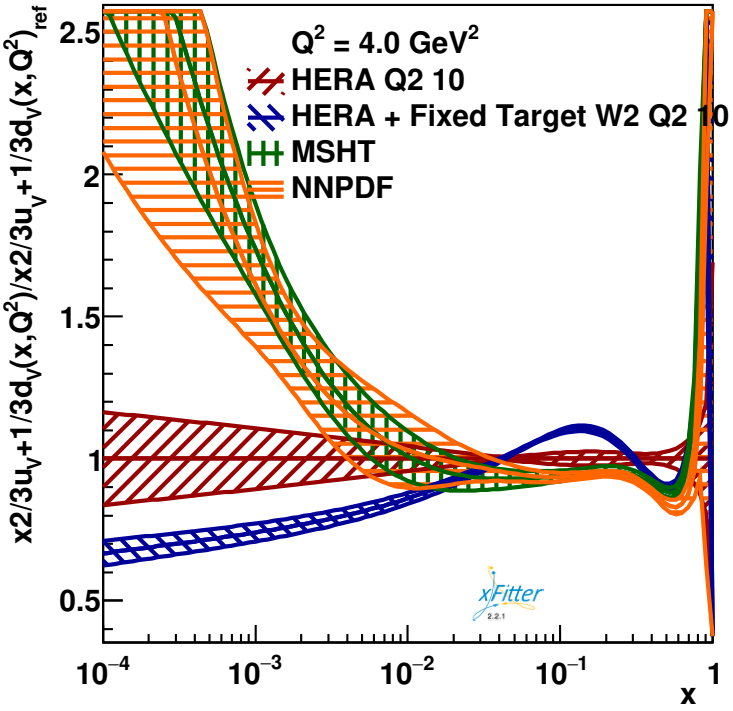

Q^2 = 4.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$x\gamma(x,Q^2)/x\gamma(x,Q^2)_{ref}$
x
xFitter 2.2.1

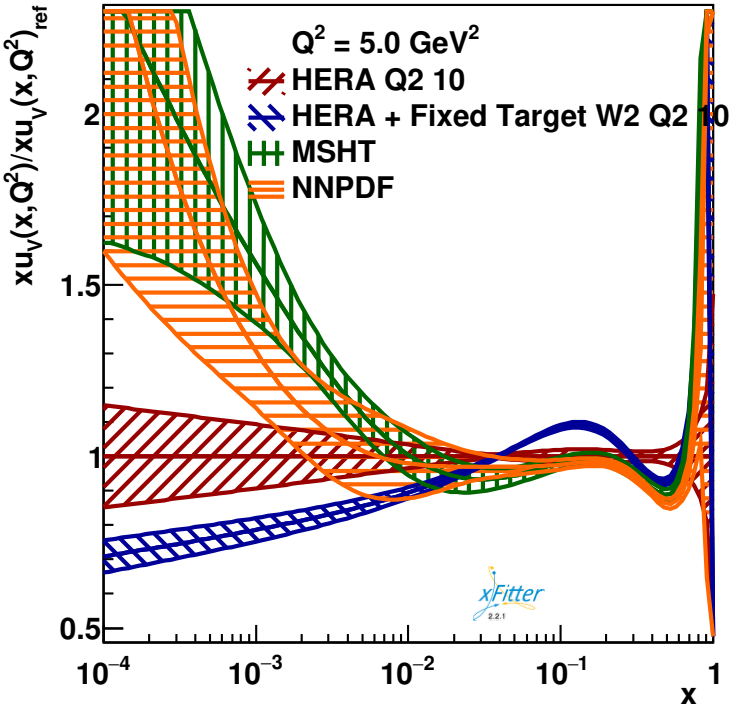

Q^2 = 4.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$x\Sigma/g(x,Q^2)/x\Sigma/g(x,Q^2)_{ref}$
x
xFitter 2.2.1

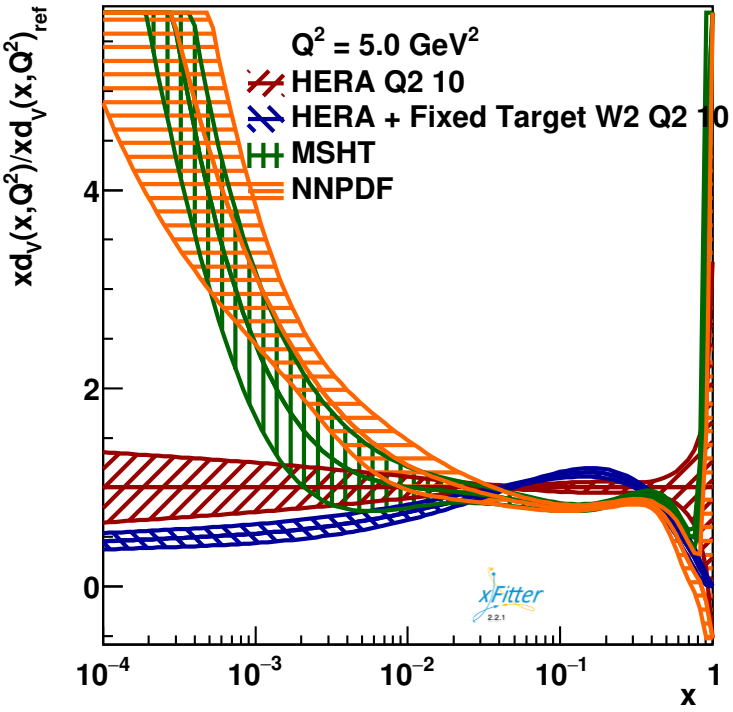

Q^2 = 4.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$x\gamma/g(x,Q^2)/x\gamma/g(x,Q^2)_{ref}$
x
xFitter 2.2.1

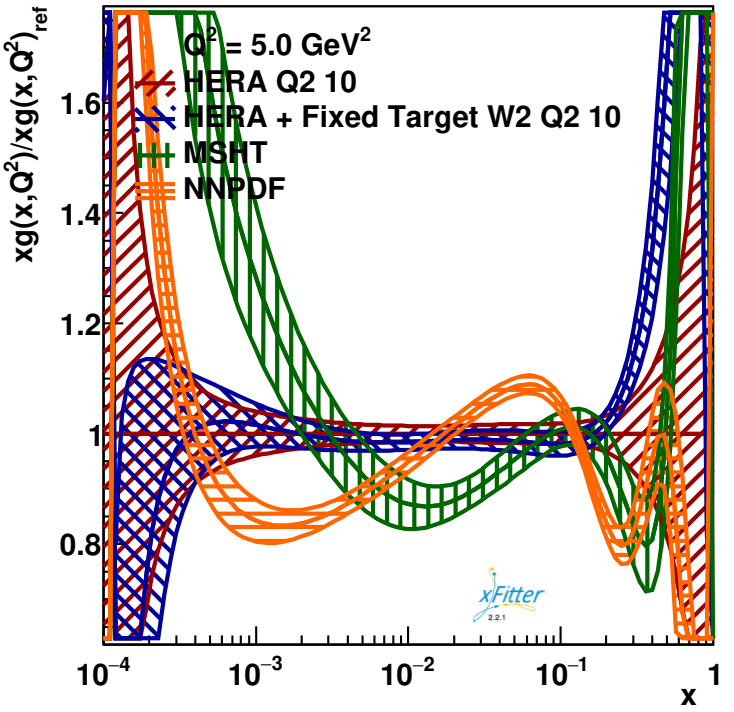

Q^2 = 4.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xu_V+d_V(x,Q^2)/xu_V+d_V(x,Q^2)_{ref}$
x
xFitter 2.2.1

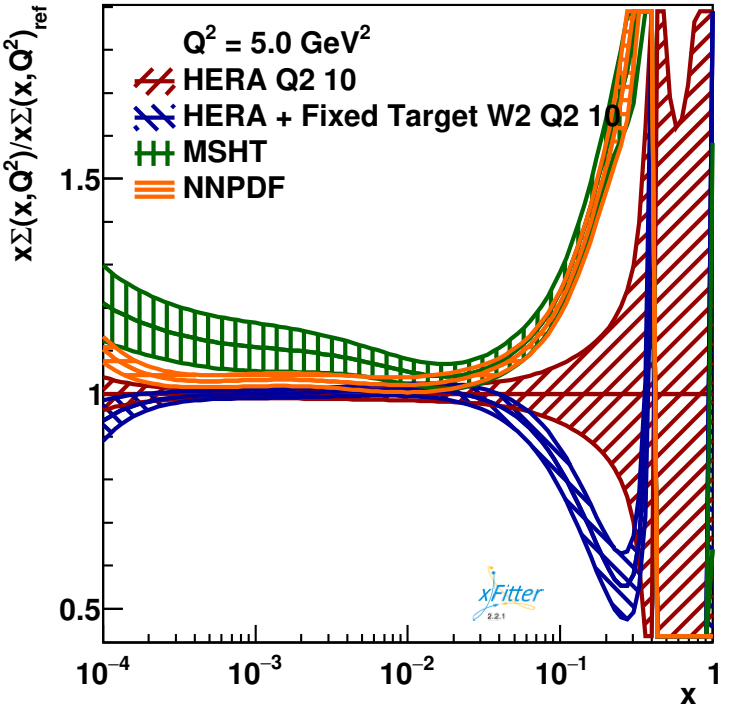

Q^2 = 4.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xu_V+d_V+2\Sigma(x,Q^2)/xu_V+d_V+2\Sigma(x,Q^2)_{ref}$
x
xFitter 2.2.1

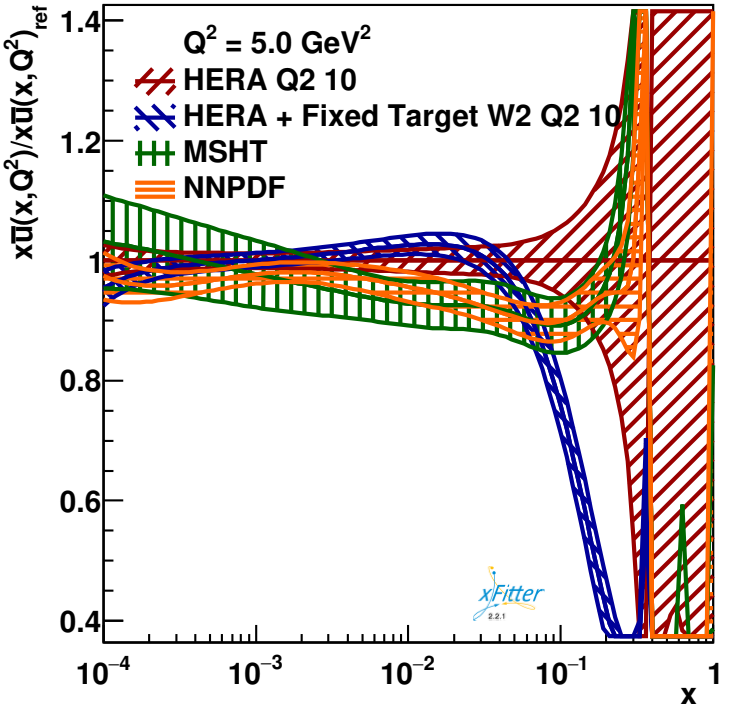

Q^2 = 4.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$x2/3u_V+1/3d_V(x,Q^2)/x2/3u_V+1/3d_V(x,Q^2)_{ref}$
x
xFitter 2.2.1

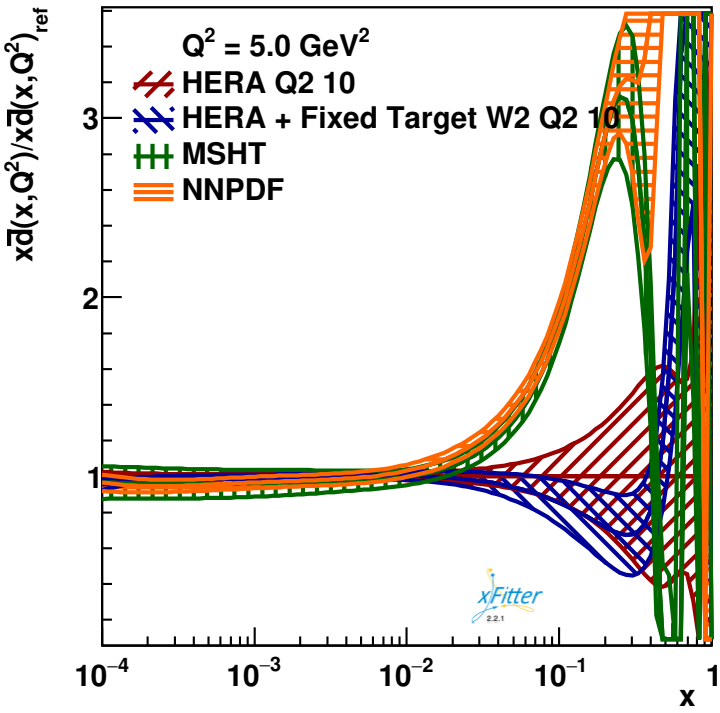

Q^2 = 5.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xu_V(x,Q^2)/xu_V(x,Q^2)_{ref}$
x
xFitter 2.2.1

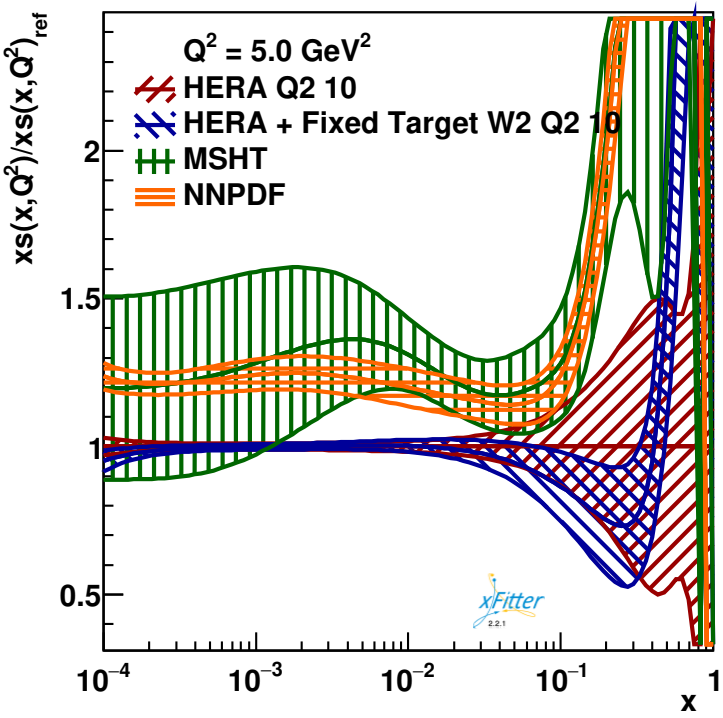

$xd_V(x,Q^2)/xd_V(x,Q^2)_{ref}$
Q^2 = 5.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter
x

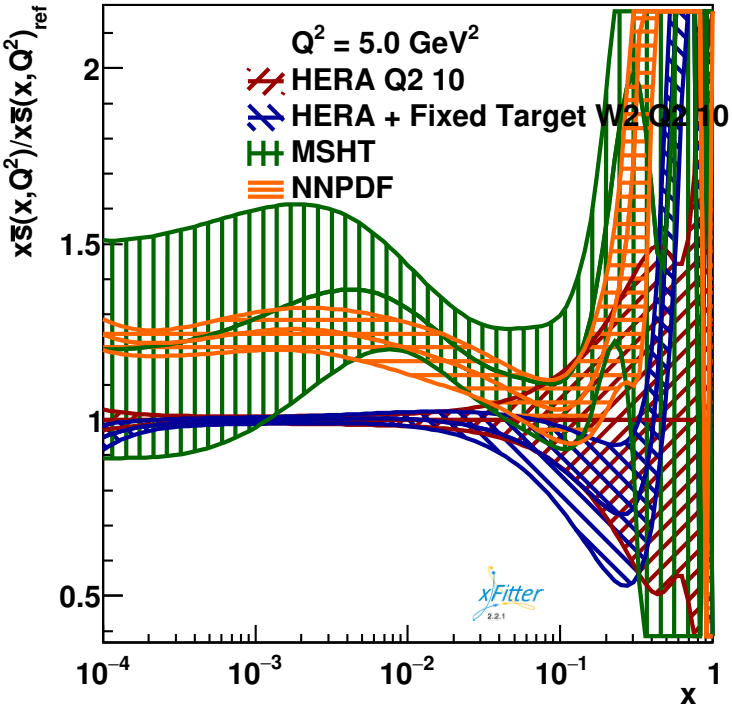

$xg(x,Q^2)/xg(x,Q^2)_{ref}$
Q^2 = 5.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter
x

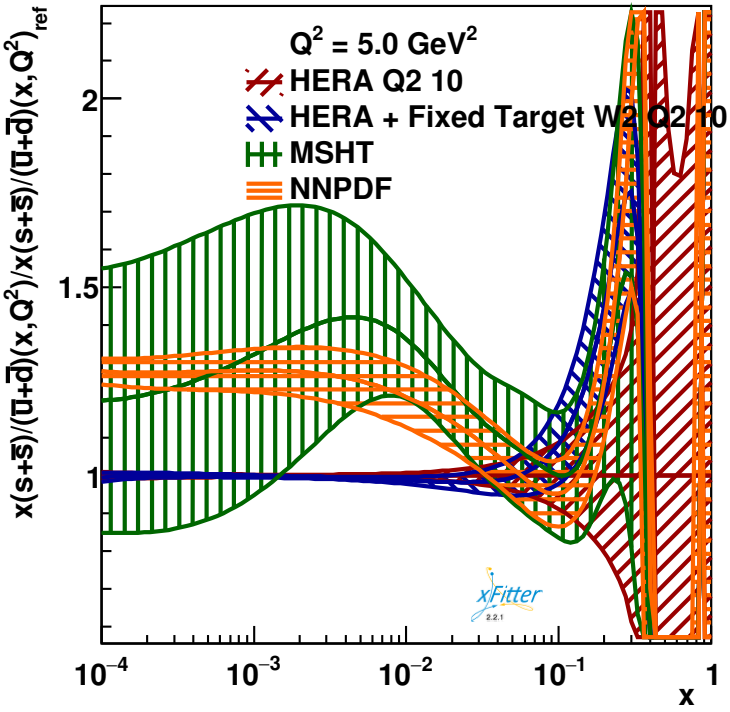

$x\Sigma(x,Q^2)/x\Sigma(x,Q^2)_{ref}$
Q^2 = 5.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter
x

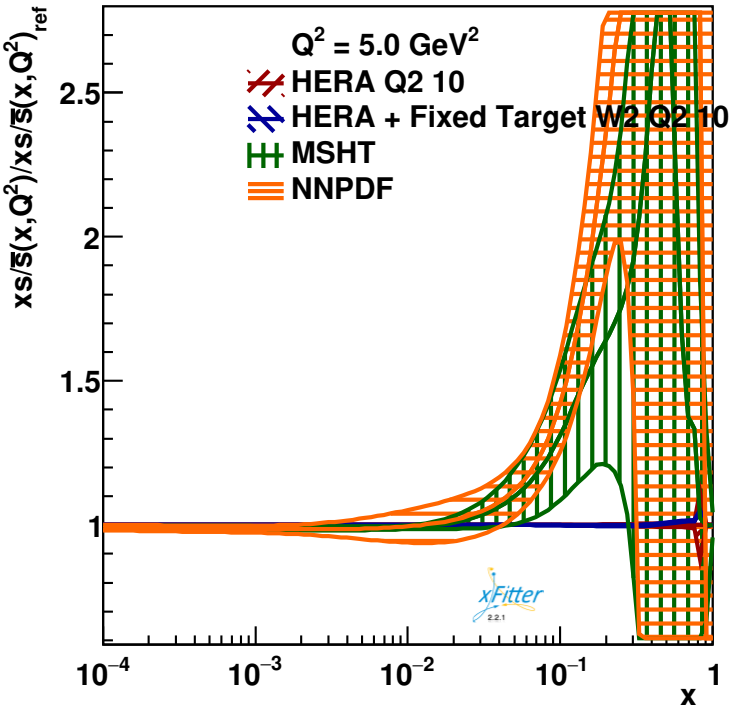

$x\bar{U}(x,Q^2)/x\bar{U}(x,Q^2)_{ref}$
Q^2 = 5.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter
x

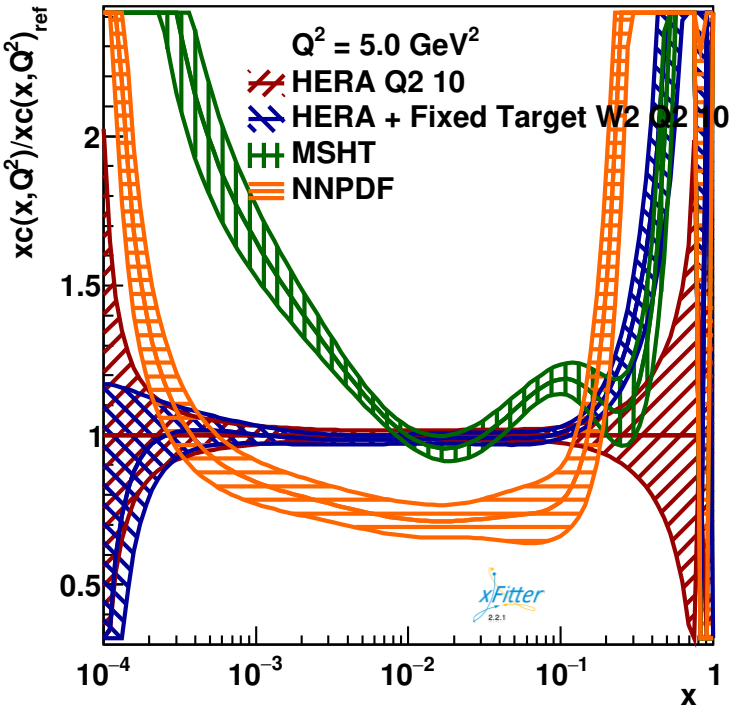

Q^2 = 5.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$x\bar{d}(x,Q^2)/x\bar{d}(x,Q^2)_{ref}$
x
xFitter

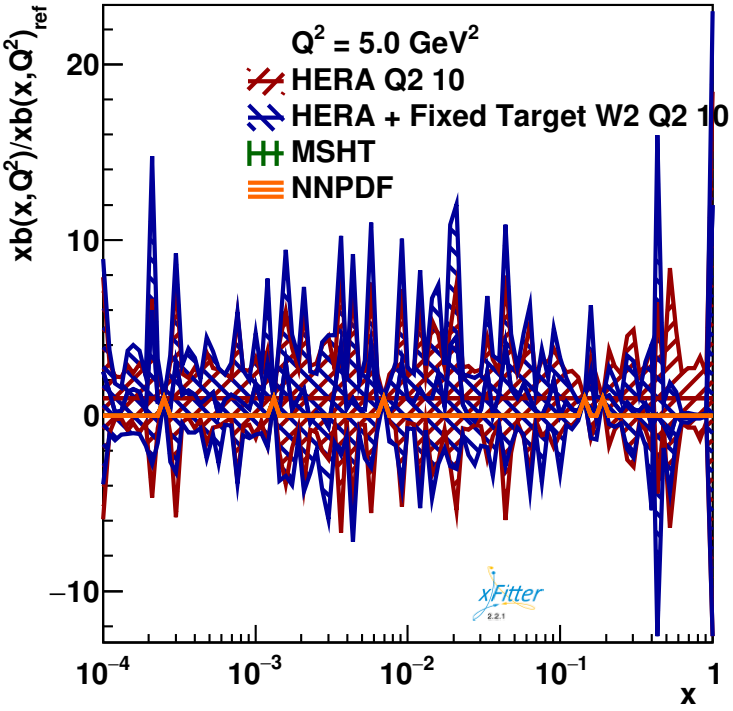

Q^2 = 5.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xs(x,Q^2)/xs(x,Q^2)_{ref}$
x
xFitter

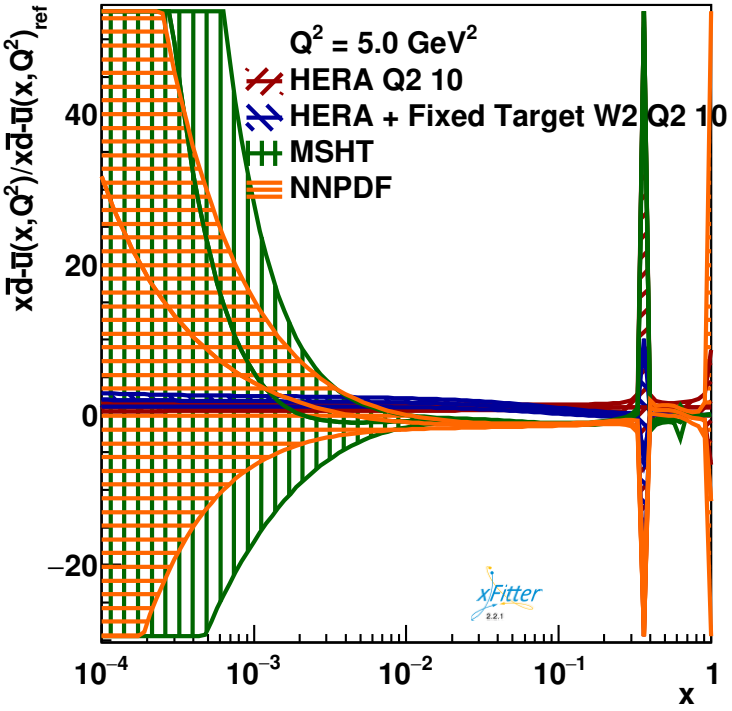

Q^2 = 5.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$x\bar{s}(x,Q^2)/x\bar{s}(x,Q^2)_{ref}$
x
xFitter

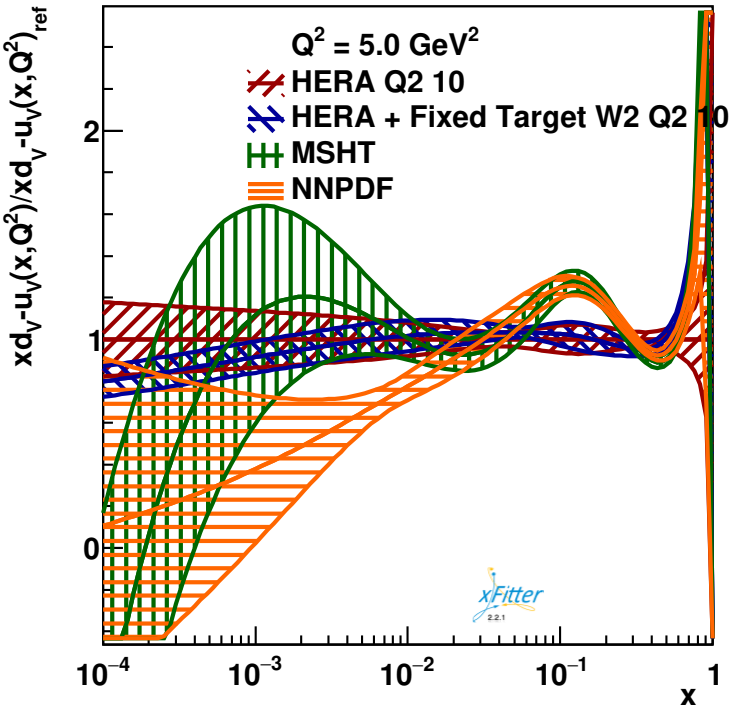

Q^2 = 5.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$x(s+\bar{s})/(\bar{u}+\bar{d})(x,Q^2)/x(s+\bar{s})/(\bar{u}+\bar{d})(x,Q^2)_{ref}$
x
xFitter

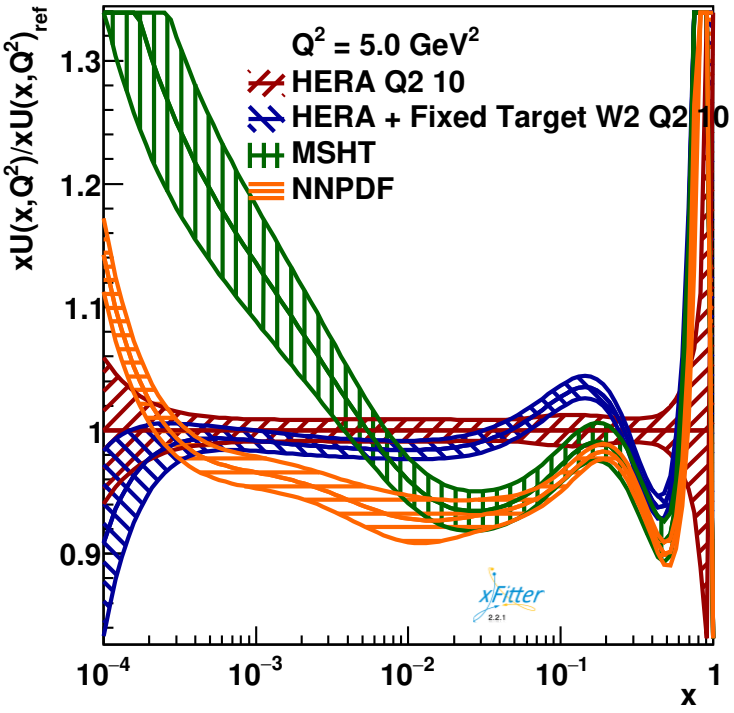

Q^2 = 5.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xs/\bar{s}(x,Q^2)/xs/\bar{s}(x,Q^2)_{ref}$
x
xFitter

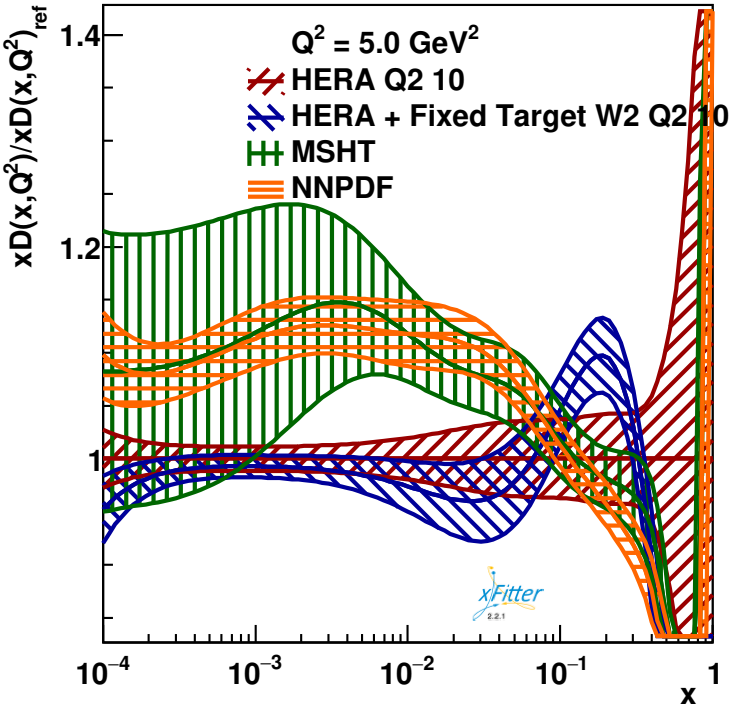

Q^2 = 5.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xc(x,Q^2)/xc(x,Q^2)_{ref}$
x
xFitter

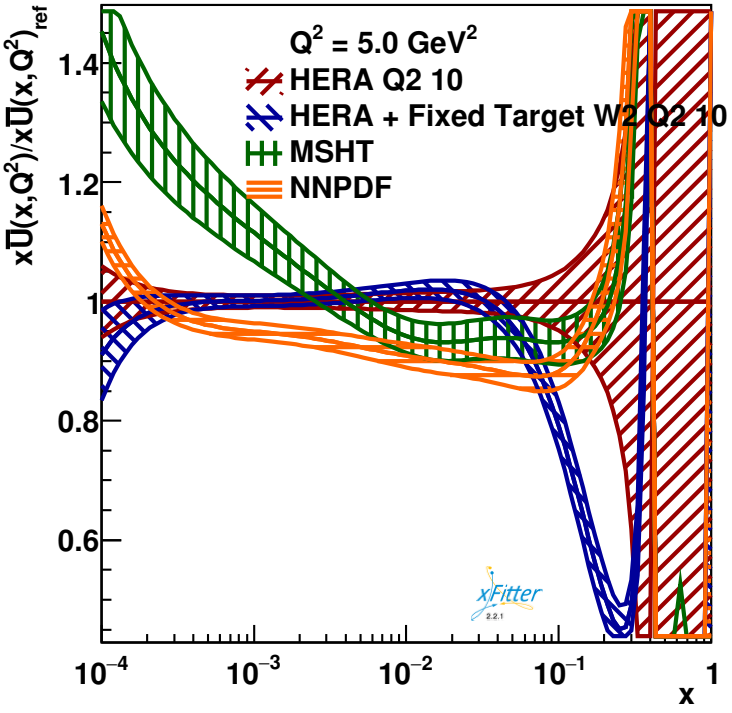

Q^2 = 5.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xb(x,Q^2)/xb(x,Q^2)_{ref}$
x
xFitter

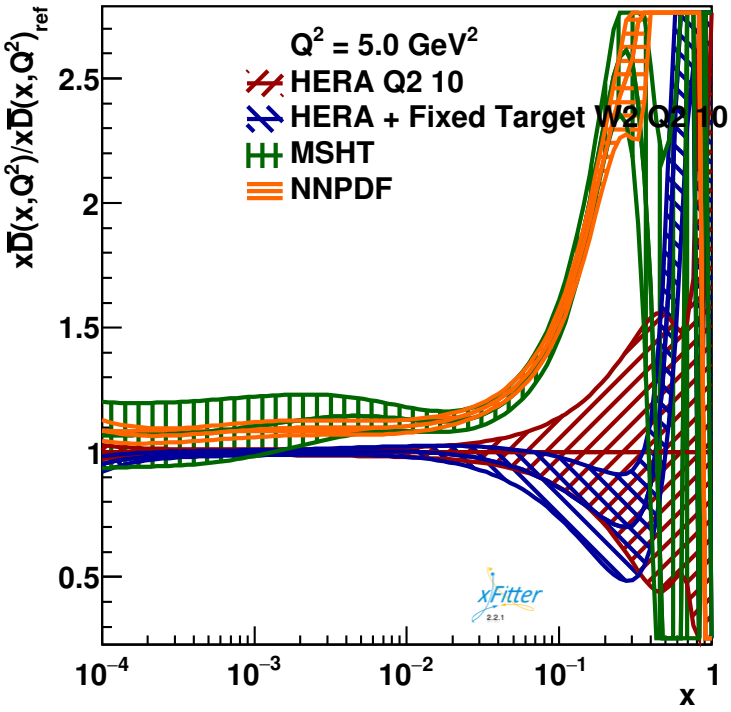

Q^2 = 5.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$x\bar{d}-\bar{u}(x,Q^2)/x\bar{d}-\bar{u}(x,Q^2)_{ref}$
x
xFitter

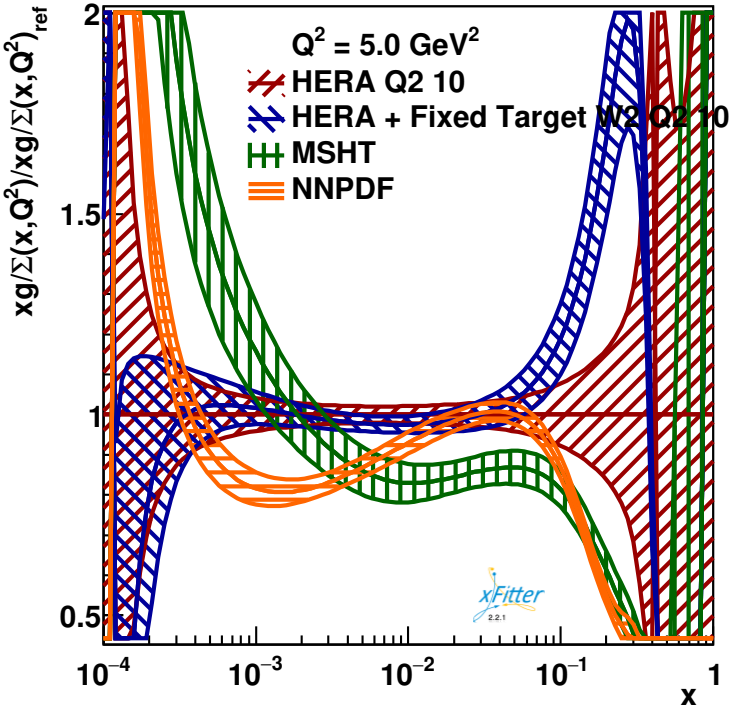

Q^2 = 5.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xd_V\text{-}u_V(x,Q^2)/xd_V\text{-}u_V(x,Q^2)_{ref}$
x
xFitter

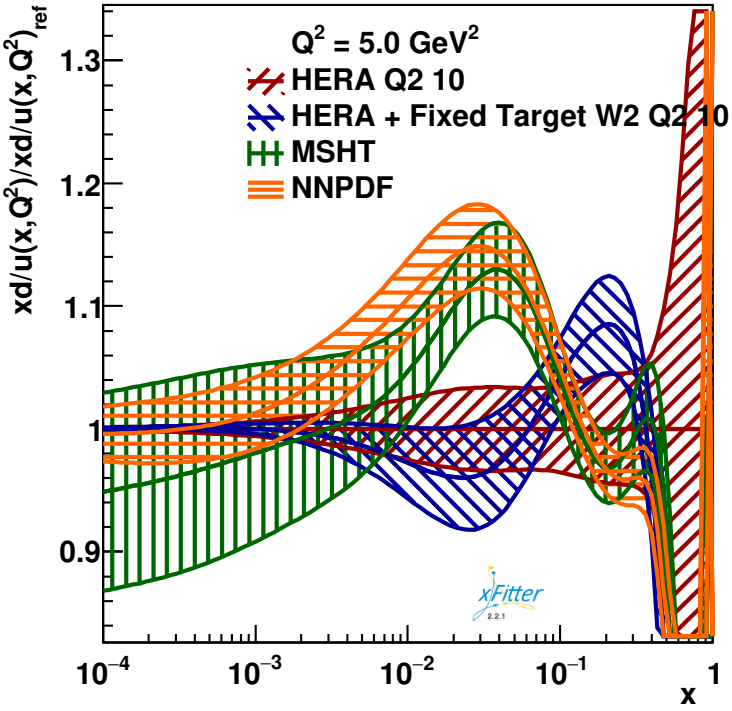

Q^2 = 5.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xU(x,Q^2)/xU(x,Q^2)_{ref}$
x
xFitter

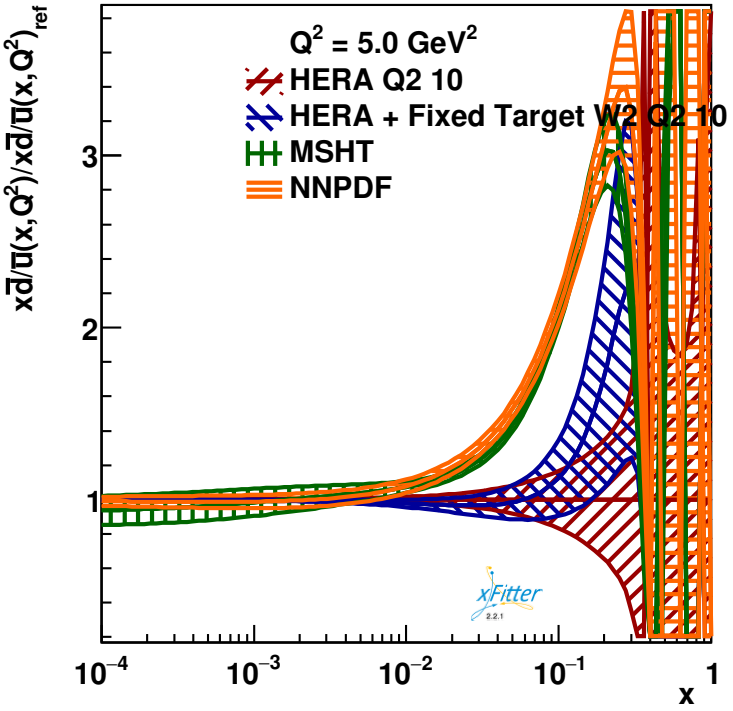

Q^2 = 5.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xD(x,Q^2)/xD(x,Q^2)_{ref}$
x
xFitter

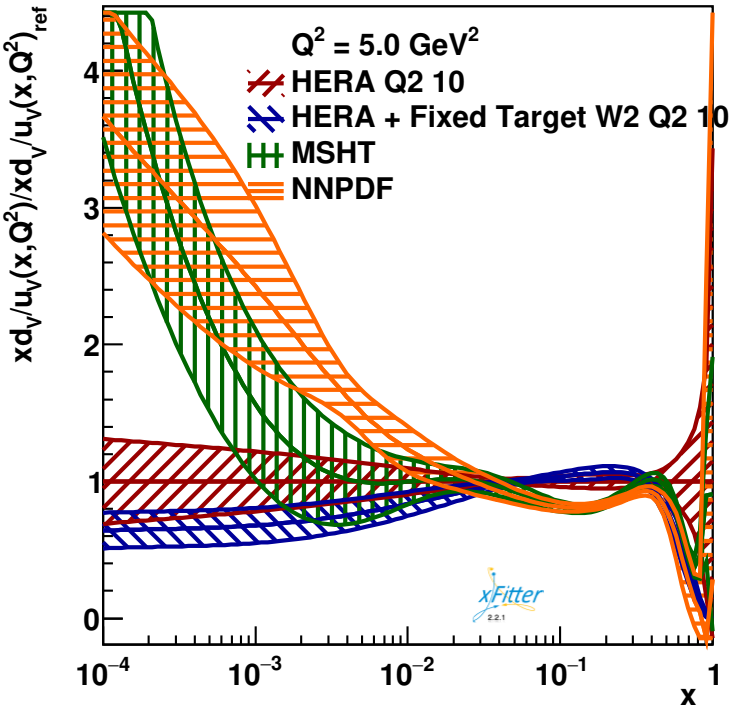

Q^2 = 5.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$x\bar{U}(x,Q^2)/x\bar{U}(x,Q^2)_{ref}$
x
xFitter

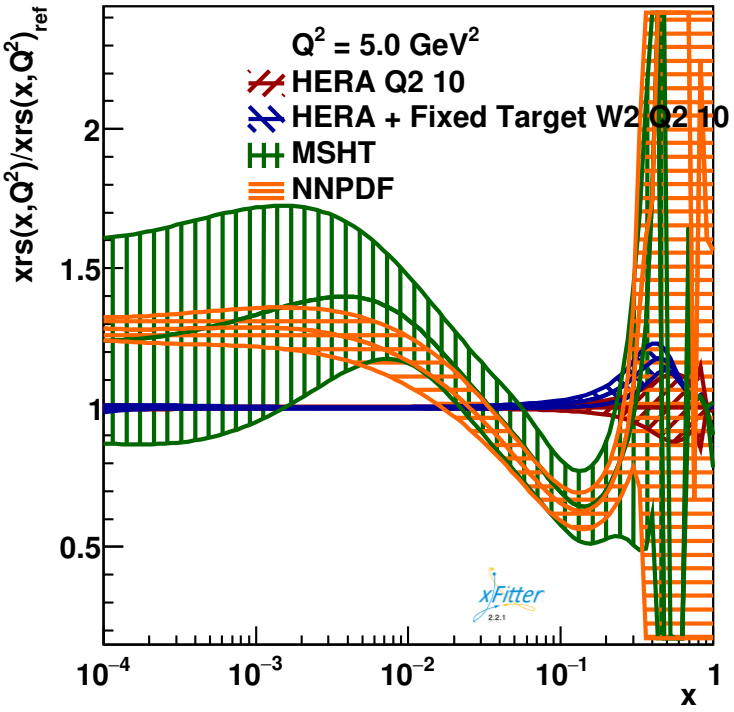

Q^2 = 5.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$x\bar{D}(x,Q^2)/x\bar{D}(x,Q^2)_{ref}$
x
xFitter

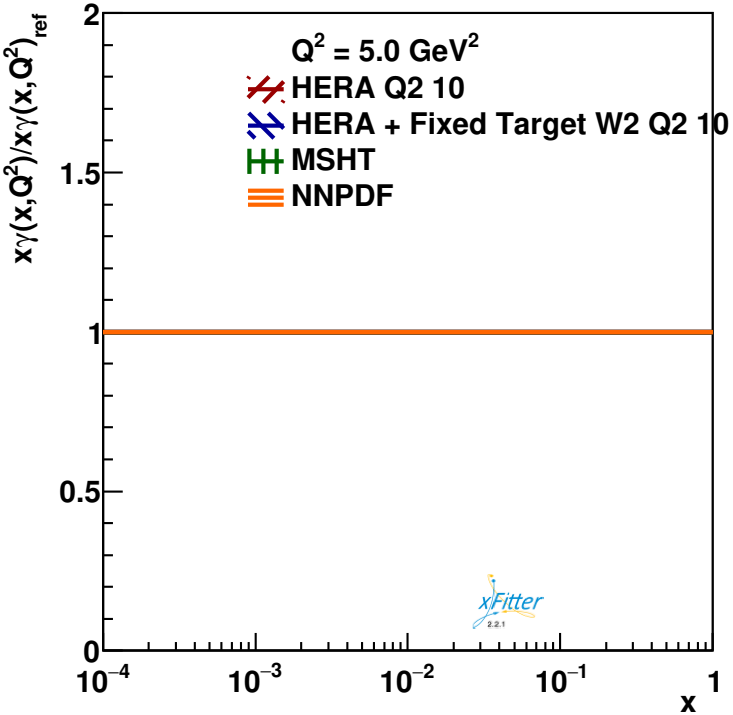

Q^2 = 5.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xg/\Sigma(x,Q^2)/xg/\Sigma(x,Q^2)_{ref}$
x
xFitter

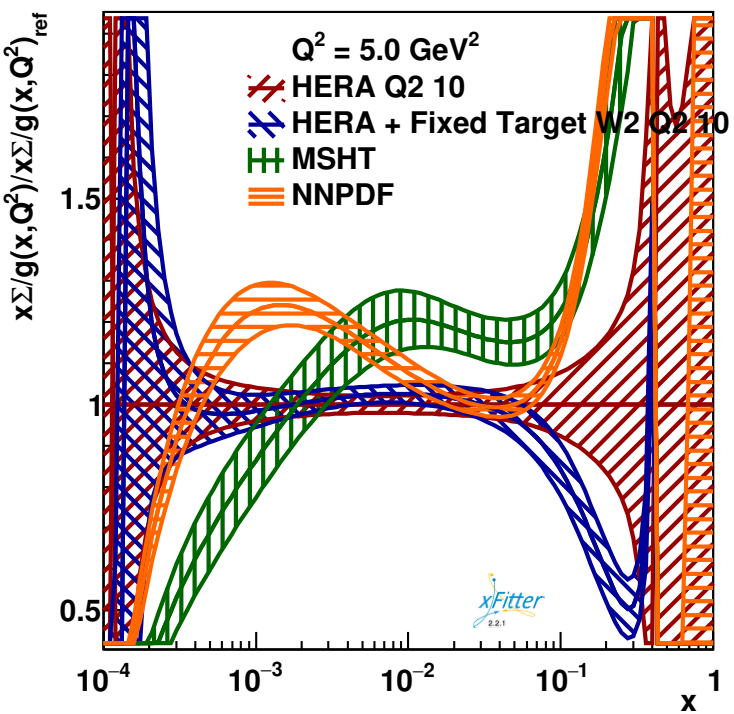

Q^2 = 5.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xd/u(x,Q^2)/xd/u(x,Q^2)_{ref}$
x
xFitter

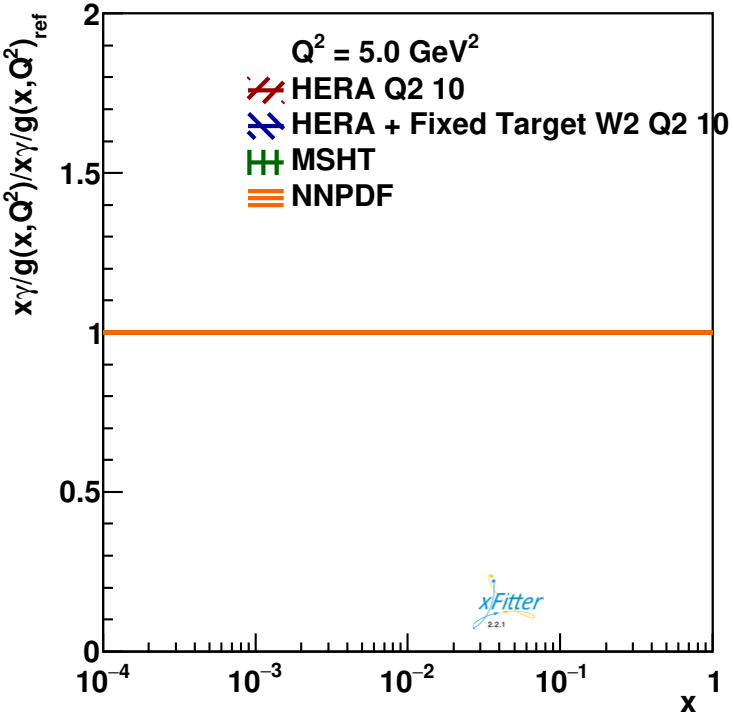

Q^2 = 5.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$x\bar{d}/\bar{u}(x,Q^2)/x\bar{d}/\bar{u}(x,Q^2)_{ref}$
x
xFitter

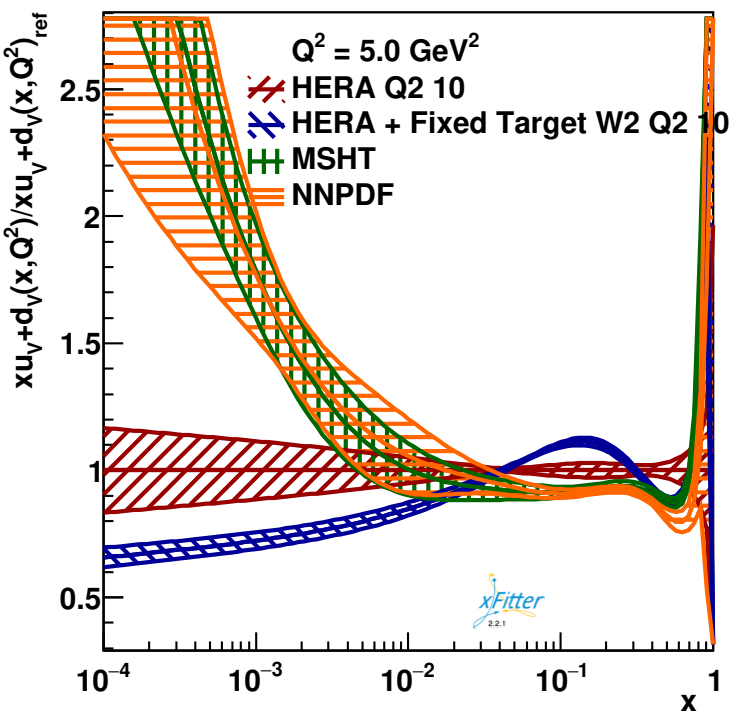

$xd_V/u_V(x,Q^2)/xd_V/u_V(x,Q^2)_{ref}$
Q^2 = 5.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter
x

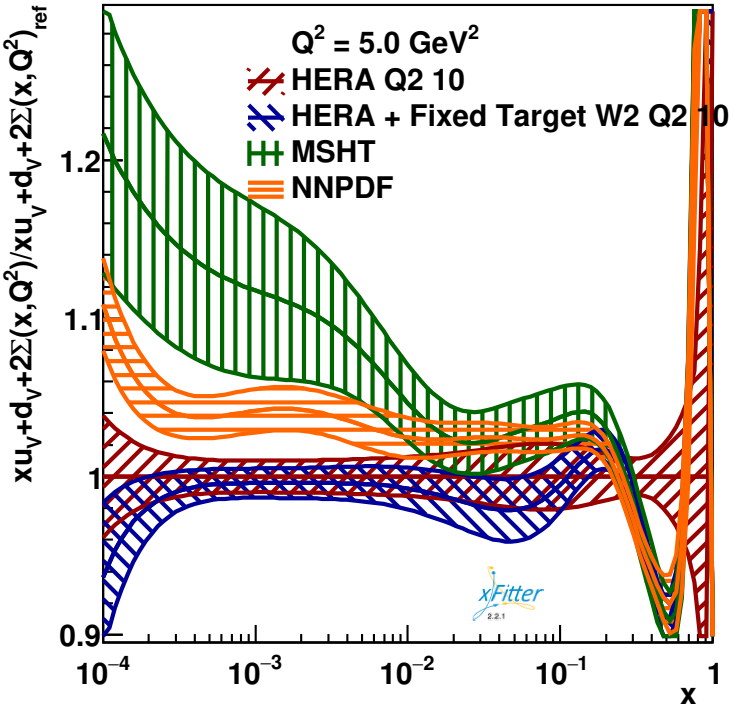

$xrs(x,Q^2)/xrs(x,Q^2)_{ref}$
Q^2 = 5.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter
x

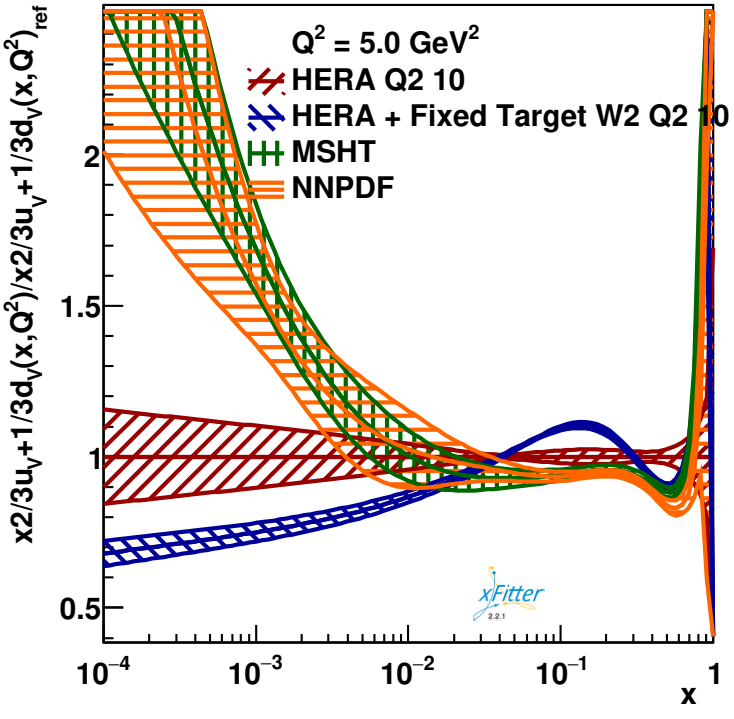

$x\gamma(x,Q^2)/x\gamma(x,Q^2)_{ref}$
Q^2 = 5.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter
x

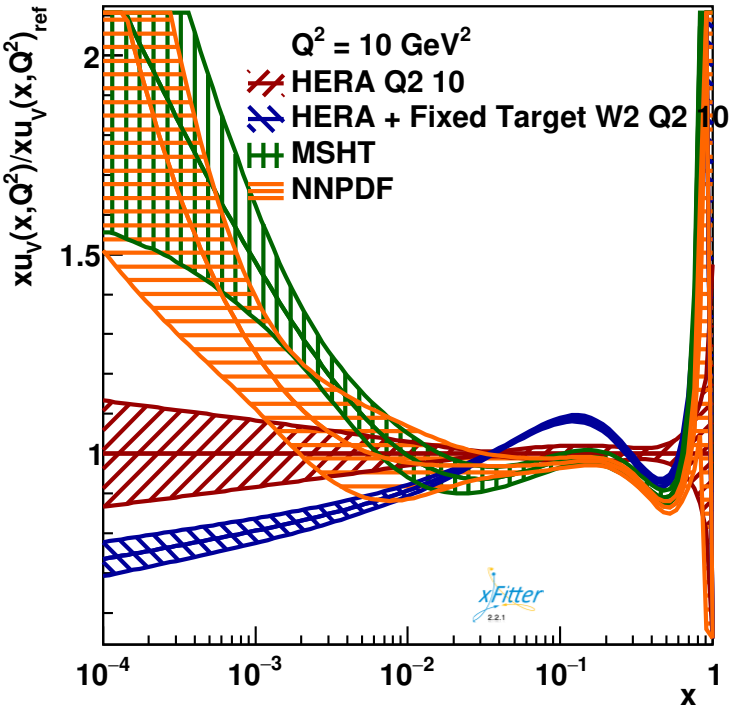

$x\Sigma/g(x,Q^2)/x\Sigma/g(x,Q^2)_{ref}$
Q^2 = 5.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter
x

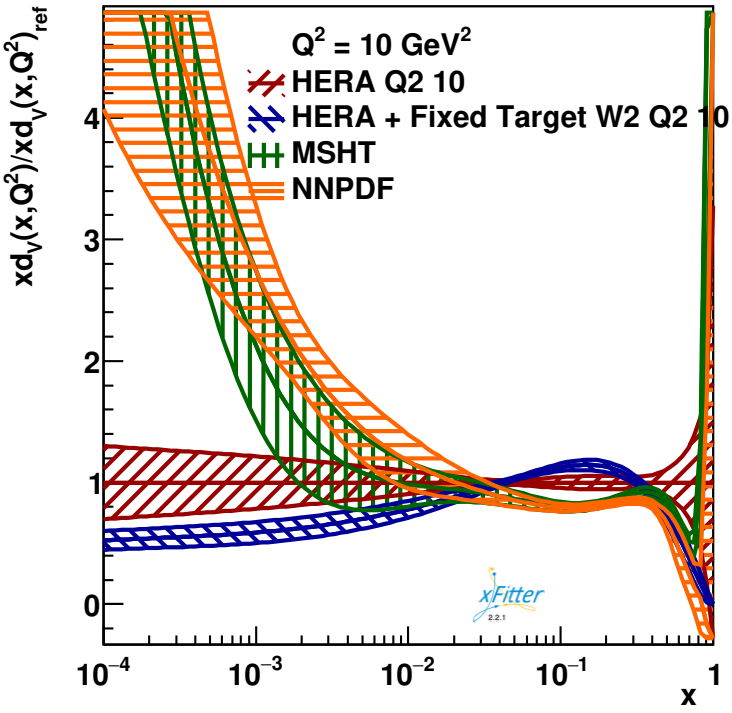

Q^2 = 5.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$x\gamma/g(x,Q^2)/x\gamma/g(x,Q^2)_{ref}$
x
xFitter

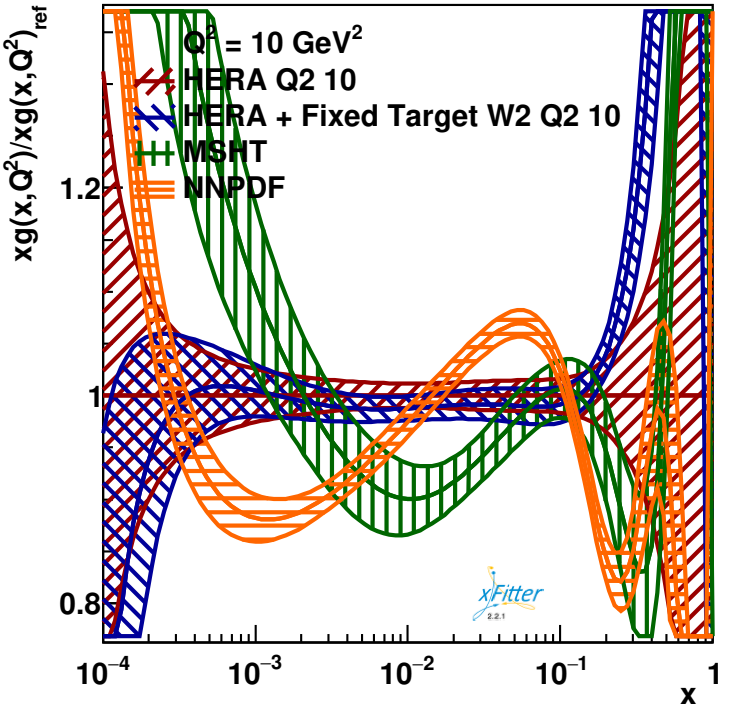

Q^2 = 5.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xu_V+d_V(x,Q^2)/xu_V+d_V(x,Q^2)_{ref}$
x
xFitter

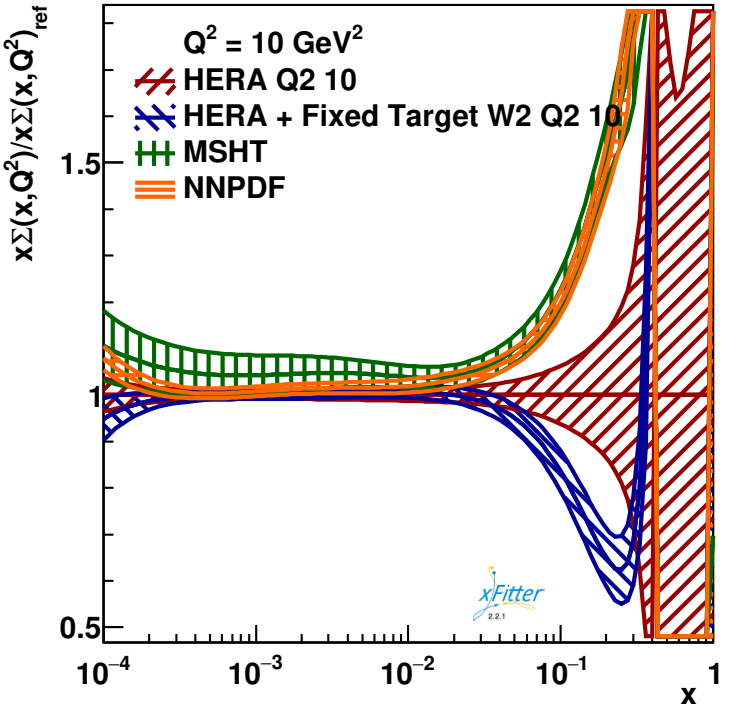

Q^2 = 5.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xu_V+d_V+2\Sigma(x,Q^2)/xu_V+d_V+2\Sigma(x,Q^2)_{ref}$
x
xFitter

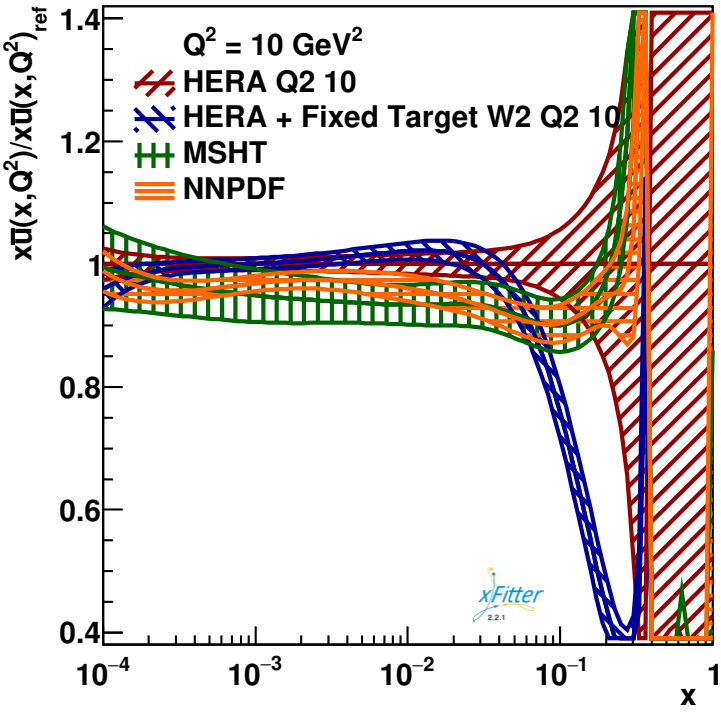

Q^2 = 5.0 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$x2/3u_V+1/3d_V(x,Q^2)/x2/3u_V+1/3d_V(x,Q^2)_{ref}$
x
xFitter

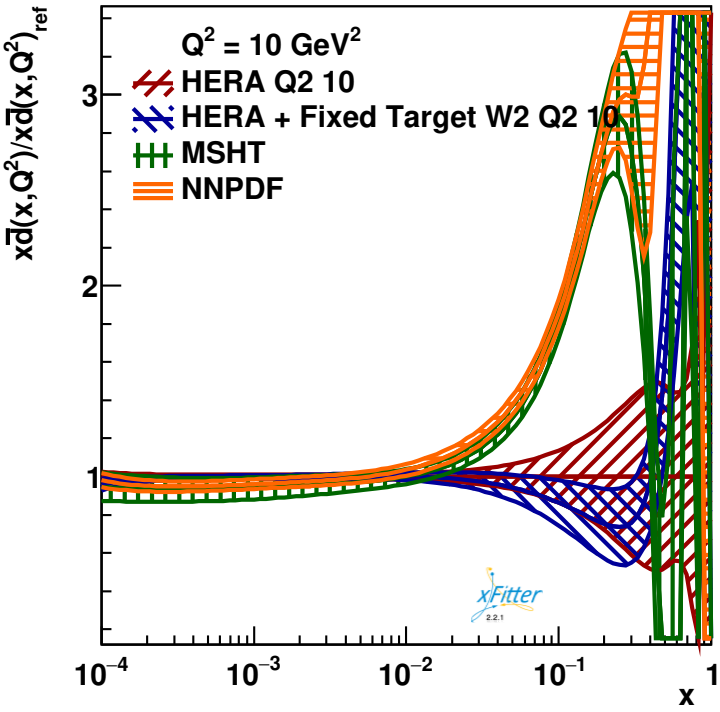

$xu_V(x,Q^2)/xu_V(x,Q^2)_{ref}$
Q^2 = 10 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter
2.2.1
x

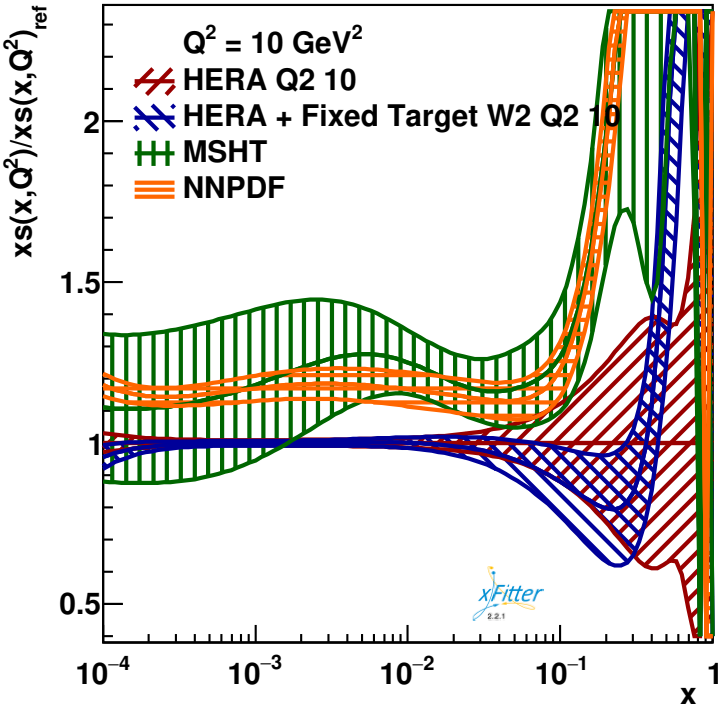

$xd_V(x,Q^2)/xd_V(x,Q^2)_{ref}$
Q^2 = 10 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter
2.2.1
x

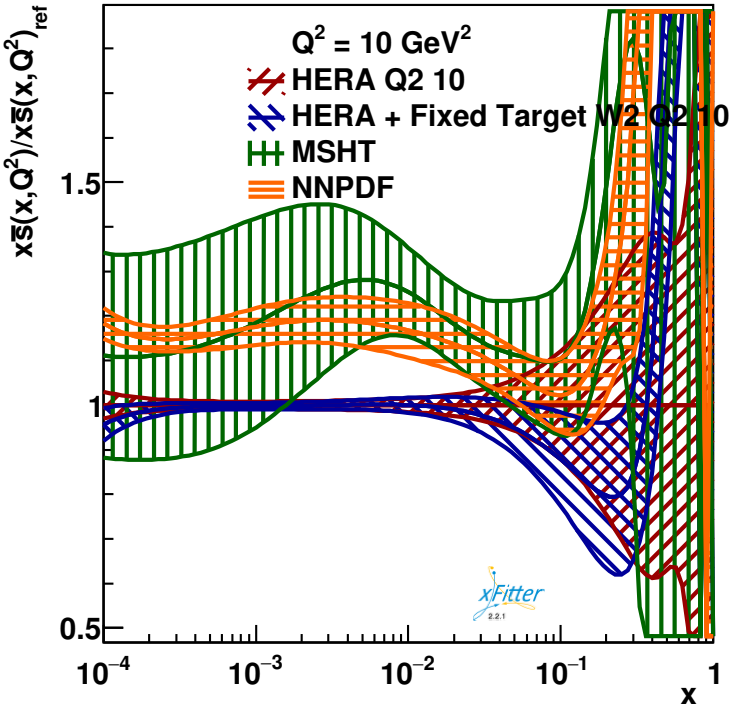

$xg(x,Q^2)/xg(x,Q^2)_{ref}$
Q^2 = 10 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter
2.2.1
x

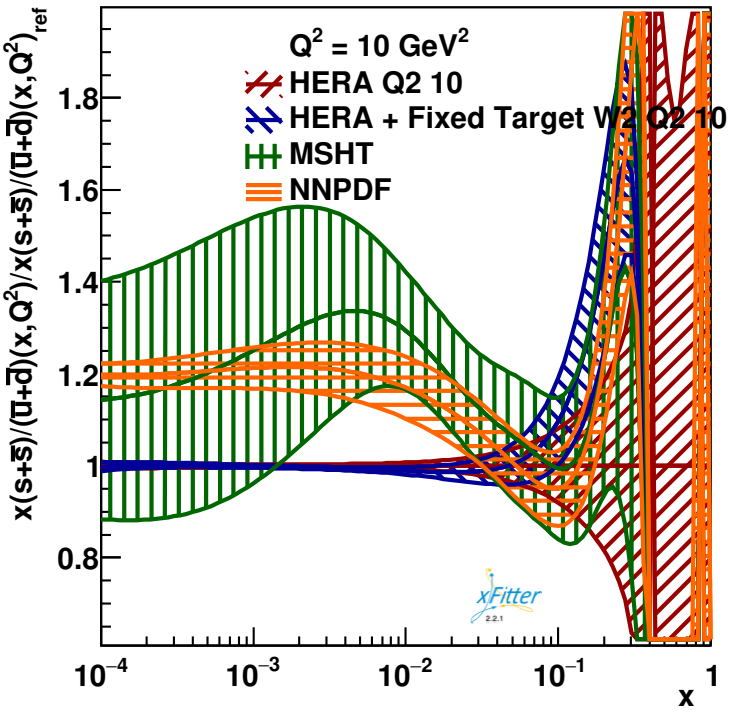

$x\Sigma(x,Q^2)/x\Sigma(x,Q^2)_{ref}$
Q^2 = 10 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter
2.2.1
x

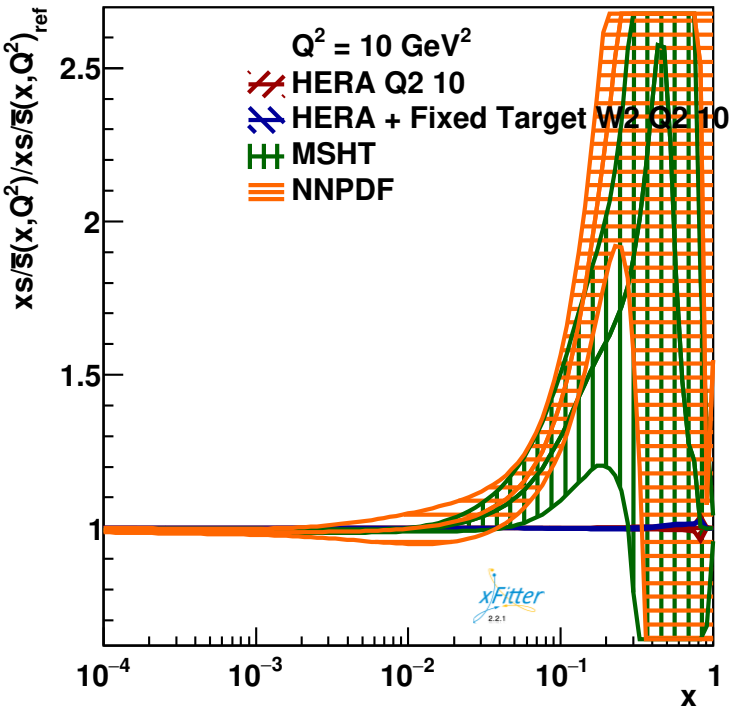

Q^2 = 10 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$x\bar{u}(x,Q^2)/x\bar{u}(x,Q^2)_{ref}$
x
xFitter

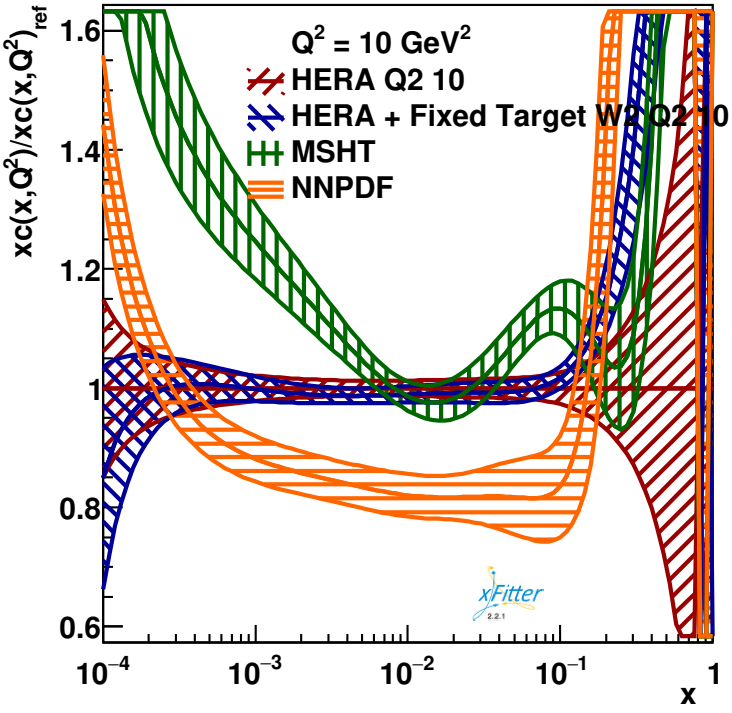

Q^2 = 10 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$x\bar{d}(x,Q^2)/x\bar{d}(x,Q^2)_{ref}$
x
xFitter

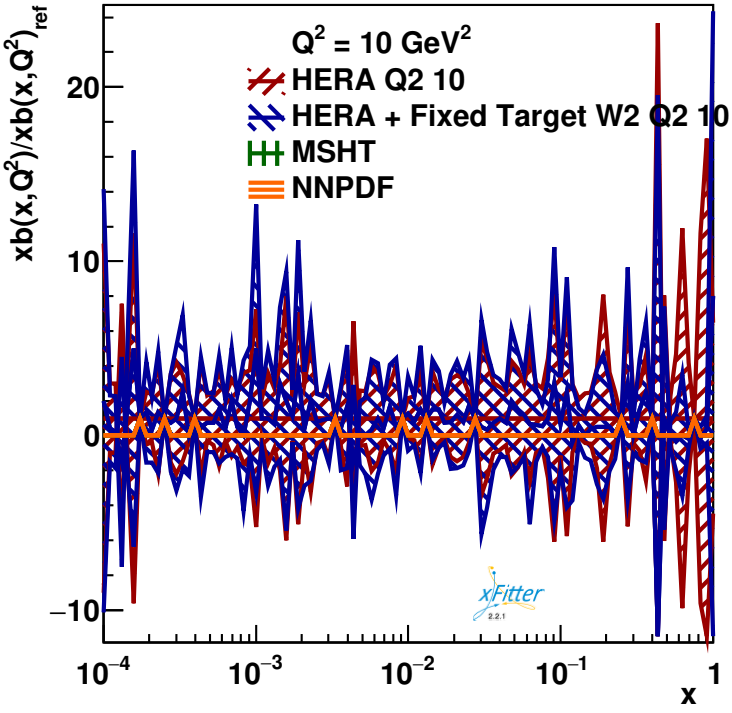

Q^2 = 10 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xs(x,Q^2)/xs(x,Q^2)_{ref}$
x
xFitter

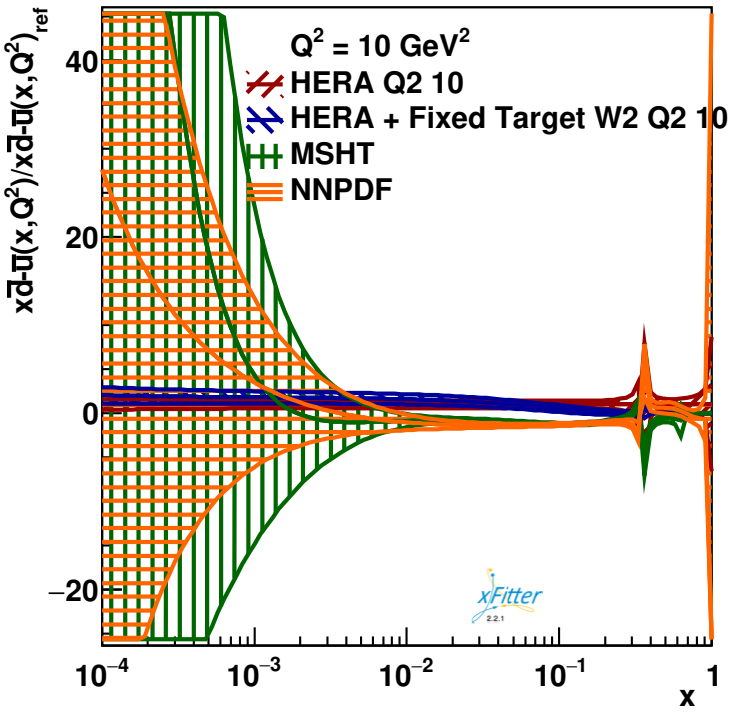

Q^2 = 10 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$x\bar{s}(x,Q^2)/x\bar{s}(x,Q^2)_{ref}$
x
xFitter

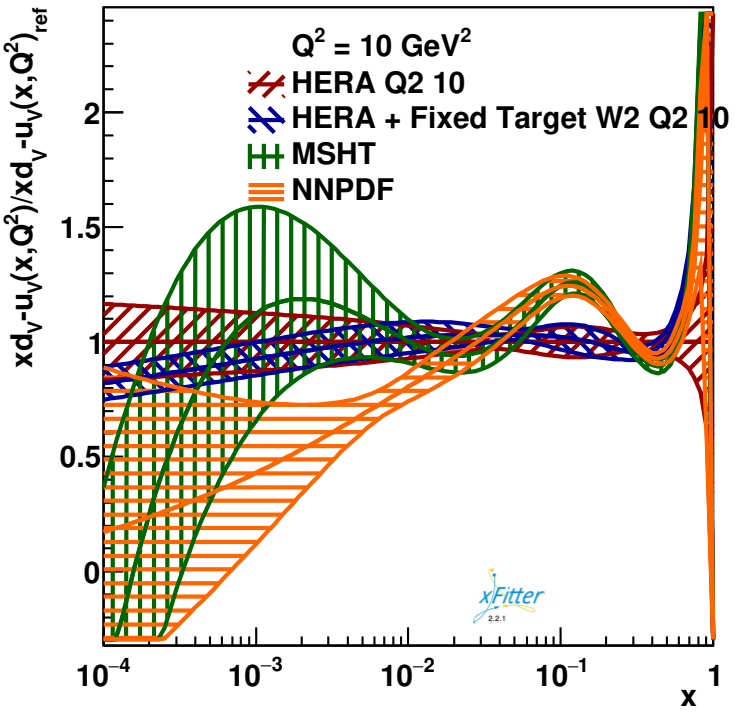

Q^2 = 10 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$x(s+\bar{s})/(\bar{u}+\bar{d})(x,Q^2)/x(s+\bar{s})/(\bar{u}+\bar{d})(x,Q^2)_{ref}$
x
xFitter

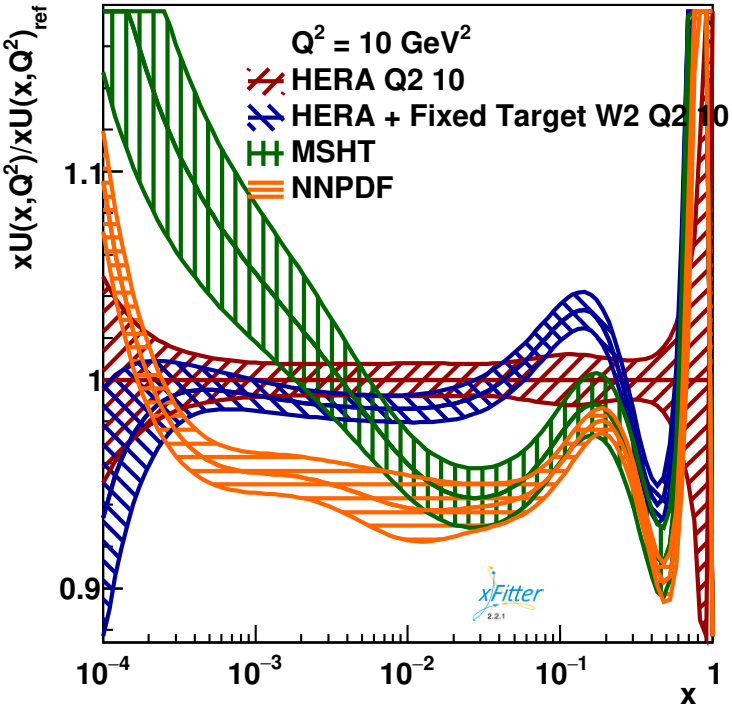

Q^2 = 10 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xs/\bar{s}(x,Q^2)/xs/\bar{s}(x,Q^2)_{ref}$
x
xFitter

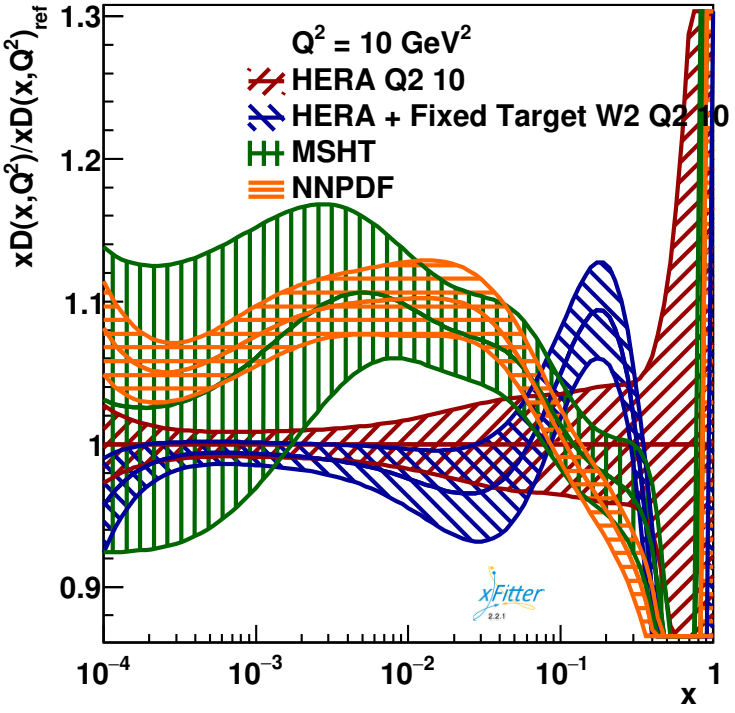

Q^2 = 10 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xc(x,Q^2)/xc(x,Q^2)_{ref}$
x
xFitter

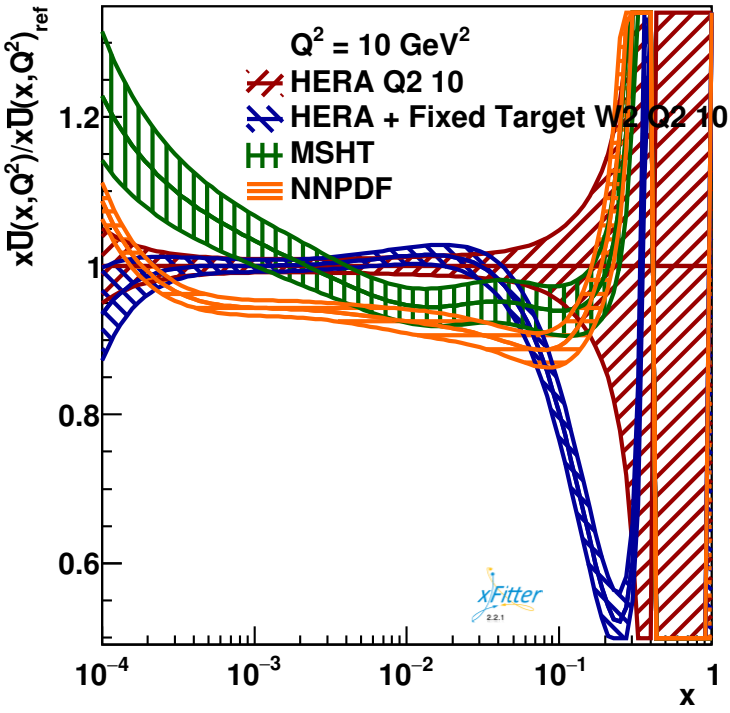

Q^2 = 10 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xb(x,Q^2)/xb(x,Q^2)_{ref}$
x
xFitter

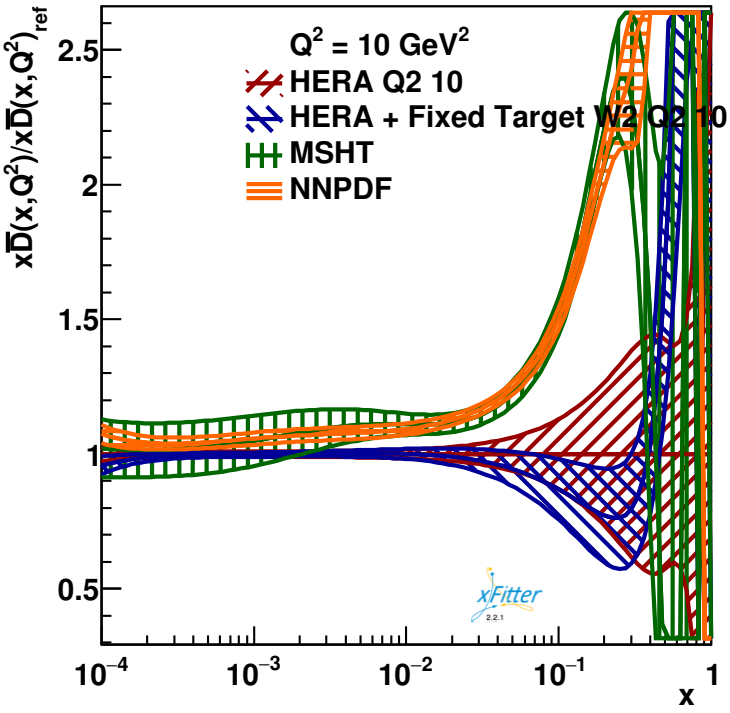

Q^2 = 10 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$x\bar{d}-\bar{u}(x,Q^2)/x\bar{d}-\bar{u}(x,Q^2)_{ref}$
x
xFitter

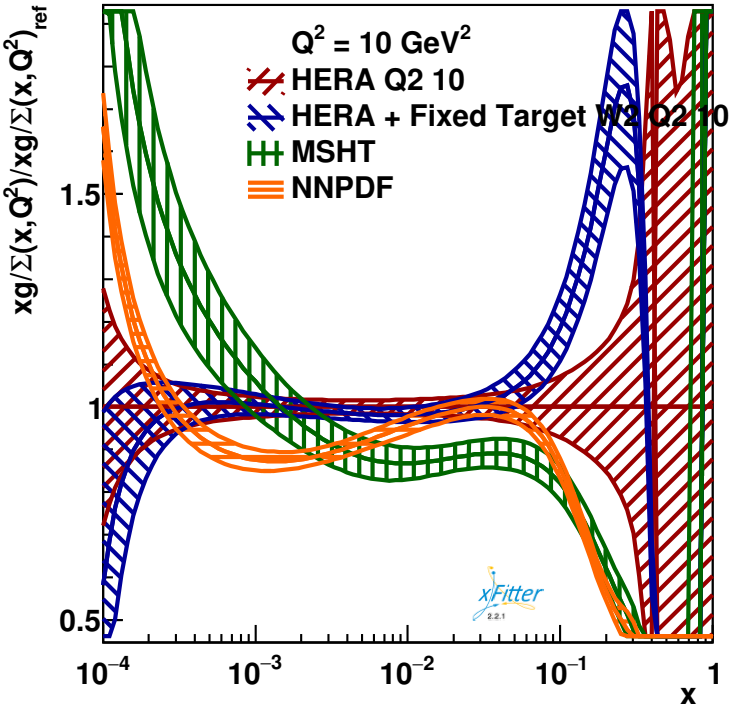

Q^2 = 10 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xd_V-u_V(x,Q^2)/xd_V-u_V(x,Q^2)_{ref}$
x
xFitter

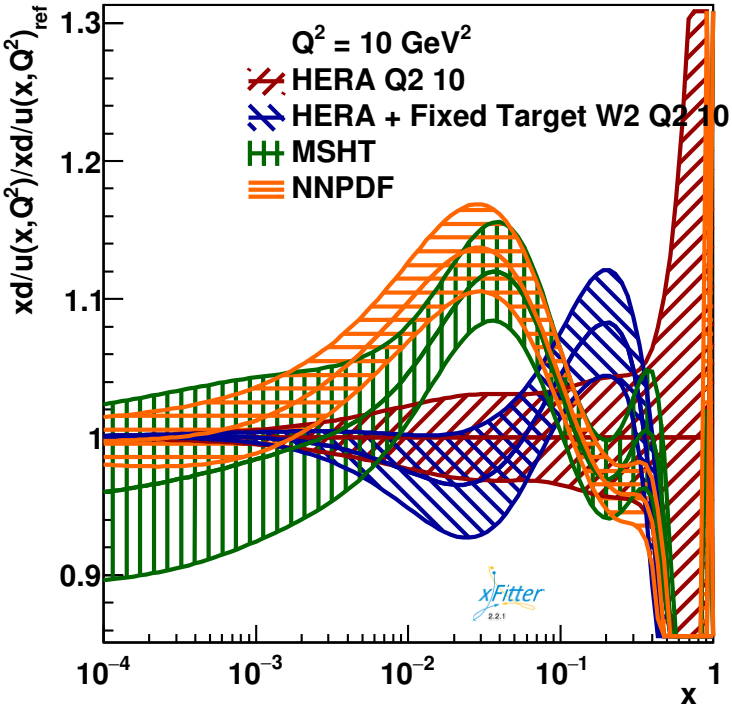

Q^2 = 10 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xU(x,Q^2)/xU(x,Q^2)_{ref}$
x
xFitter

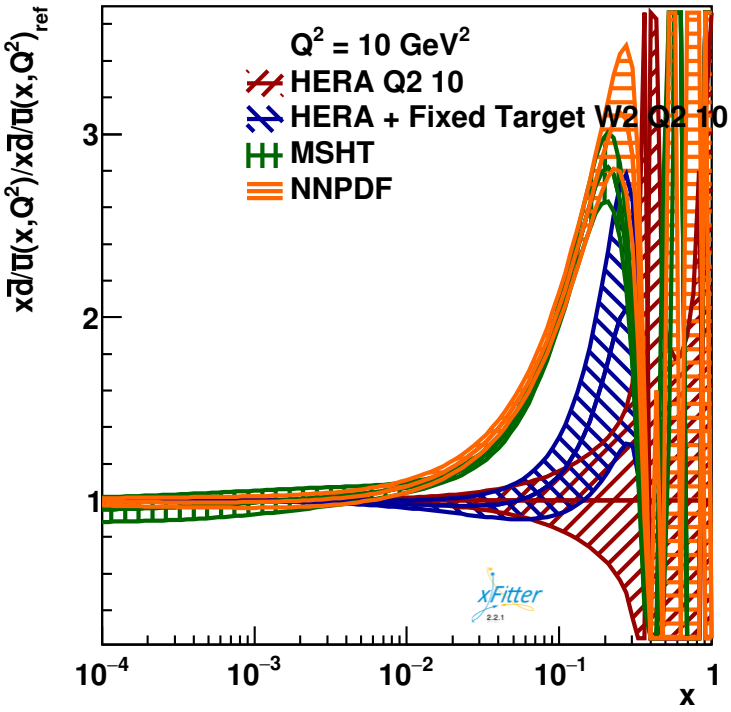

Q^2 = 10 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xD(x,Q^2)/xD(x,Q^2)_{ref}$
x
xFitter

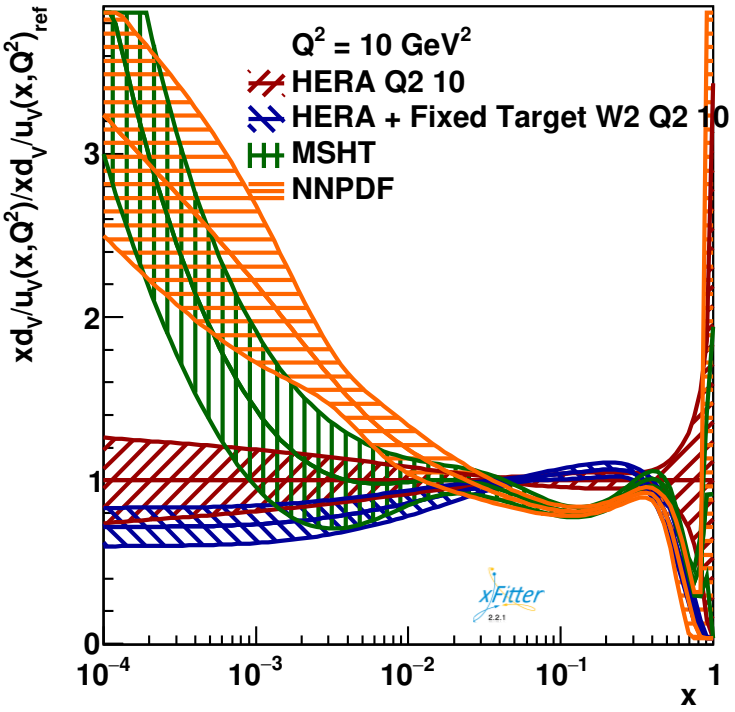

Q^2 = 10 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$x\bar{U}(x,Q^2)/x\bar{U}(x,Q^2)_{ref}$
x
xFitter

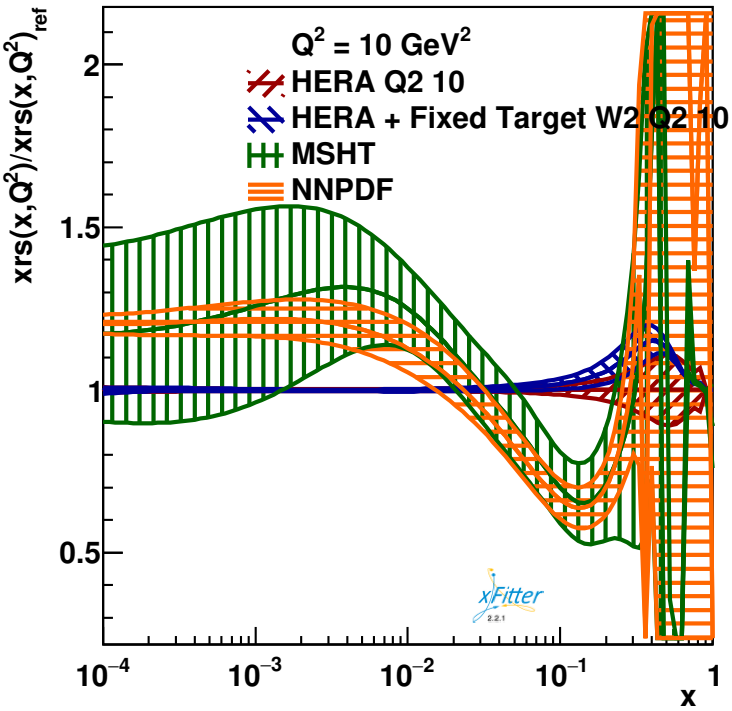

Q^2 = 10 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$x\bar{D}(x,Q^2)/x\bar{D}(x,Q^2)_{ref}$
x
xFitter

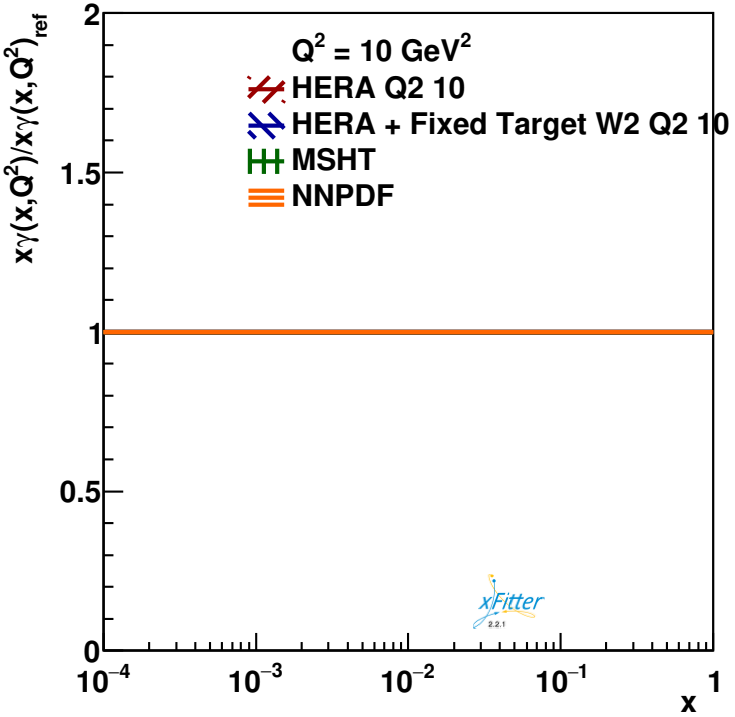

Q^2 = 10 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xg/\Sigma(x,Q^2)/xg/\Sigma(x,Q^2)_{ref}$
x
xFitter

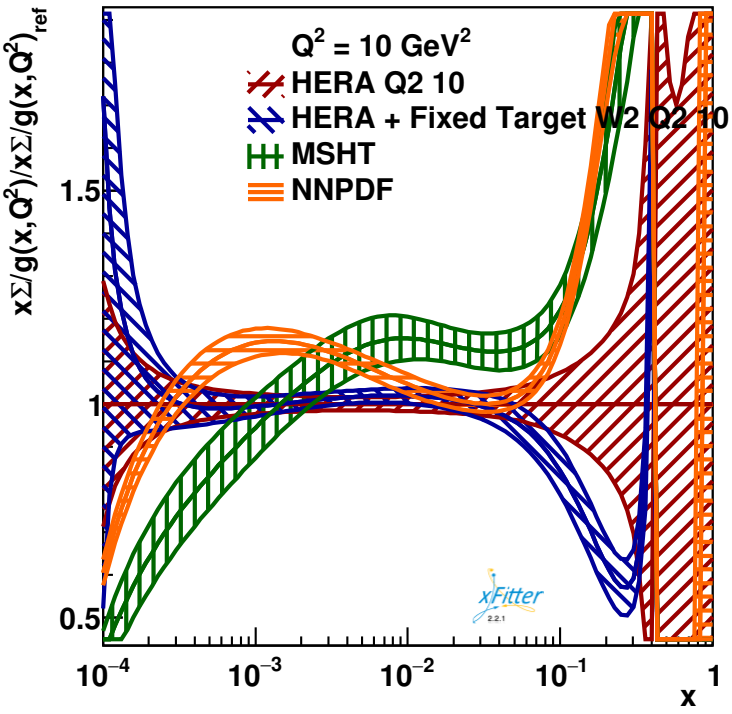

Q^2 = 10 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xd/u(x,Q^2)/xd/u(x,Q^2)_{ref}$
x
xFitter

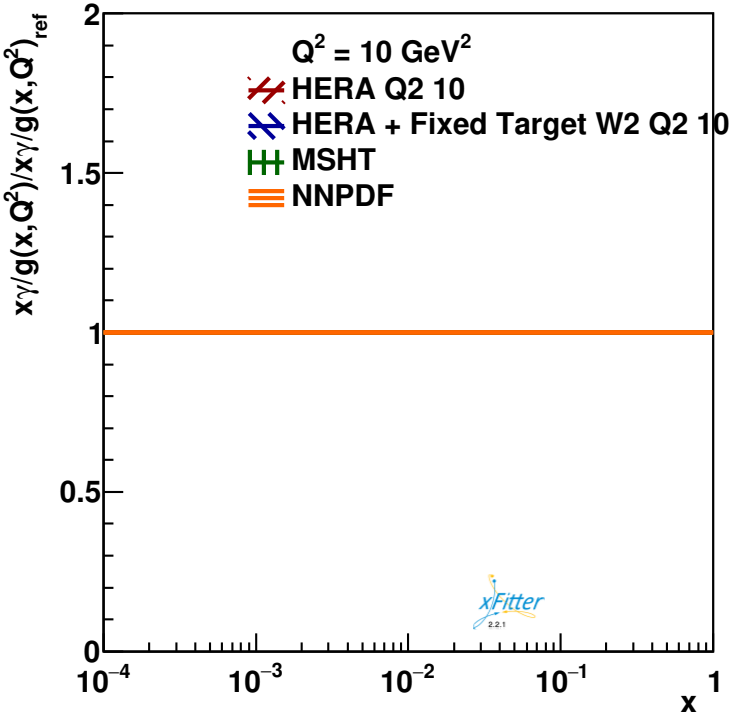

$x\bar{d}/\bar{u}(x,Q^2)/x\bar{d}/\bar{u}(x,Q^2)_{ref}$
Q^2 = 10 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter
2.2.1
x

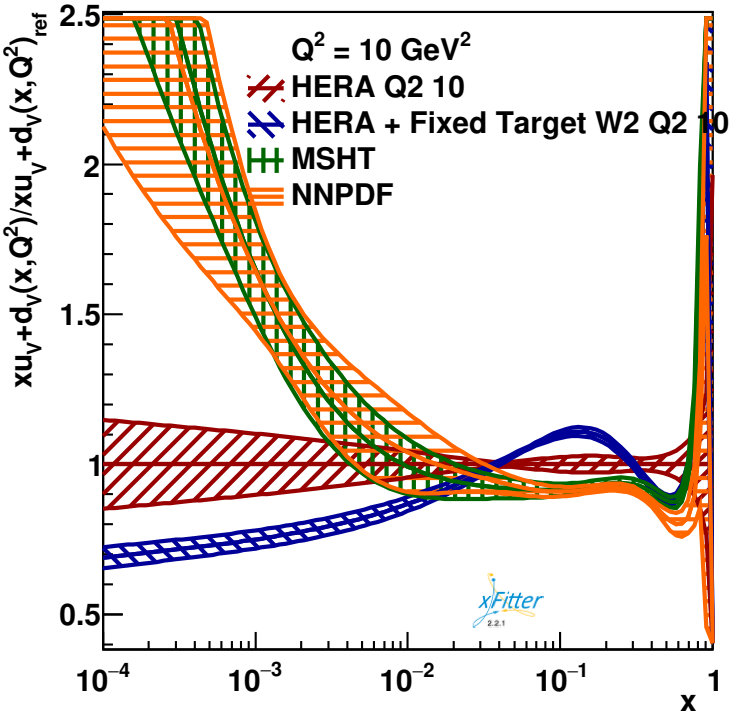

$xd_V/u_V(x,Q^2)/xd_V/u_V(x,Q^2)_{ref}$
Q^2 = 10 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter
2.2.1
x

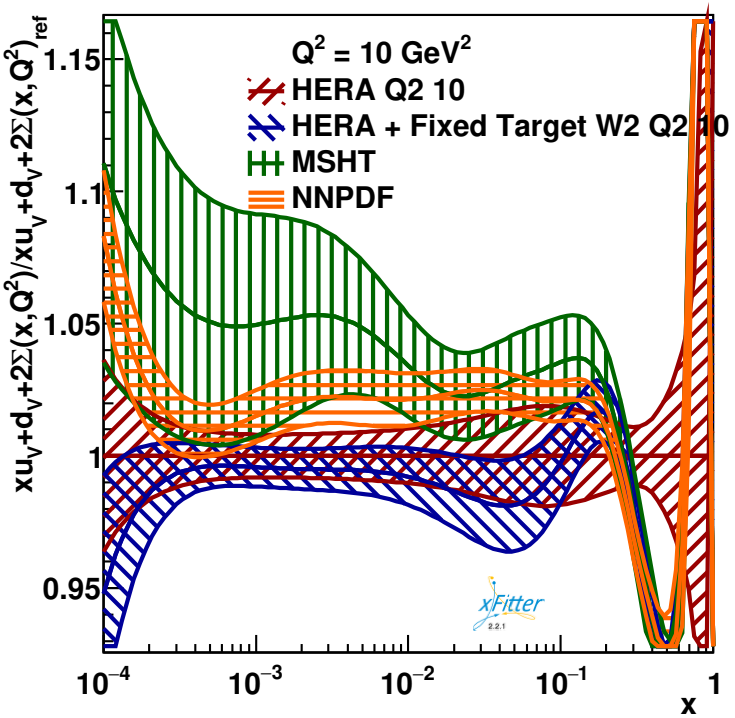

$xrs(x,Q^2)/xrs(x,Q^2)_{ref}$
Q^2 = 10 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter
2.2.1
x

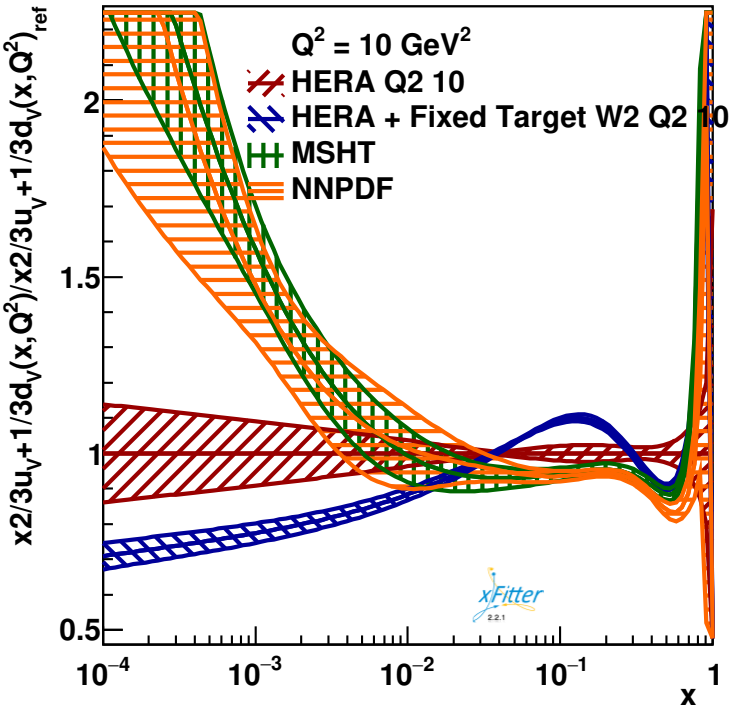

$x\gamma(x,Q^2)/x\gamma(x,Q^2)_{ref}$
Q^2 = 10 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter
2.2.1
x

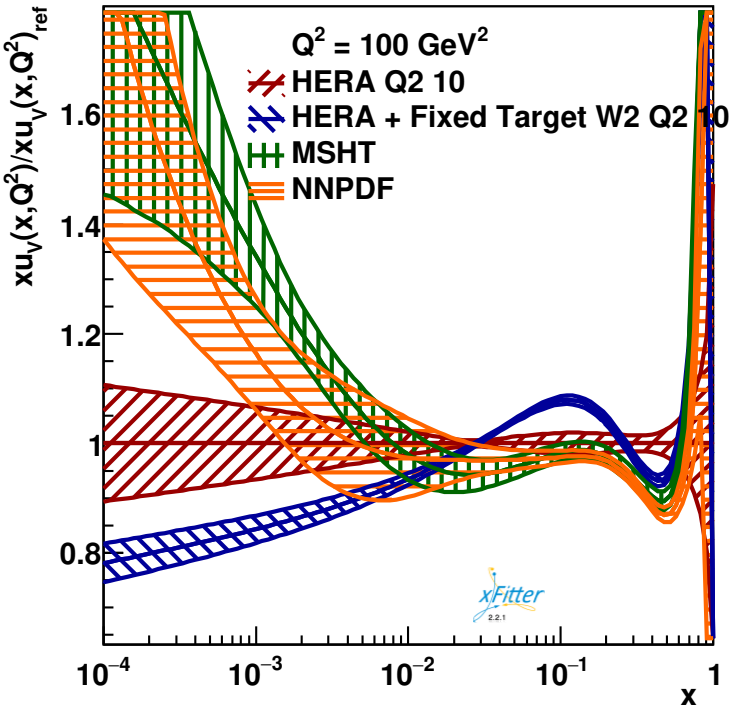

Q^2 = 10 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$x\Sigma/g(x,Q^2)/x\Sigma/g(x,Q^2)_{ref}$
x
xFitter

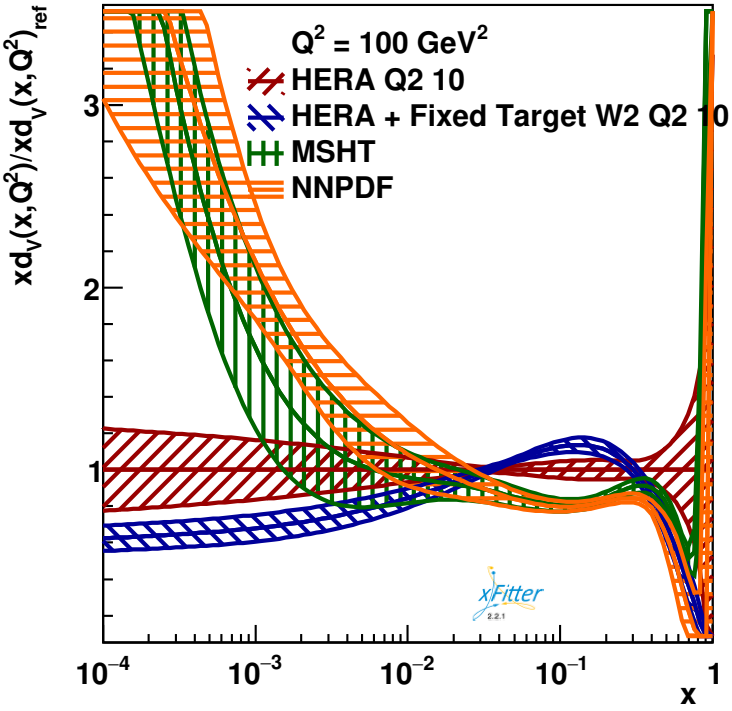

Q^2 = 10 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$x\gamma/g(x,Q^2)/x\gamma/g(x,Q^2)_{ref}$
x
xFitter

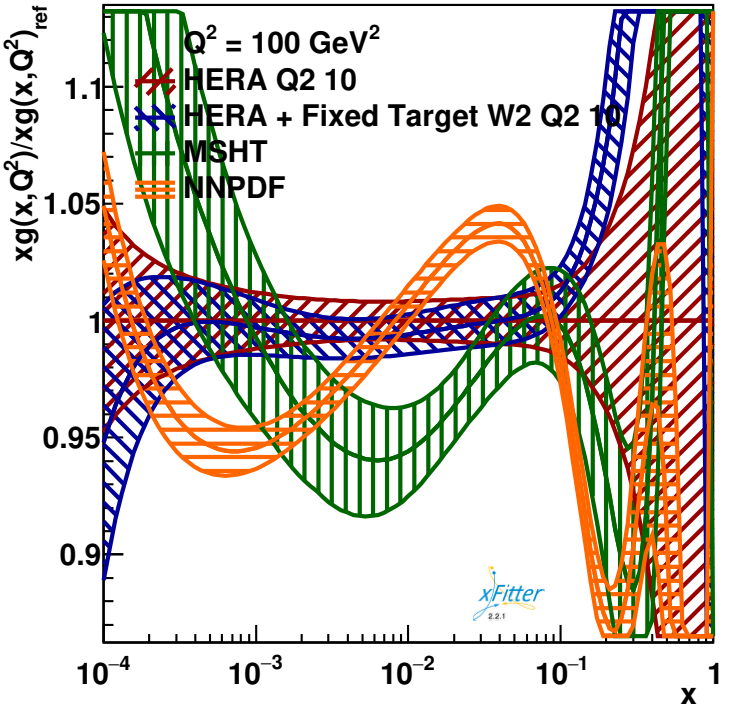

Q^2 = 10 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xu_V+d_V(x,Q^2)/xu_V+d_V(x,Q^2)_{ref}$
x
xFitter

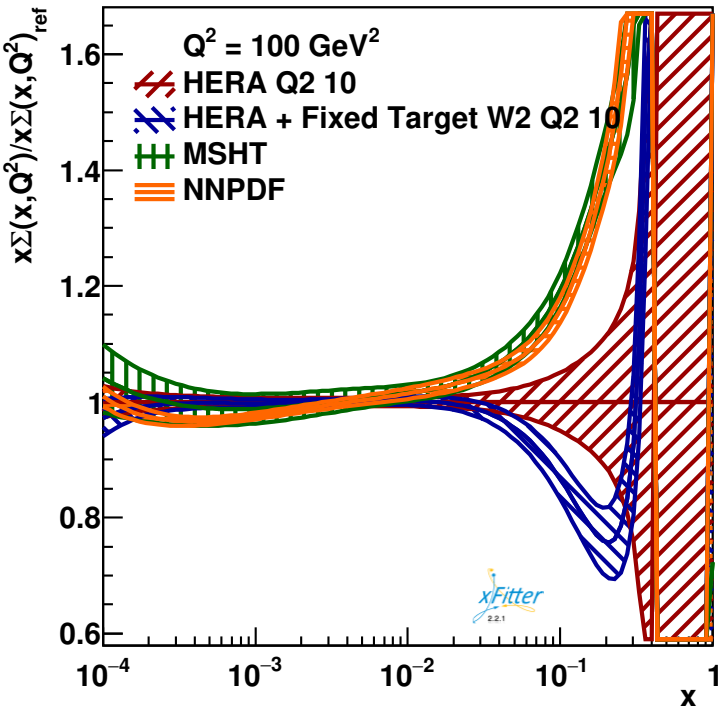

Q^2 = 10 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xu_V+d_V+2\Sigma(x,Q^2)/xu_V+d_V+2\Sigma(x,Q^2)_{ref}$
x
xFitter

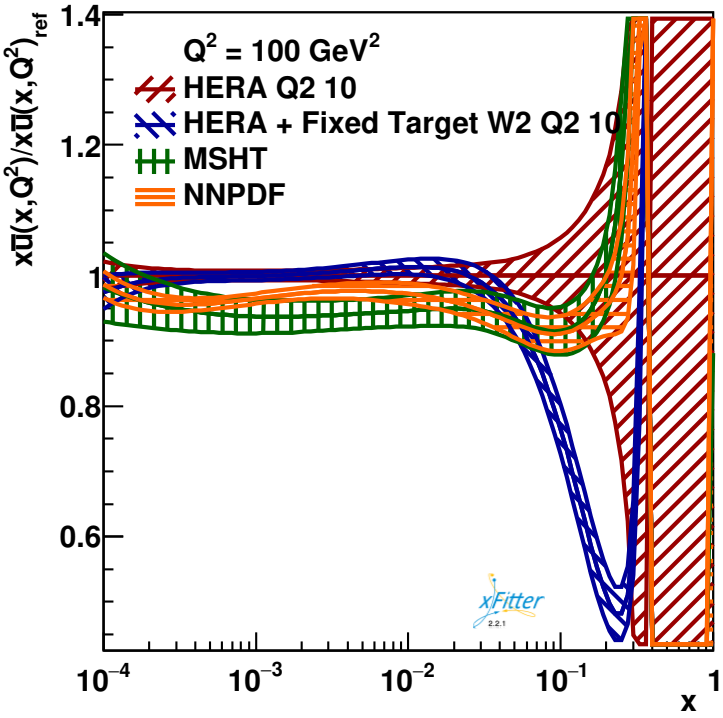

Q^2 = 10 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$x2/3u_V+1/3d_V(x,Q^2)/x2/3u_V+1/3d_V(x,Q^2)_{ref}$
x
xFitter

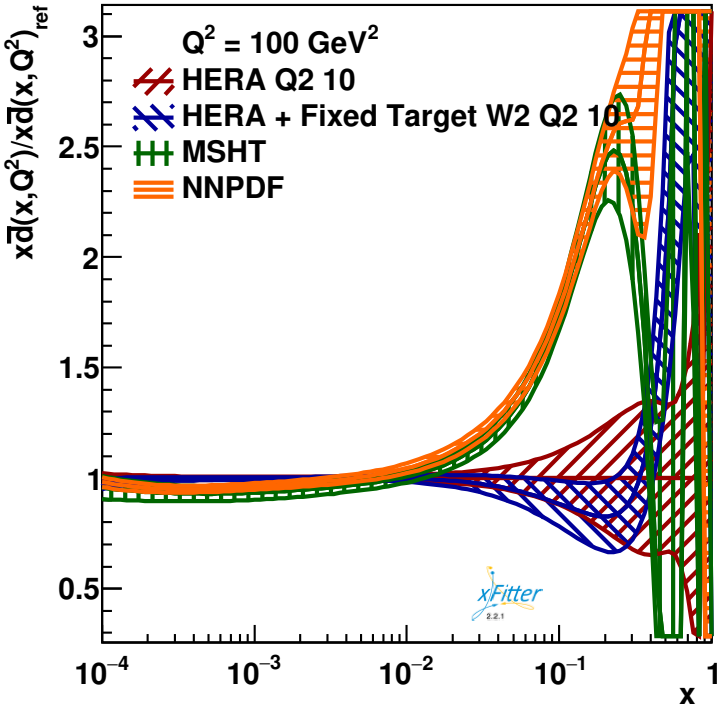

Q^2 = 100 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xu_V(x,Q^2)/xu_V(x,Q^2)_{ref}$
x
xFitter

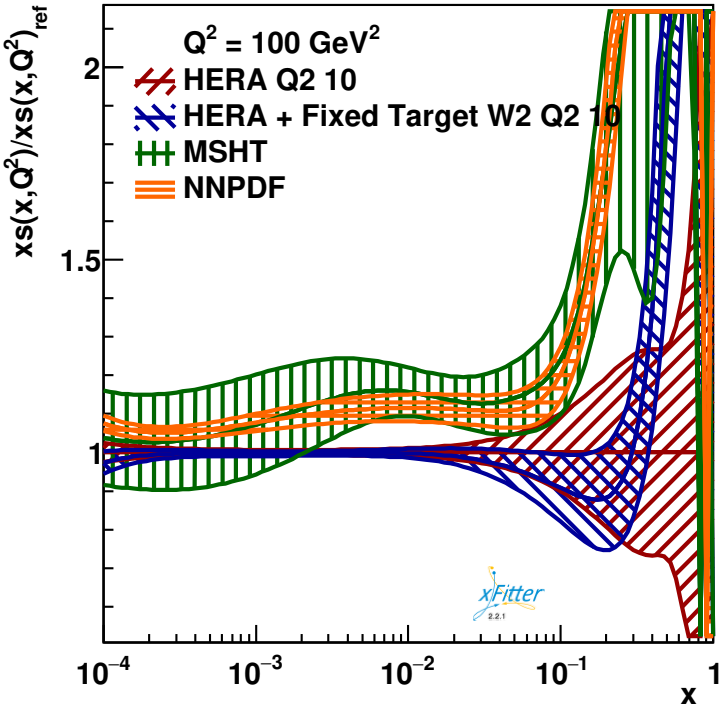

Q^2 = 100 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xd_V(x,Q^2)/xd_V(x,Q^2)_{ref}$
x
xFitter

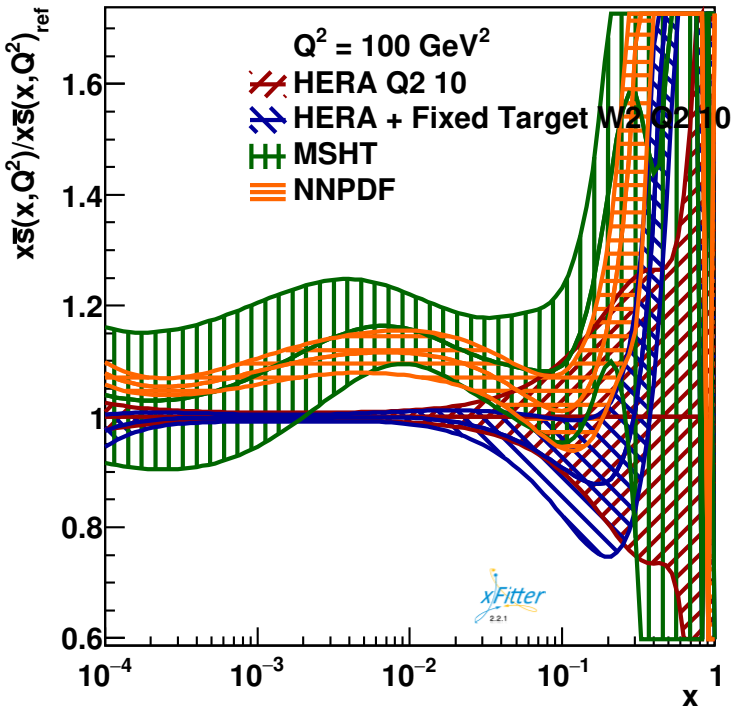

Q^2 = 100 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xg(x,Q^2)/xg(x,Q^2)_{ref}$
x
xFitter

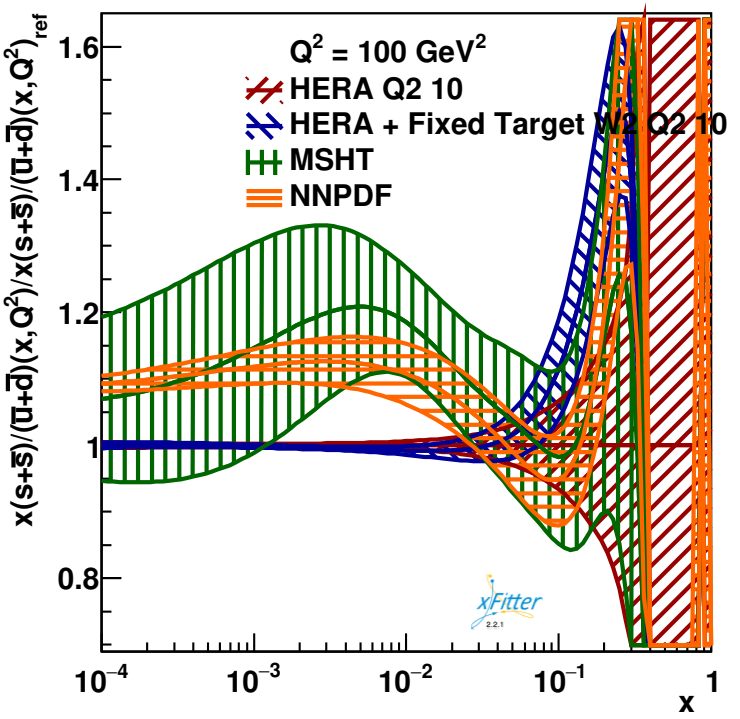

Q^2 = 100 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$x\Sigma(x,Q^2)/x\Sigma(x,Q^2)_{ref}$
x
xFitter

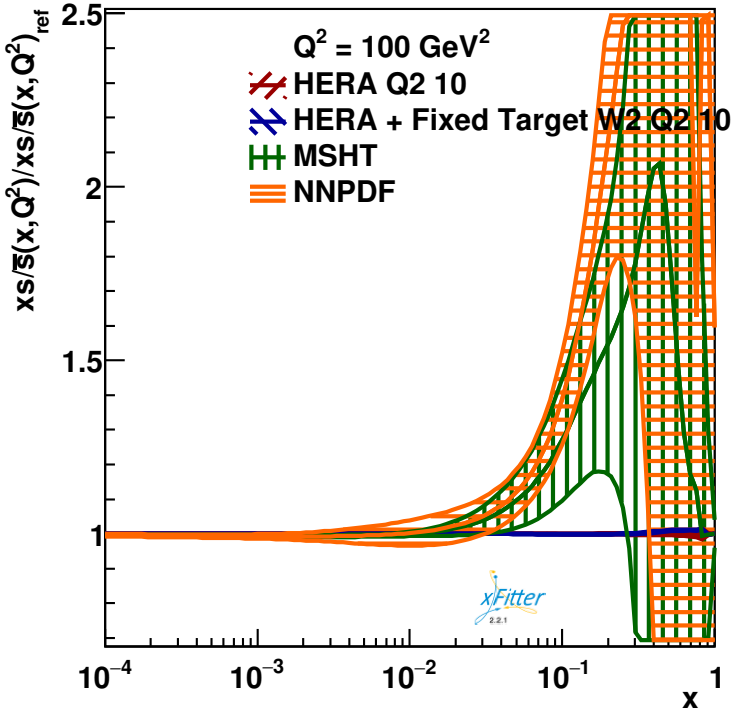

Q^2 = 100 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$x\bar{U}(x,Q^2)/x\bar{U}(x,Q^2)_{ref}$
x
xFitter

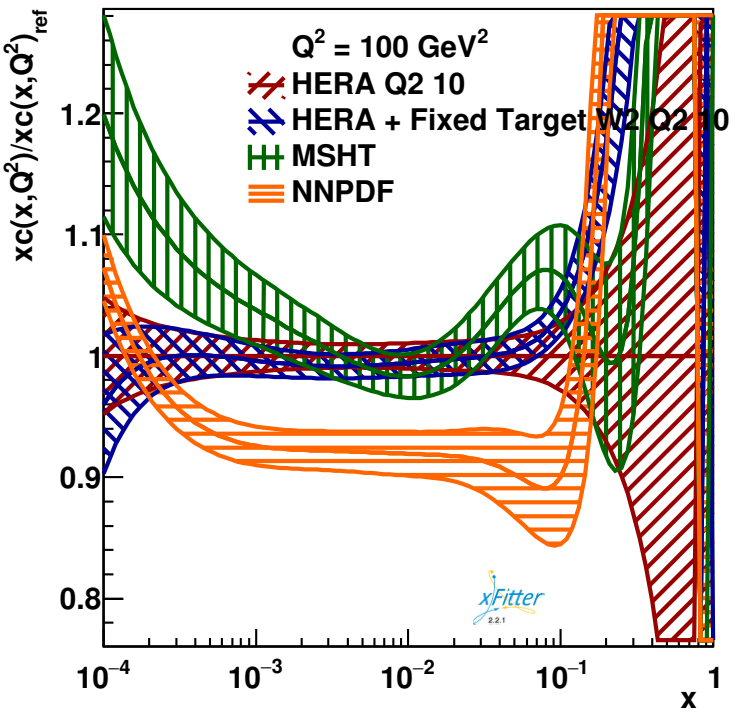

Q^2 = 100 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$x\bar{d}(x,Q^2)/x\bar{d}(x,Q^2)_{ref}$
x
xFitter

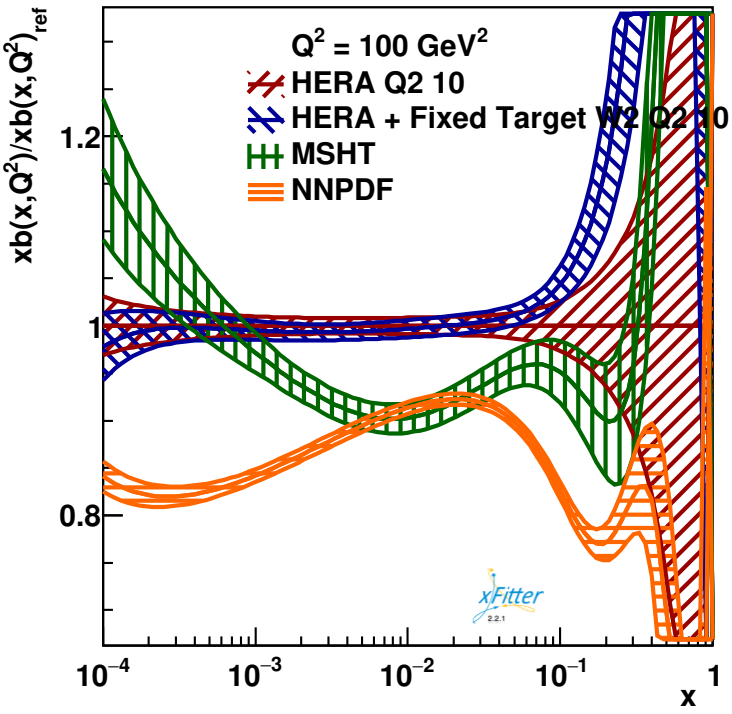

Q^2 = 100 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xs(x,Q^2)/xs(x,Q^2)_{ref}$
x
xFitter

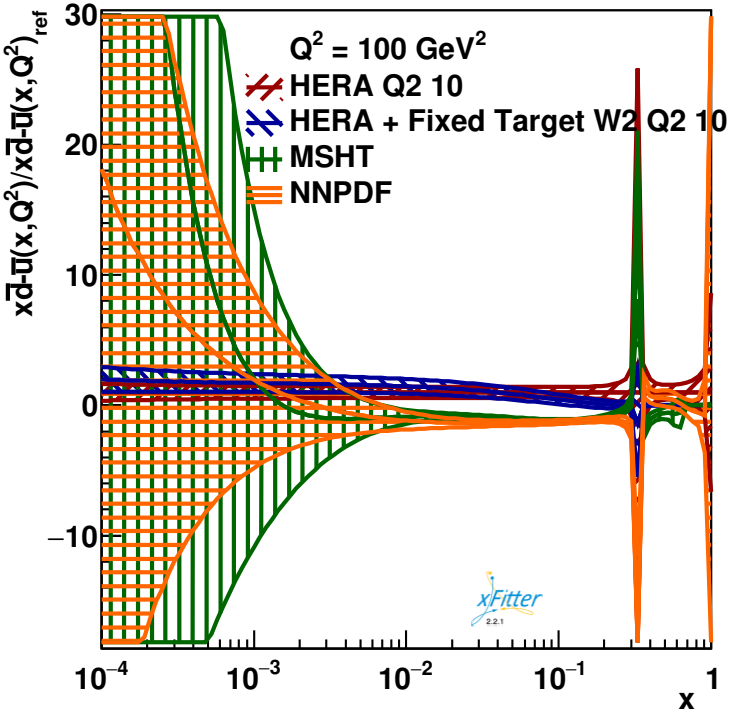

Q^2 = 100 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$x\bar{S}(x,Q^2)/x\bar{S}(x,Q^2)_{ref}$
x
xFitter

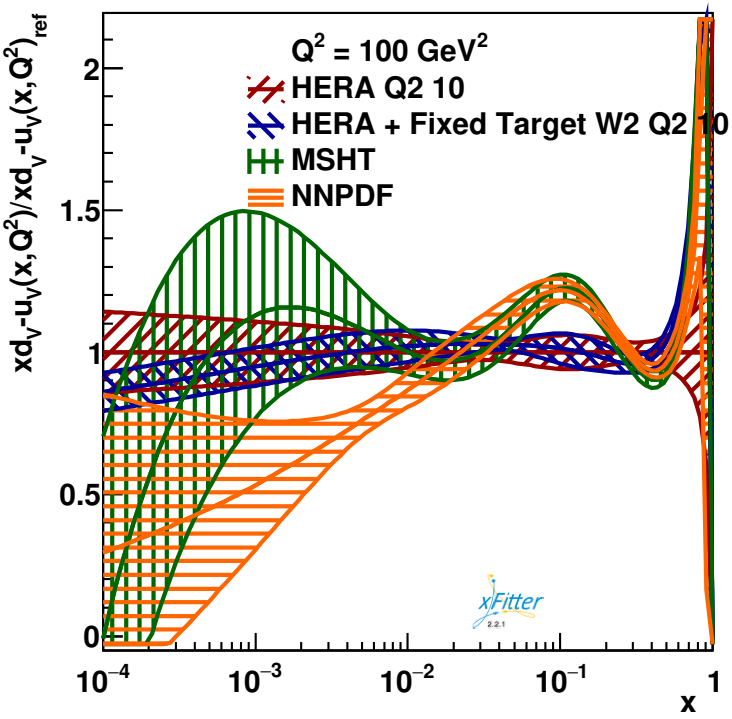

Q^2 = 100 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$x(s+\bar{s})/(\bar{u}+\bar{d})(x,Q^2)/x(s+\bar{s})/(\bar{u}+\bar{d})(x,Q^2)_{ref}$
x
xFitter

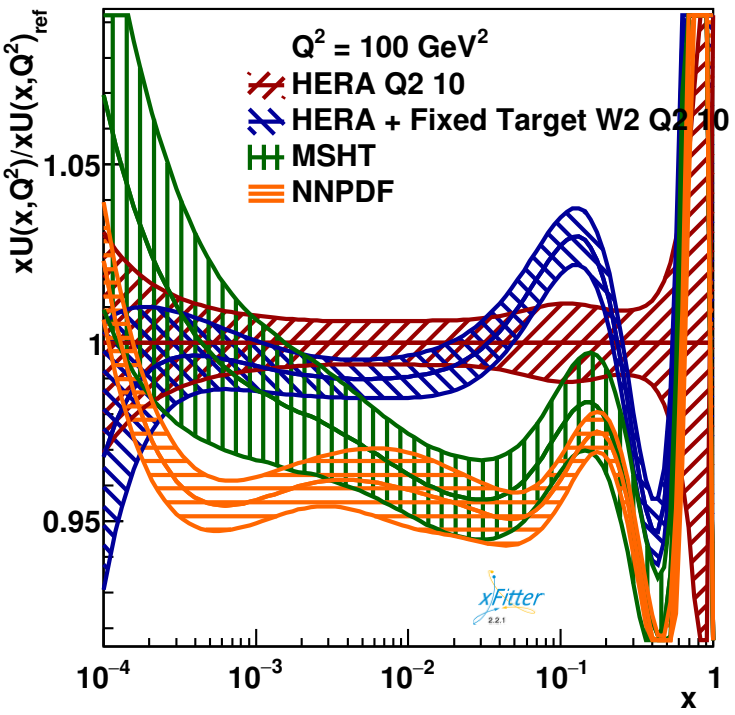

Q^2 = 100 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xs/\bar{s}(x,Q^2)/xs/\bar{s}(x,Q^2)_{ref}$
x
xFitter

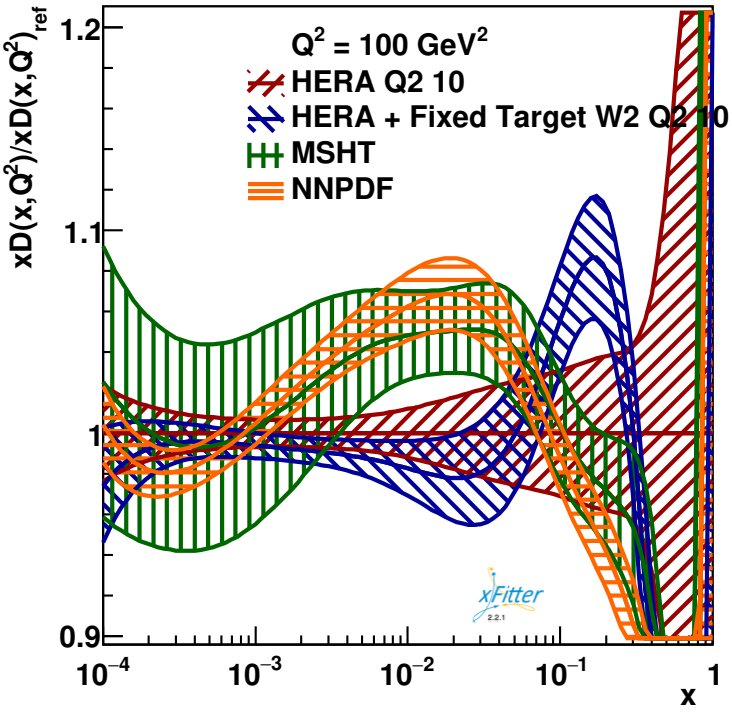

Q^2 = 100 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xc(x,Q^2)/xc(x,Q^2)_{ref}$
x
xFitter

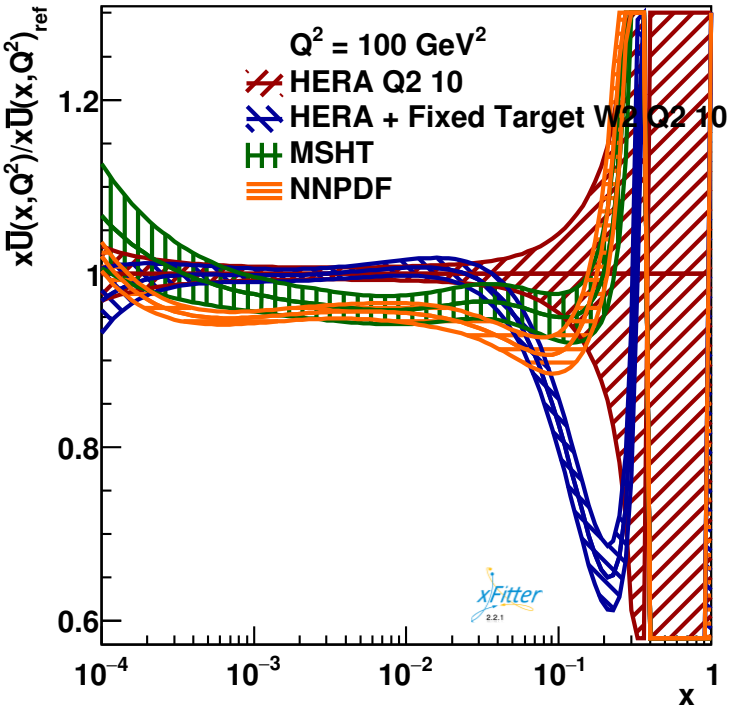

Q^2 = 100 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xb(x,Q^2)/xb(x,Q^2)_{ref}$
x
xFitter

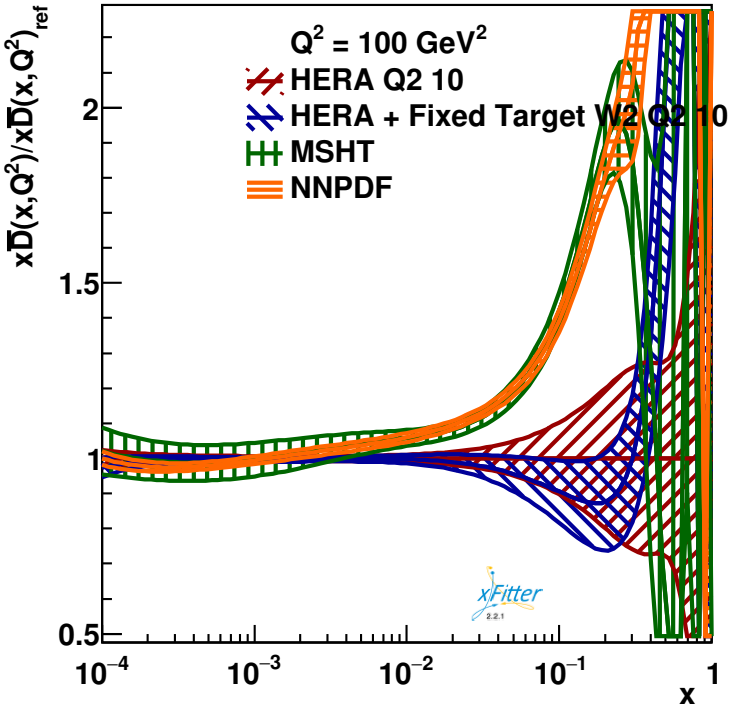

Q^2 = 100 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$x\bar{d}-\bar{u}(x,Q^2)/x\bar{d}-\bar{u}(x,Q^2)_{ref}$
x
xFitter

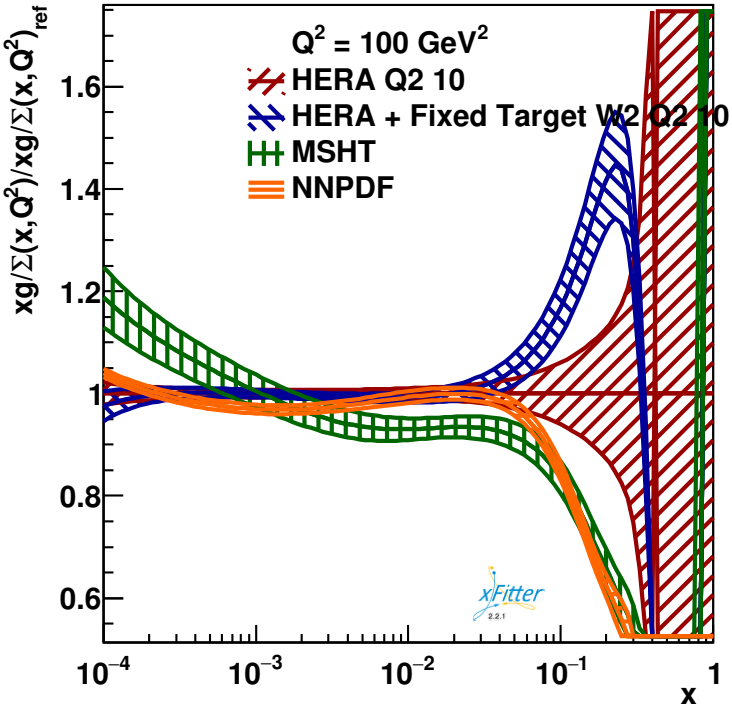

Q^2 = 100 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xd_V-u_V(x,Q^2)/xd_V-u_V(x,Q^2)_{ref}$
x
xFitter

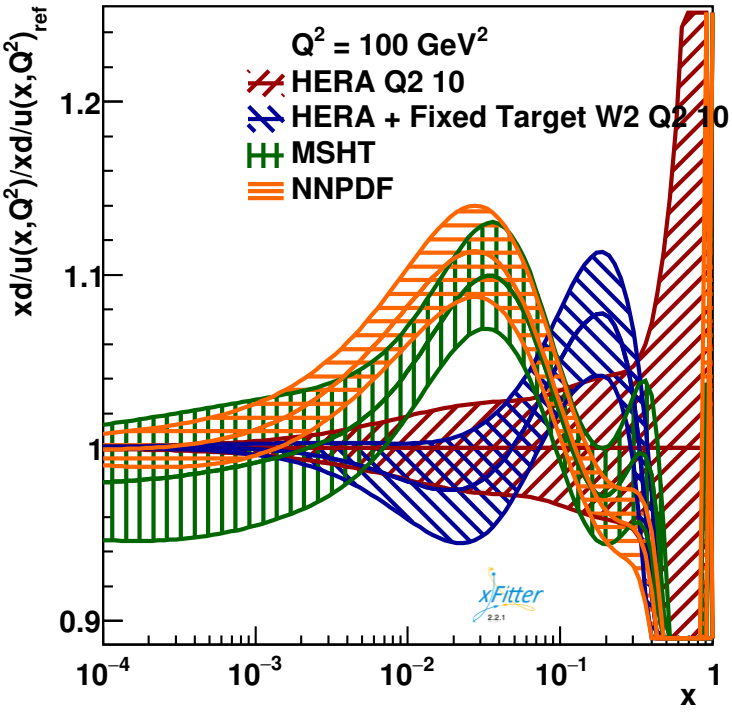

Q^2 = 100 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xU(x,Q^2)/xU(x,Q^2)_{ref}$
x
xFitter

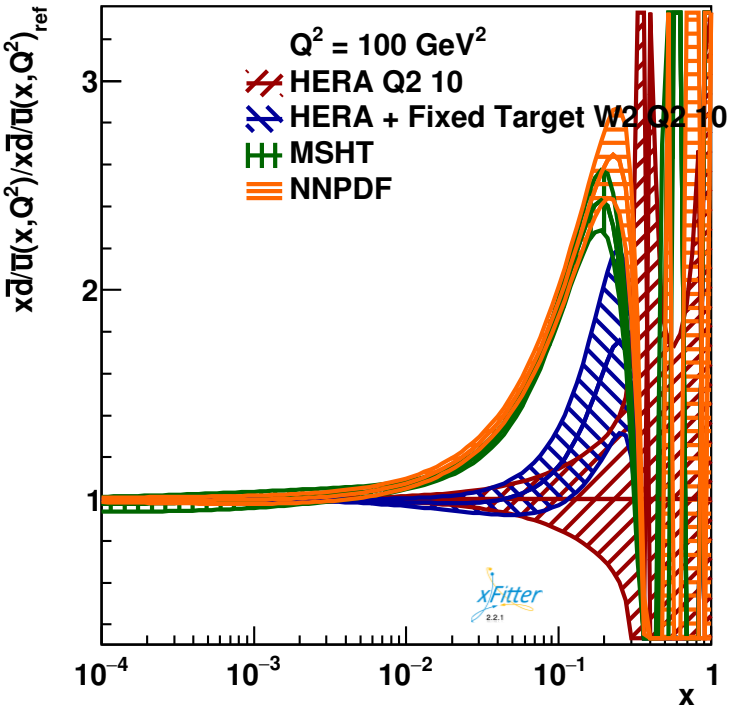

Q^2 = 100 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xD(x,Q^2)/xD(x,Q^2)_{ref}$
x
xFitter

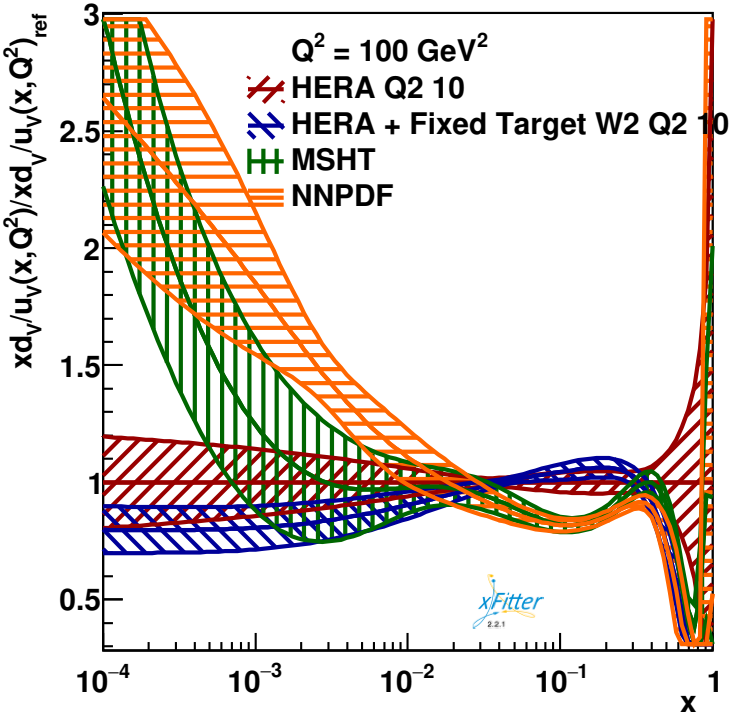

Q^2 = 100 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$x\bar{U}(x,Q^2)/x\bar{U}(x,Q^2)_{ref}$
x
xFitter

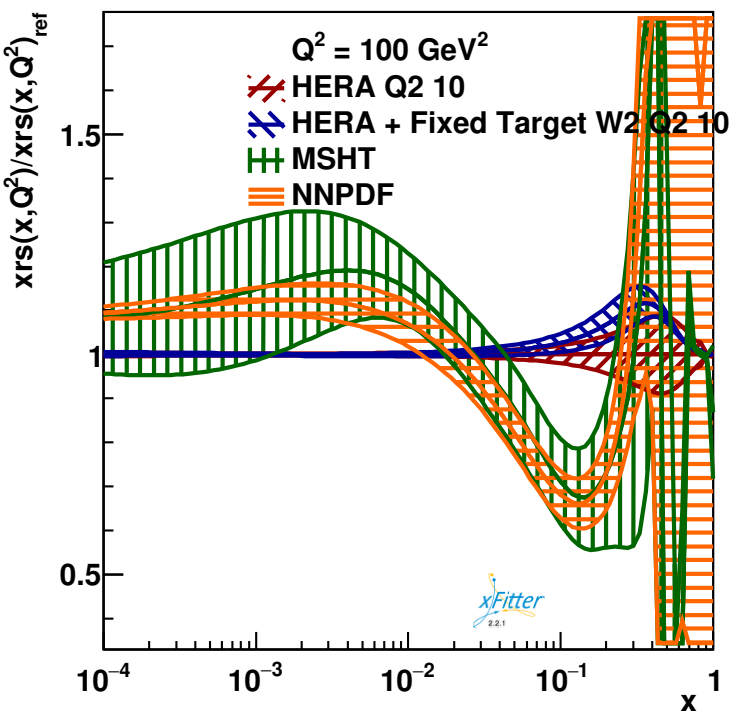

Q^2 = 100 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$x\bar{D}(x,Q^2)/x\bar{D}(x,Q^2)_{ref}$
x
xFitter

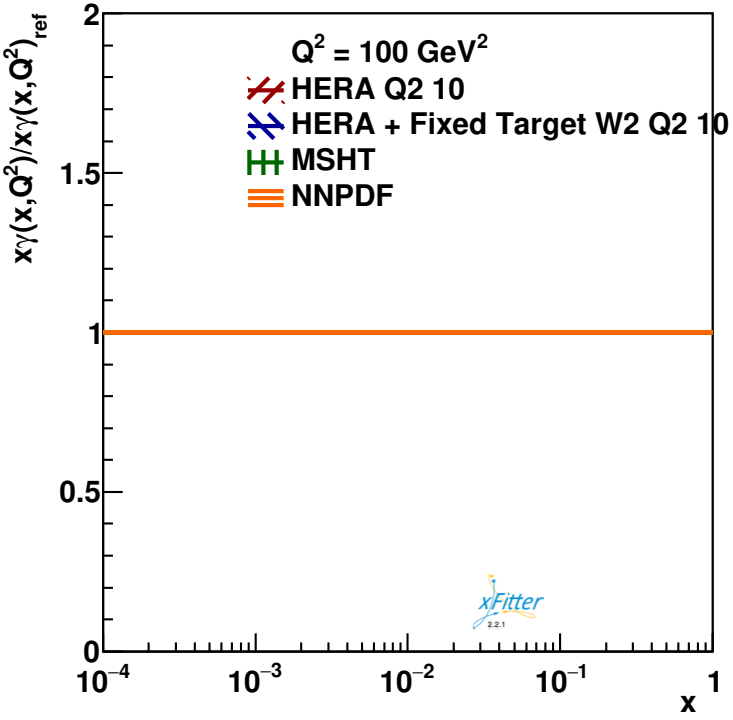

Q^2 = 100 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xg/\Sigma(x,Q^2)/xg/\Sigma(x,Q^2)_{ref}$
x
xFitter

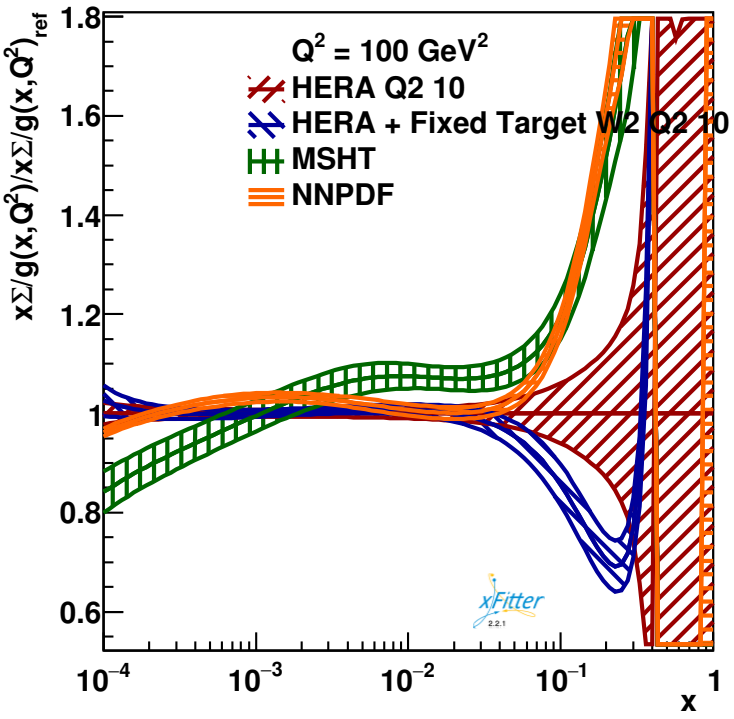

Q^2 = 100 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xd/u(x,Q^2)/xd/u(x,Q^2)_{ref}$
x
xFitter 2.2.1

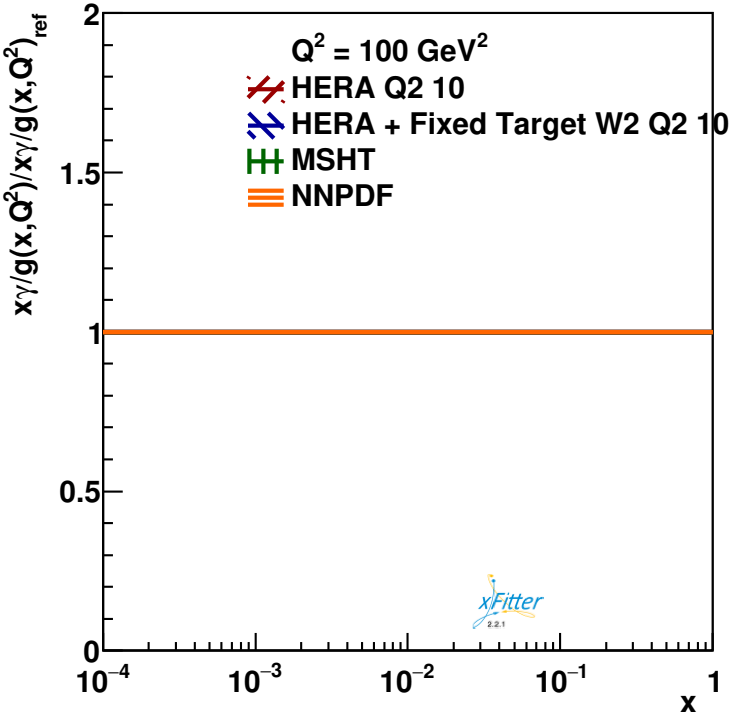

Q^2 = 100 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$x\bar{d}/\bar{u}(x,Q^2)/x\bar{d}/\bar{u}(x,Q^2)_{ref}$
x
xFitter 2.2.1

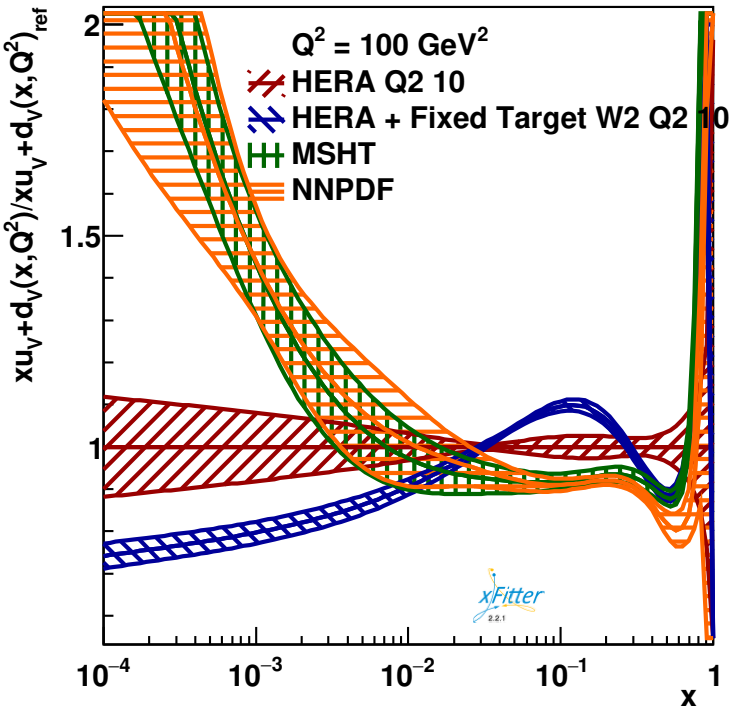

Q^2 = 100 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xd_V/u_V(x,Q^2)/xd_V/u_V(x,Q^2)_{ref}$
x
xFitter 2.2.1

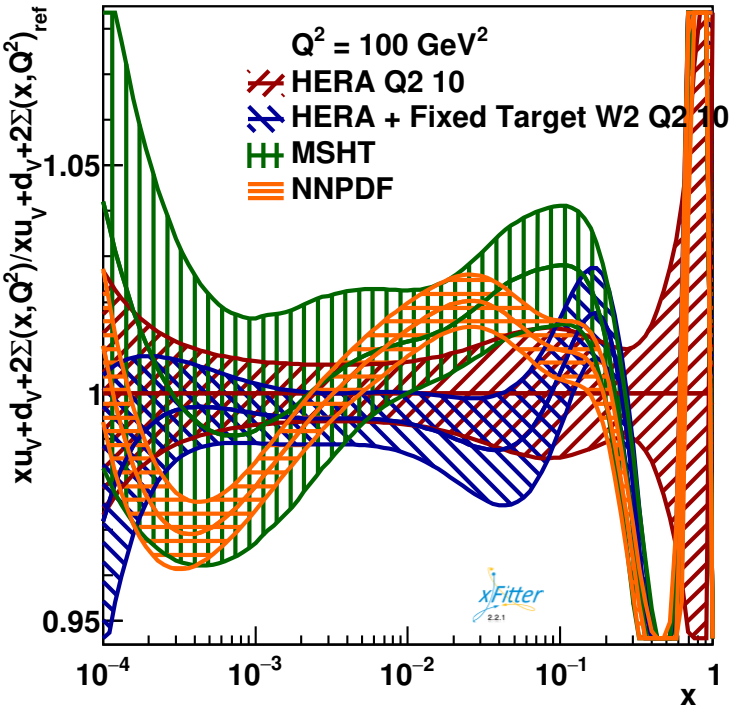

Q^2 = 100 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xrs(x,Q^2)/xrs(x,Q^2)_{ref}$
x
xFitter 2.2.1

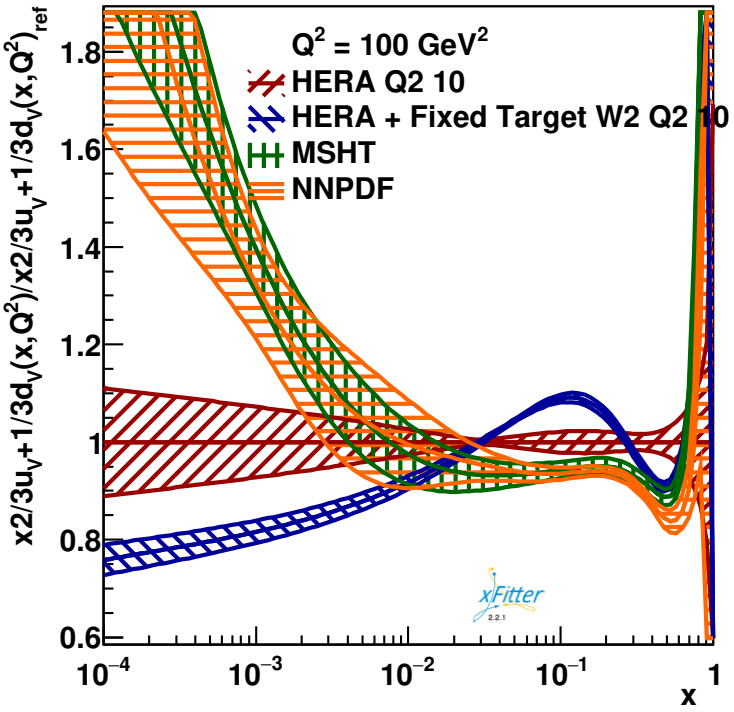

Q^2 = 100 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$x\gamma(x,Q^2)/x\gamma(x,Q^2)_{ref}$
x
xFitter

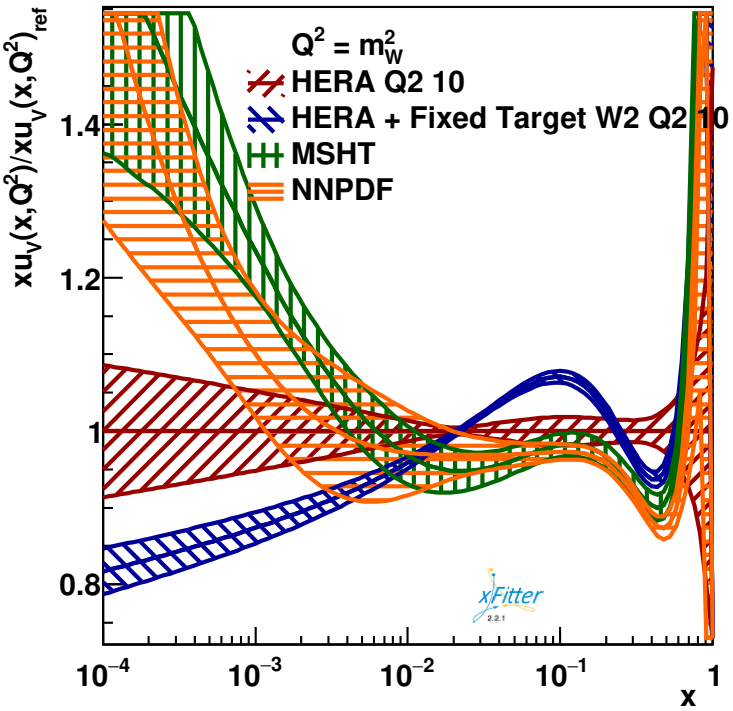

Q^2 = 100 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$x\Sigma/g(x,Q^2)/x\Sigma/g(x,Q^2)_{ref}$
x
xFitter

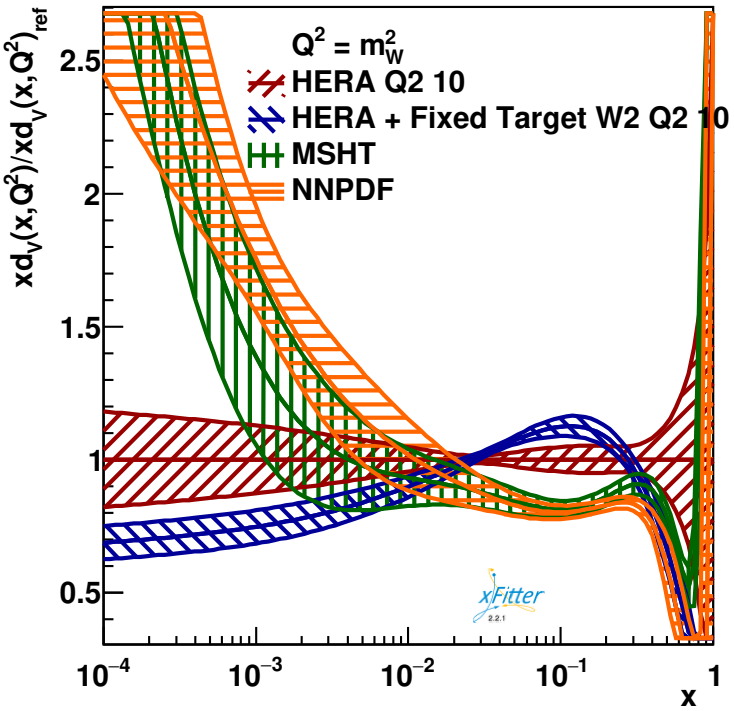

Q^2 = 100 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$x\gamma/g(x,Q^2)/x\gamma/g(x,Q^2)_{ref}$
x
xFitter

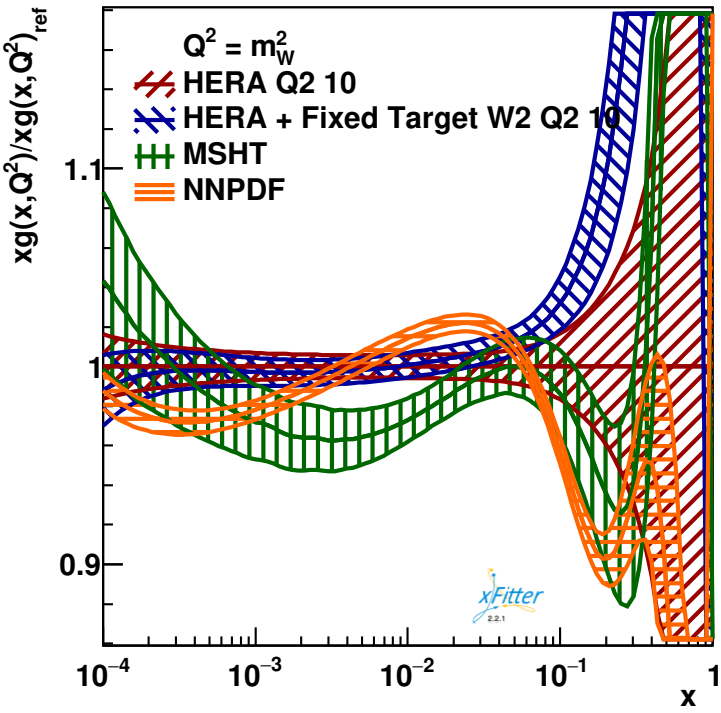

Q^2 = 100 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xu_V+d_V(x,Q^2)/xu_V+d_V(x,Q^2)_{ref}$
x
xFitter

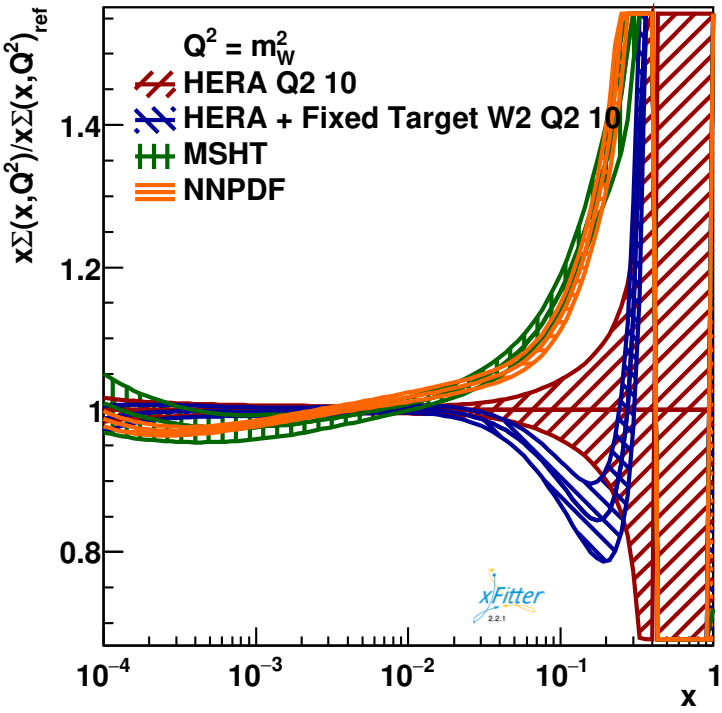

Q^2 = 100 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xu_V+d_V+2\Sigma(x,Q^2)/xu_V+d_V+2\Sigma(x,Q^2)_{ref}$
x
xFitter

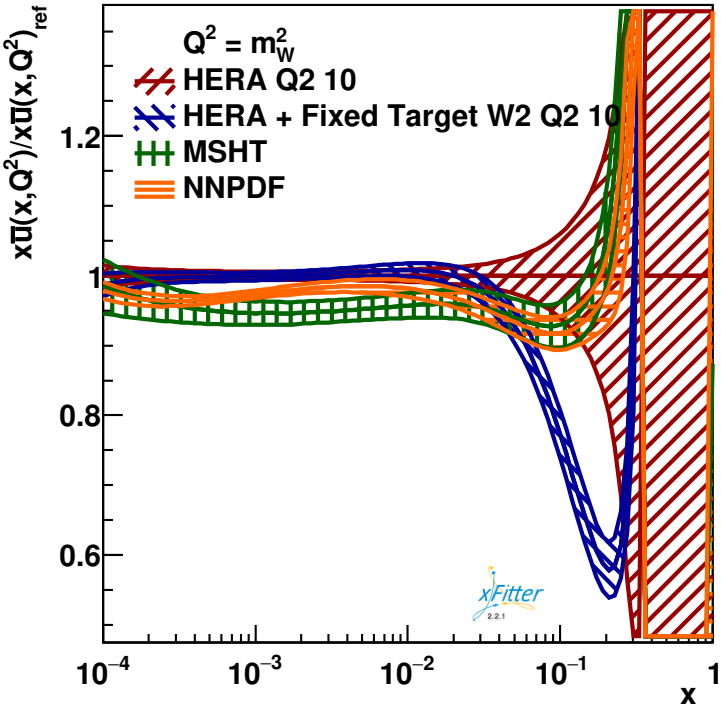

Q^2 = 100 GeV^2
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$x2/3u_V+1/3d_V(x,Q^2)/x2/3u_V+1/3d_V(x,Q^2)_{ref}$
x
xFitter

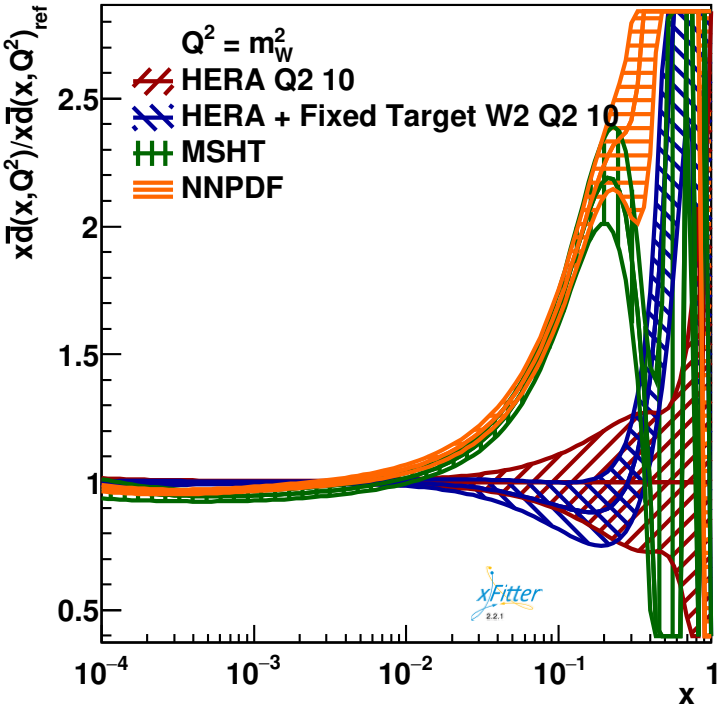

$Q^2 = m_W^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xu_V(x,Q^2)/xu_V(x,Q^2)_{ref}$
x
xFitter

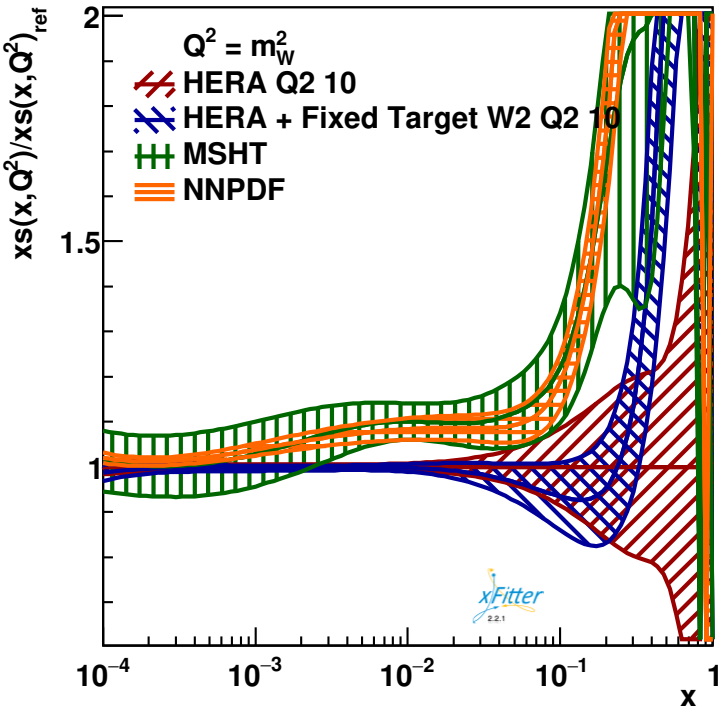

$Q^2 = m_W^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xd_V(x,Q^2)/xd_V(x,Q^2)_{ref}$
x
xFitter

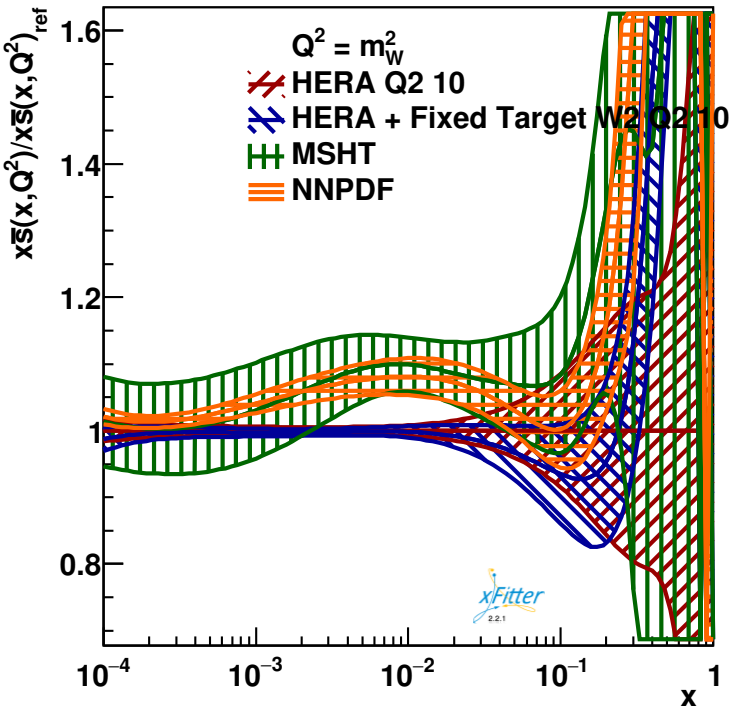

$Q^2 = m_W^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xg(x,Q^2)/xg(x,Q^2)_{ref}$
1.1
1
0.9
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x
xFitter
2.2.1

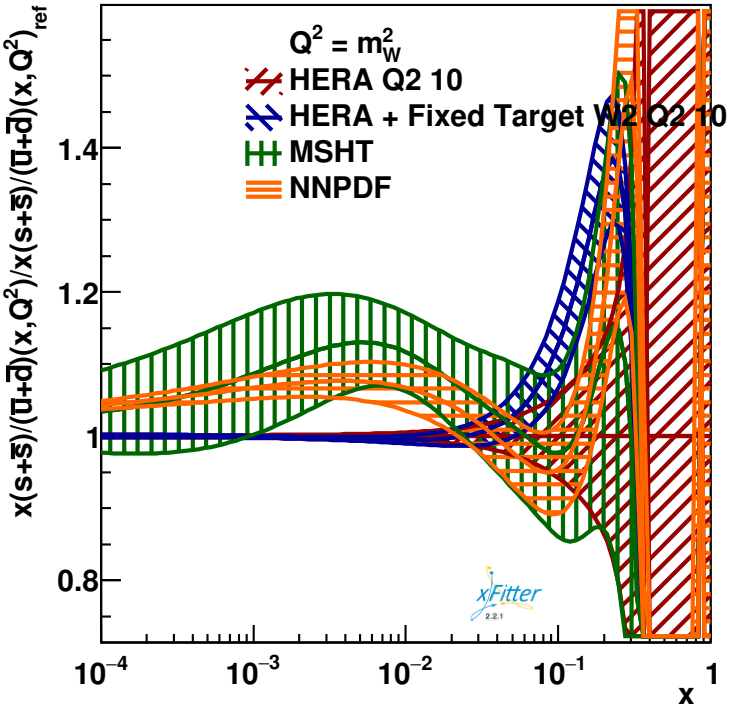

$Q^2 = m_W^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$x\Sigma(x,Q^2)/x\Sigma(x,Q^2)_{ref}$
1.4
1.2
1
0.8
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x
xFitter
2.2.1

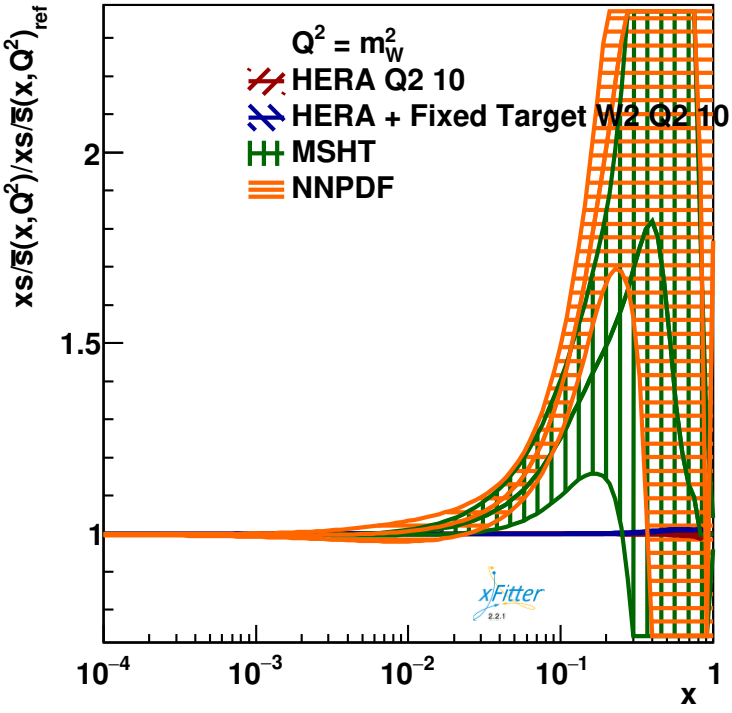

$Q^2 = m_W^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$x\bar{u}(x,Q^2)/x\bar{u}(x,Q^2)_{ref}$
1.2
1
0.8
0.6
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x
xFitter
2.2.1

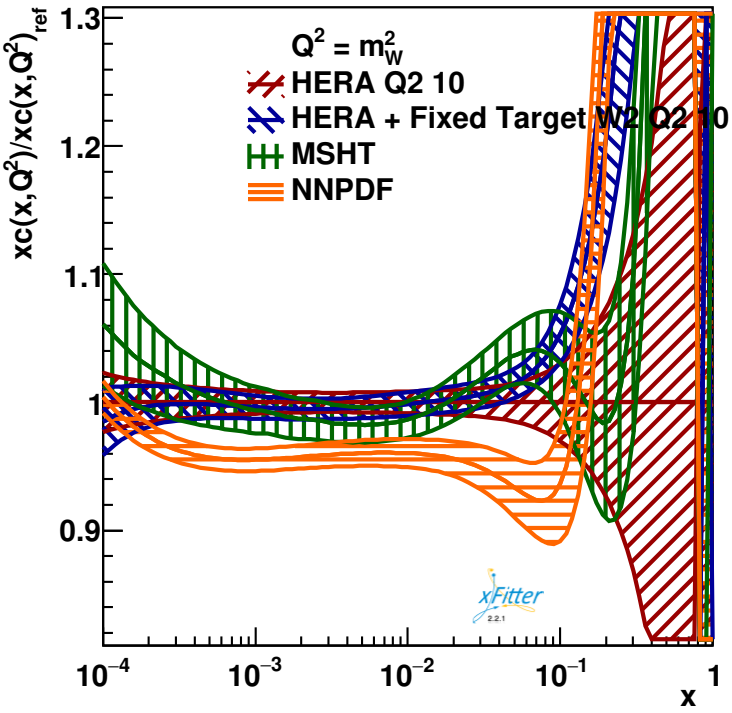

$Q^2 = m_W^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$x\bar{d}(x,Q^2)/x\bar{d}(x,Q^2)_{ref}$
2.5
2
1.5
1
0.5
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x
xFitter
2.2.1

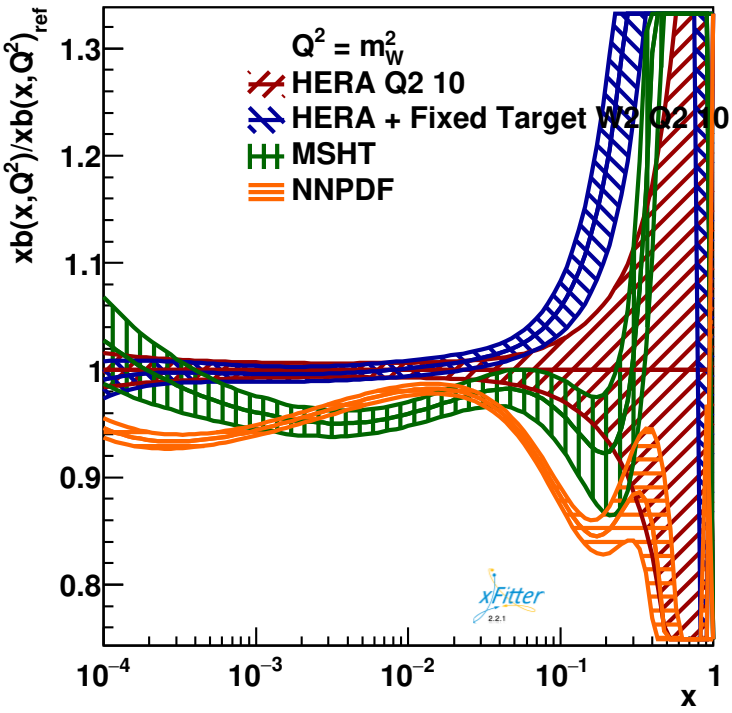

$Q^2 = m_W^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xs(x,Q^2)/xs(x,Q^2)_{ref}$
x
xFitter

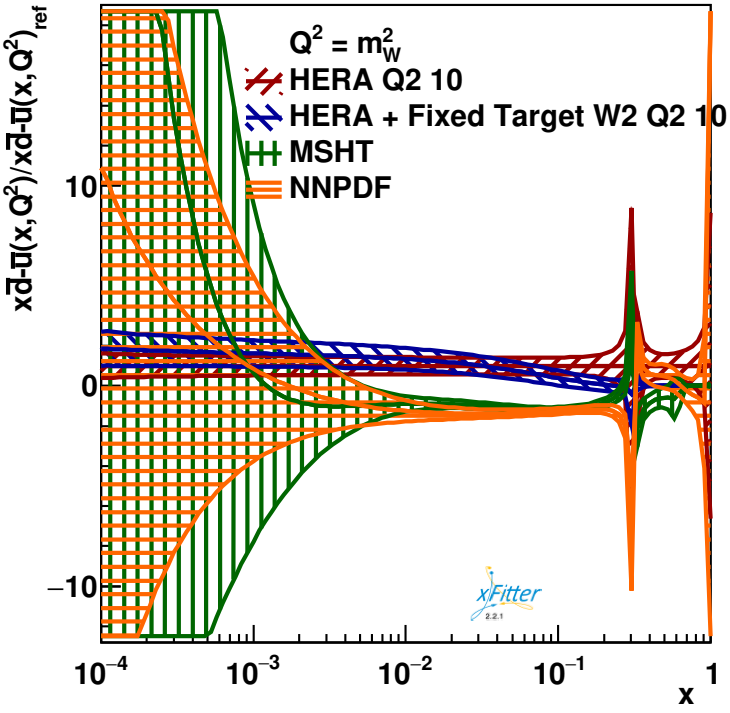

$Q^2 = m_W^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$x\bar{s}(x,Q^2)/x\bar{s}(x,Q^2)_{ref}$
x
xFitter

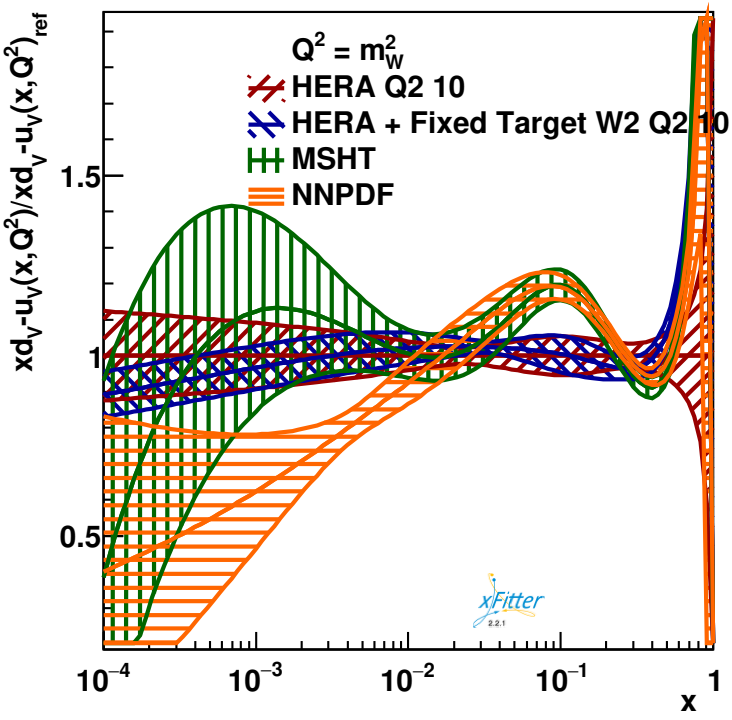

$Q^2 = m_W^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$x(s+\bar{s})/(\bar{u}+\bar{d})(x,Q^2)/x(s+\bar{s})/(\bar{u}+\bar{d})(x,Q^2)_{ref}$
x
xFitter

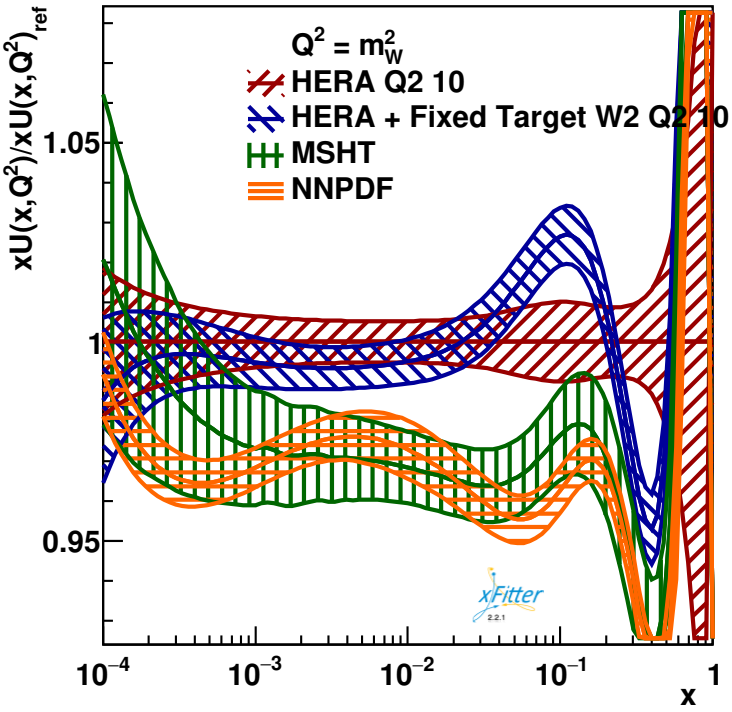

$Q^2 = m_W^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xs/\bar{s}(x,Q^2)/xs/\bar{s}(x,Q^2)_{ref}$
x
xFitter

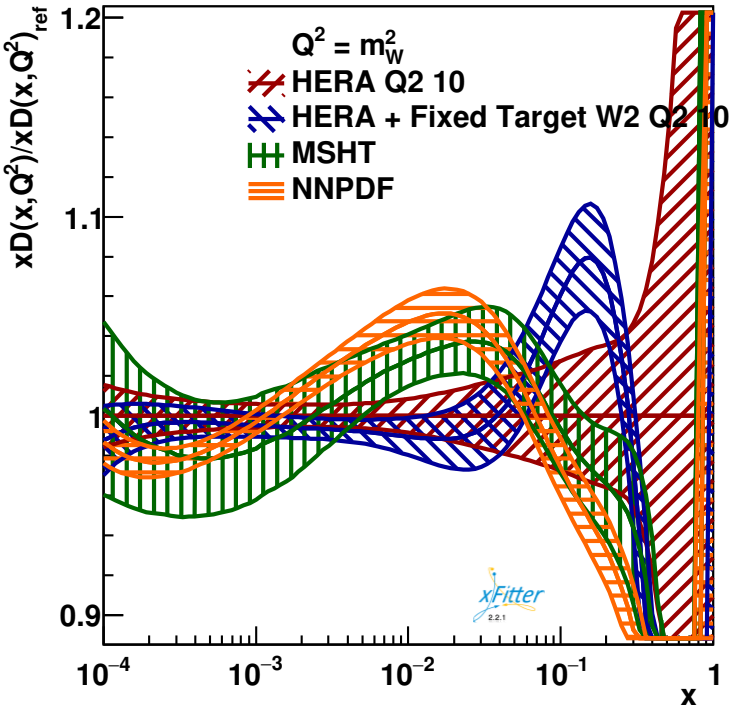

$xc(x,Q^2)/xc(x,Q^2)_{ref}$
$Q^2 = m_W^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
1.3
1.2
1.1
1
0.9
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x
xFitter
2.2.1

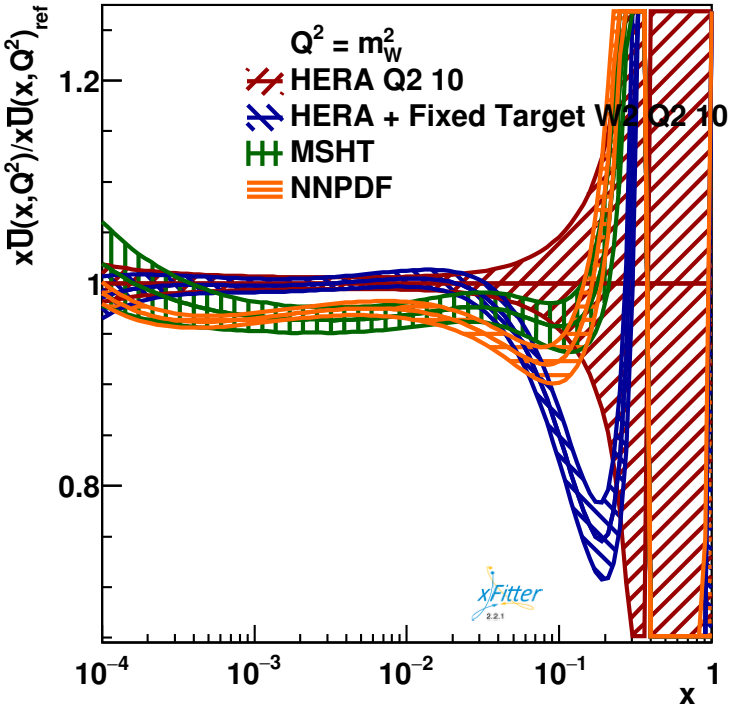

$xb(x,Q^2)/xb(x,Q^2)_{ref}$
$Q^2 = m_W^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
1.3
1.2
1.1
1
0.9
0.8
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x
xFitter
2.2.1

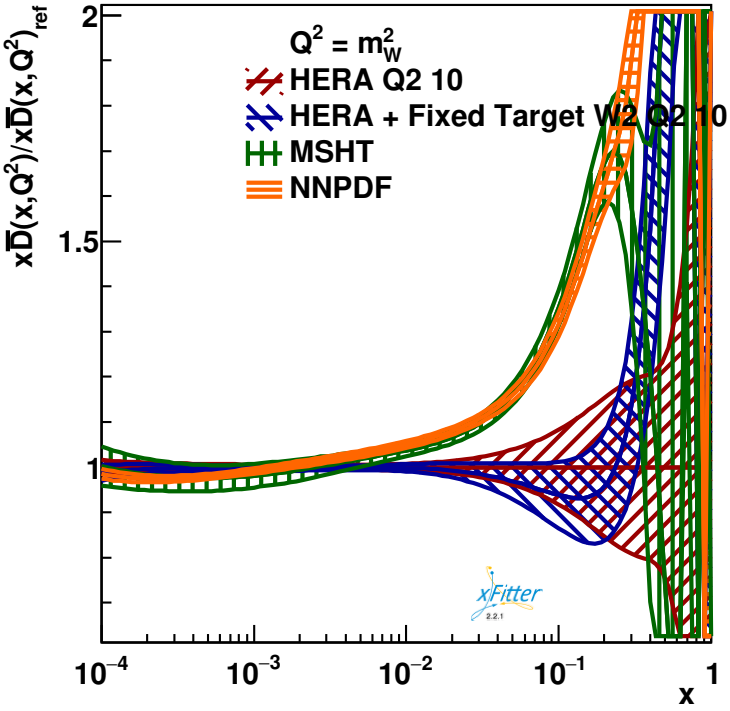

$x\bar{d}-\bar{u}(x,Q^2)/x\bar{d}-\bar{u}(x,Q^2)_{ref}$
$Q^2 = m_W^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
10
0
−10
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x
xFitter
2.2.1

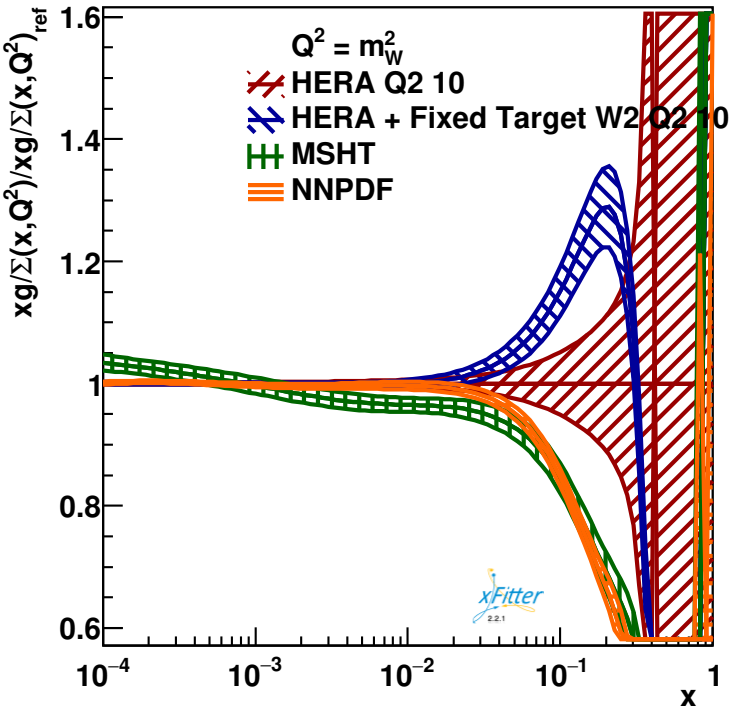

$xd_V-u_V(x,Q^2)/xd_V-u_V(x,Q^2)_{ref}$
$Q^2 = m_W^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
1.5
1
0.5
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x
xFitter
2.2.1

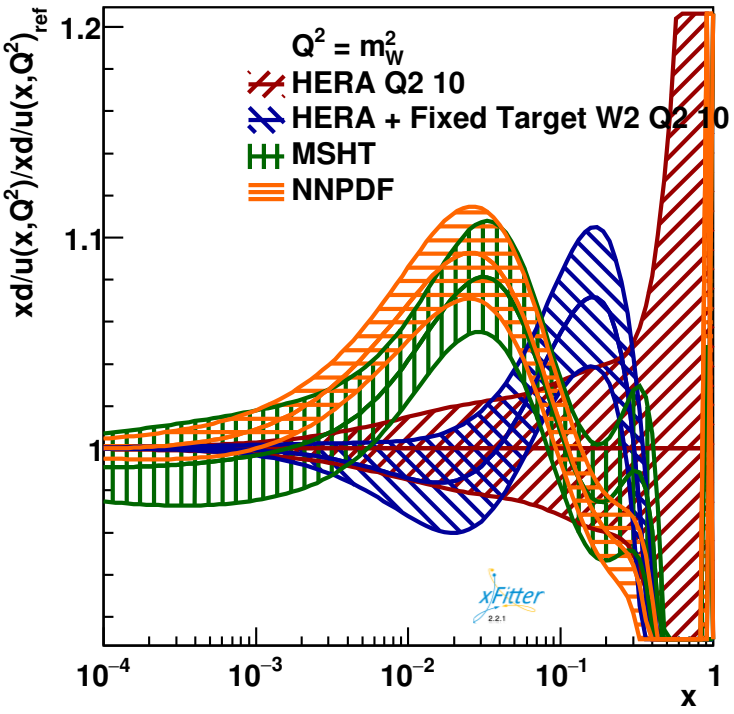

$Q^2 = m_W^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xU(x,Q^2)/xU(x,Q^2)_{ref}$
1.05
1
0.95
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x
xFitter
2.2.1

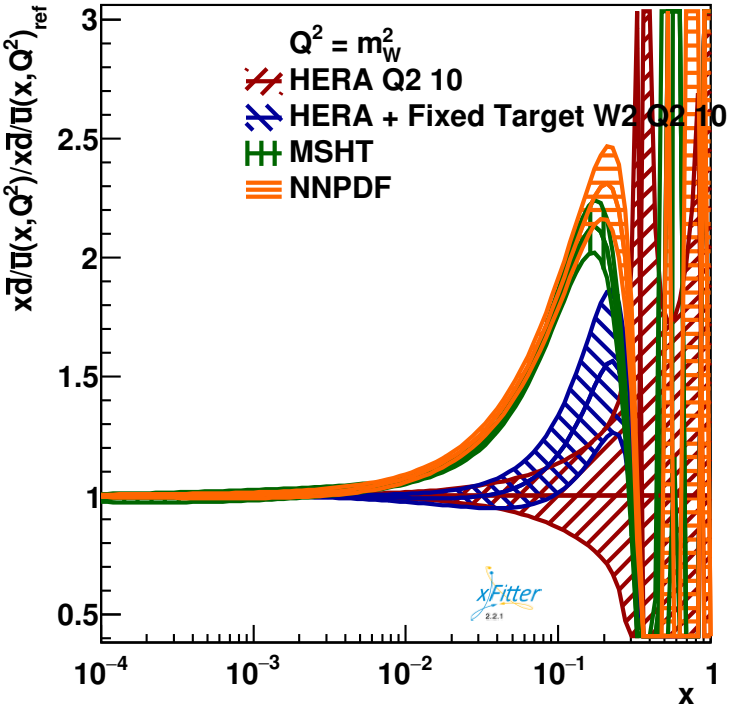

$Q^2 = m_W^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xD(x,Q^2)/xD(x,Q^2)_{ref}$
1.2
1.1
1
0.9
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x
xFitter
2.2.1

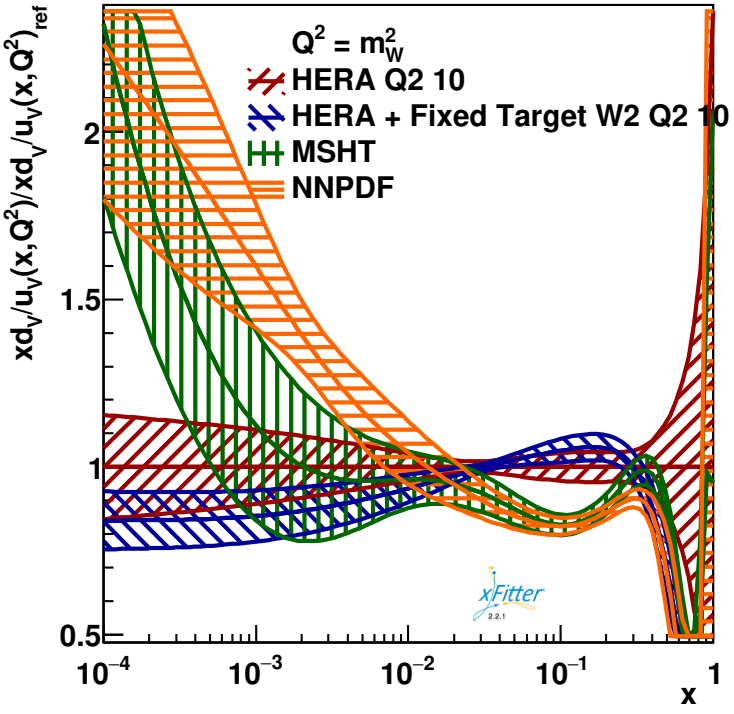

$Q^2 = m_W^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$x\bar{U}(x,Q^2)/x\bar{U}(x,Q^2)_{ref}$
1.2
1
0.8
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x
xFitter
2.2.1

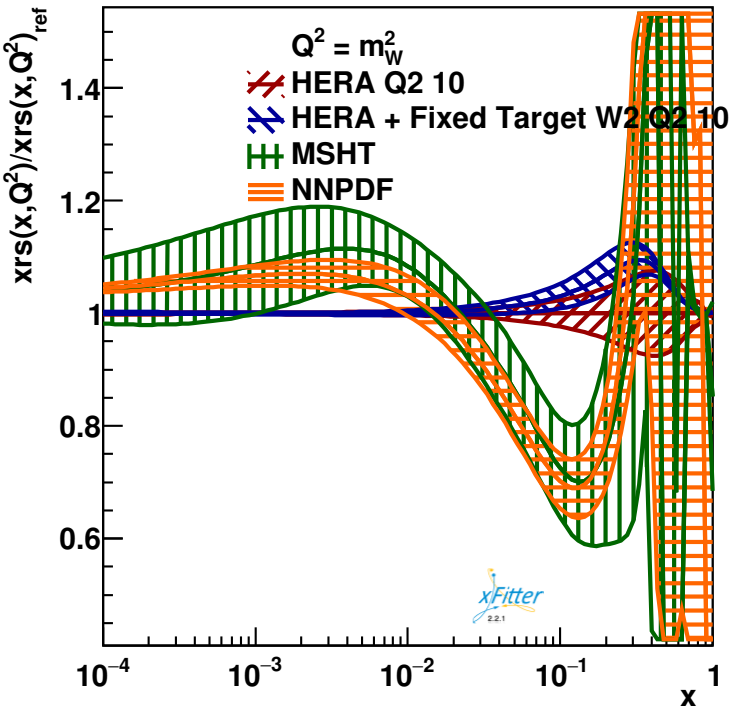

$Q^2 = m_W^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$x\bar{D}(x,Q^2)/x\bar{D}(x,Q^2)_{ref}$
2
1.5
1
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x
xFitter
2.2.1

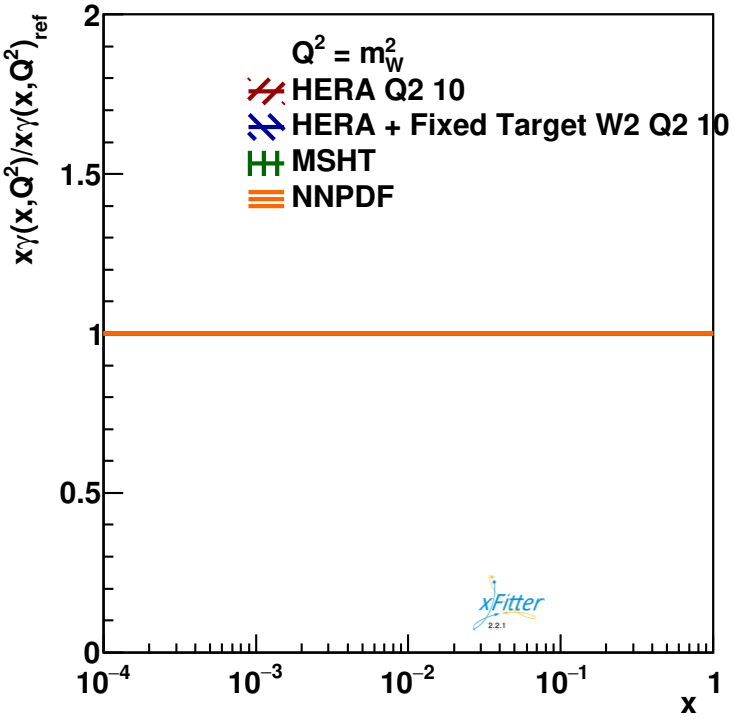

$Q^2 = m_W^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xg/\Sigma(x,Q^2)/xg/\Sigma(x,Q^2)_{ref}$
x
xFitter

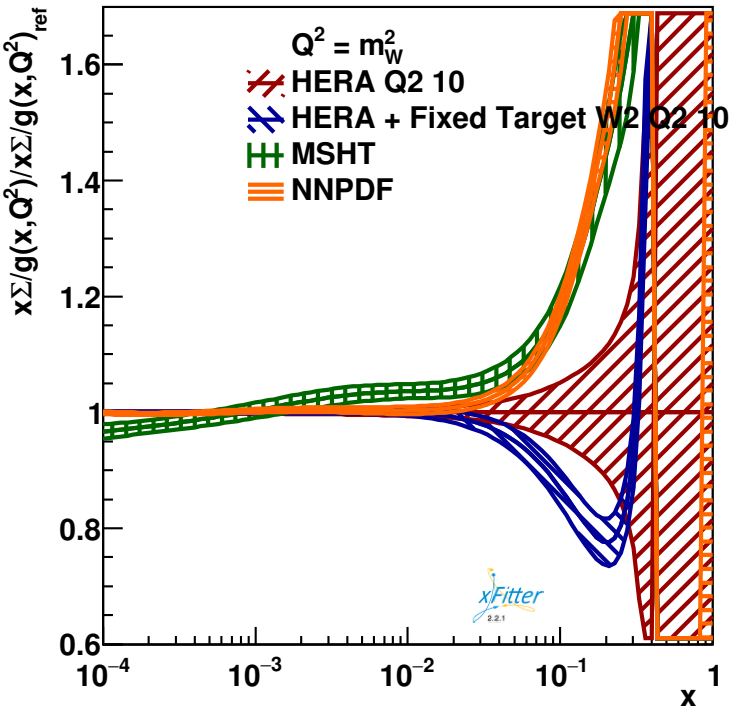

$Q^2 = m_W^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xd/u(x,Q^2)/xd/u(x,Q^2)_{ref}$
x
xFitter

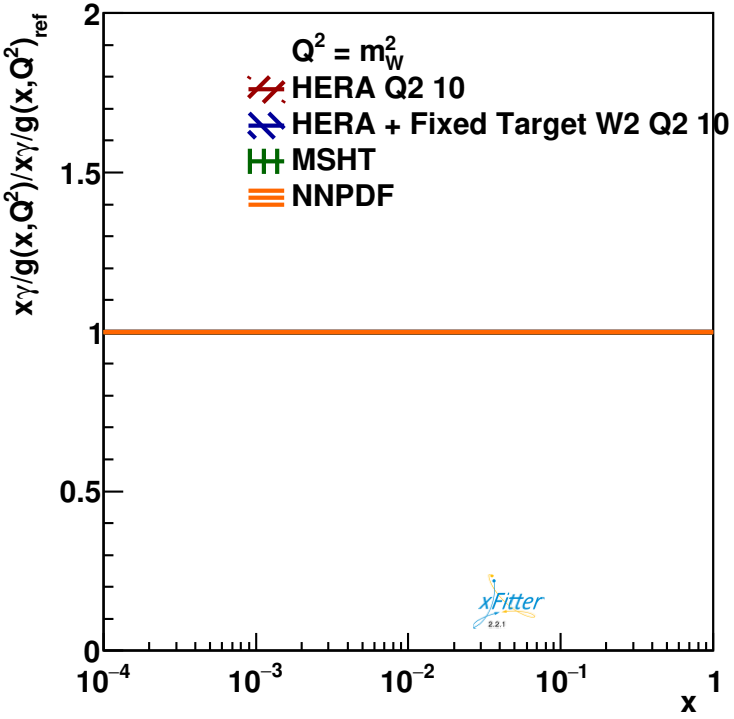

$Q^2 = m_W^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$x\bar{d}/\bar{u}(x,Q^2)/x\bar{d}/\bar{u}(x,Q^2)_{ref}$
x
xFitter

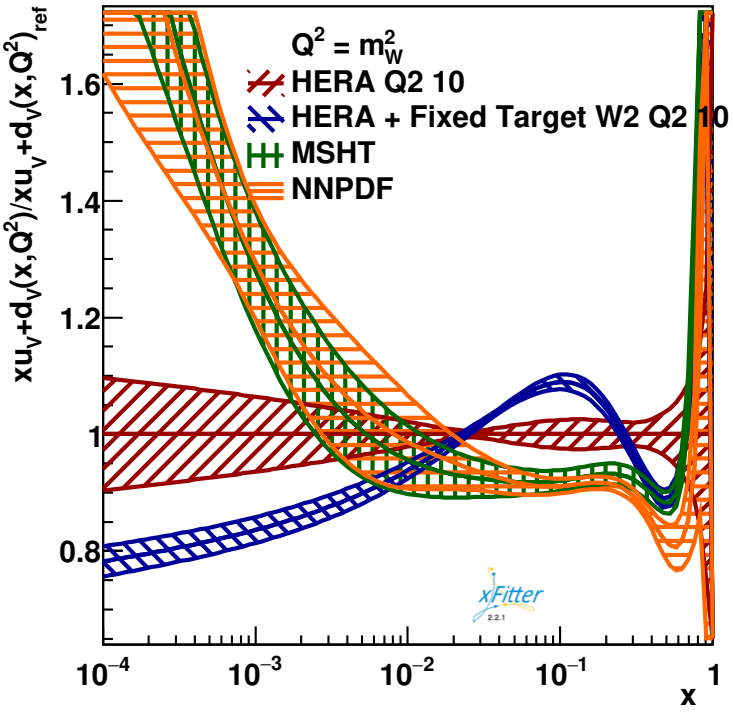

$Q^2 = m_W^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xd_V/u_V(x,Q^2)/xd_V/u_V(x,Q^2)_{ref}$
x
xFitter

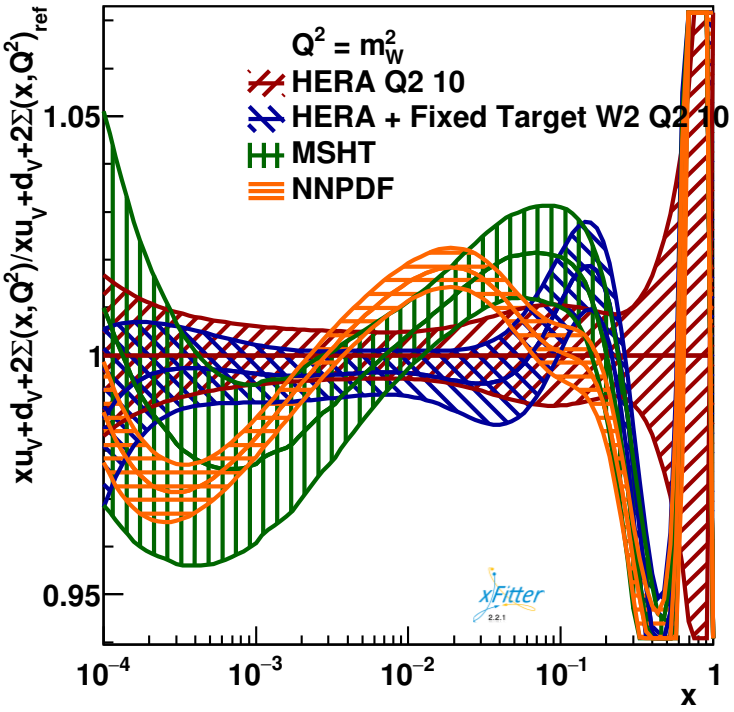

$Q^2 = m_W^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xrs(x,Q^2)/xrs(x,Q^2)_{ref}$
x
xFitter

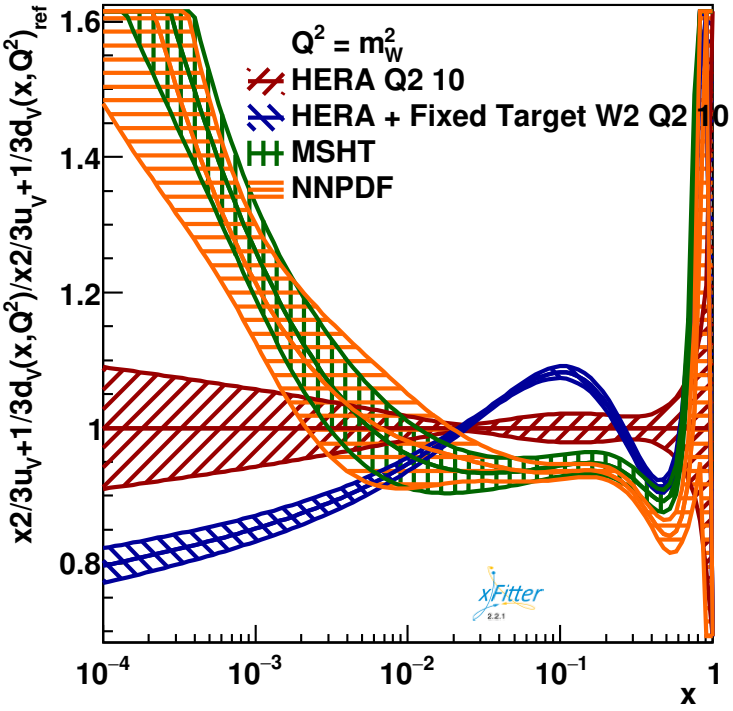

$Q^2 = m_W^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$x\gamma(x,Q^2)/x\gamma(x,Q^2)_{ref}$
x
xFitter

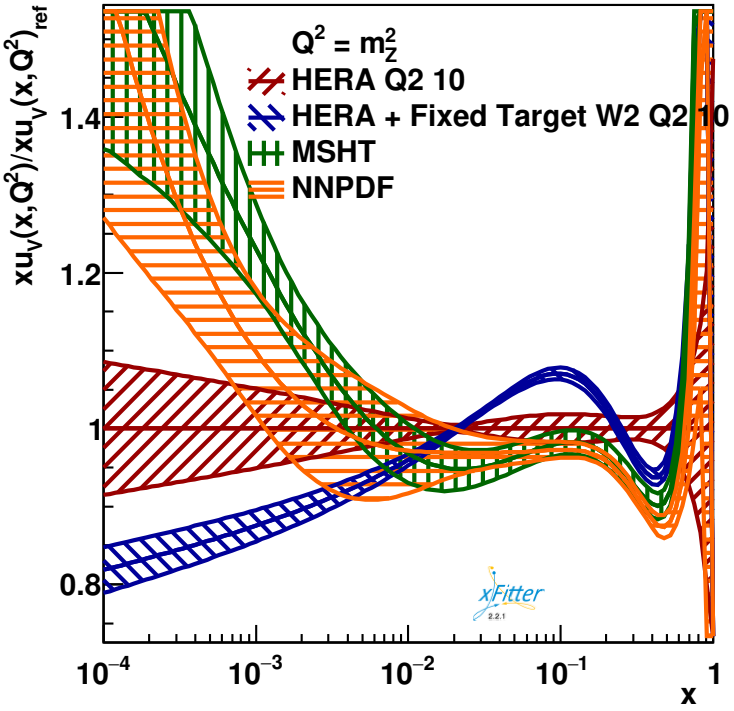

$Q^2 = m_W^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$x\Sigma/g(x,Q^2)/x\Sigma/g(x,Q^2)_{ref}$
x
xFitter

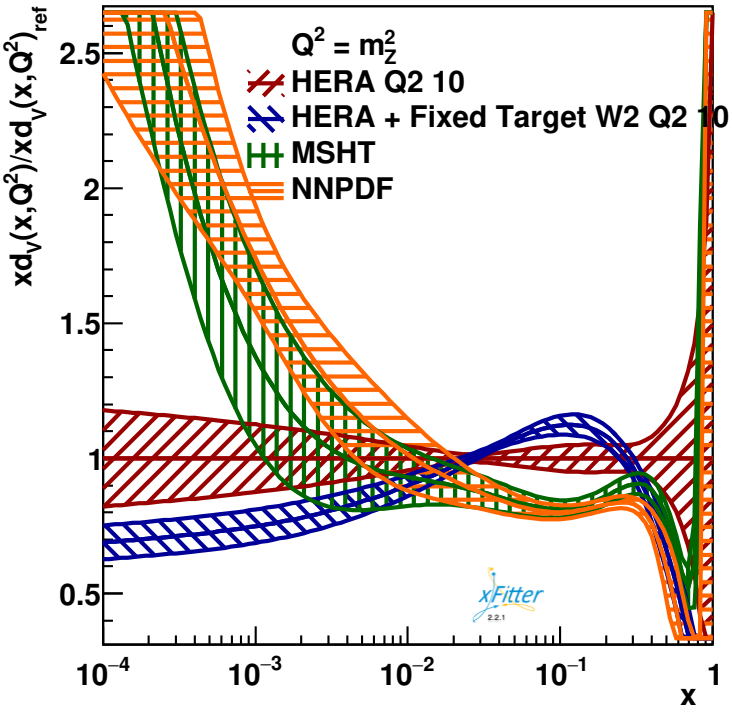

$Q^2 = m_W^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$x\gamma/g(x,Q^2)/x\gamma/g(x,Q^2)_{ref}$
x
xFitter

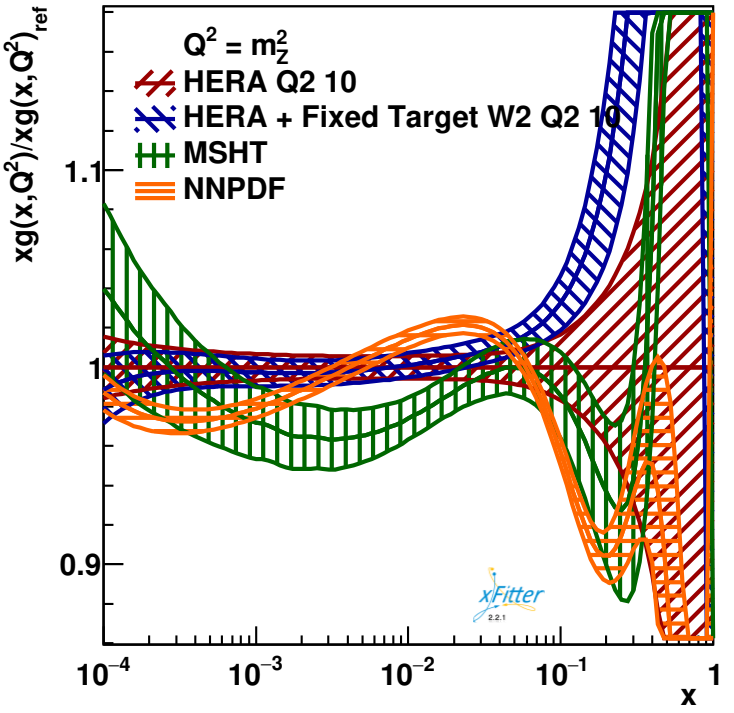

$Q^2 = m_W^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xu_V+d_V(x,Q^2)/xu_V+d_V(x,Q^2)_{ref}$
x
xFitter

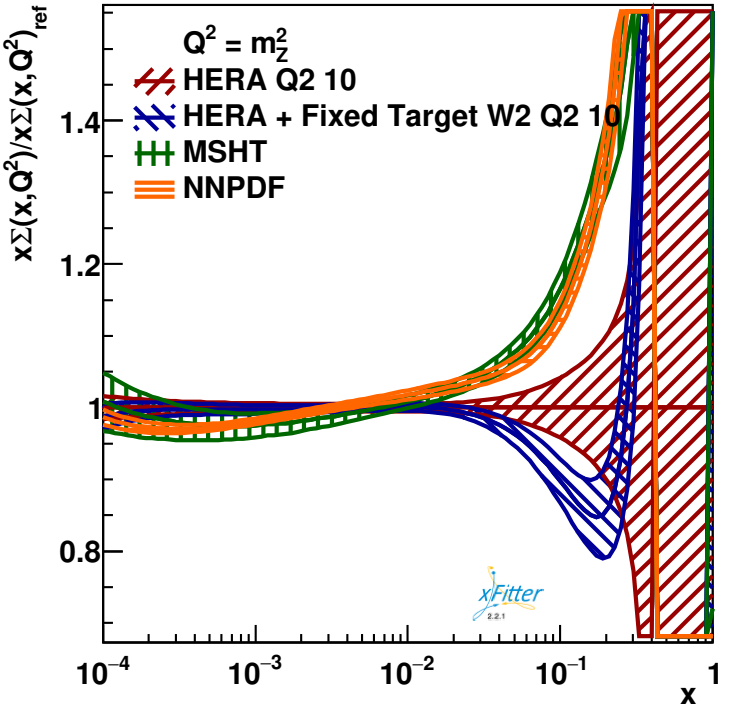

$Q^2 = m_W^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xu_V+d_V+2\Sigma(x,Q^2)/xu_V+d_V+2\Sigma(x,Q^2)_{ref}$
x
xFitter

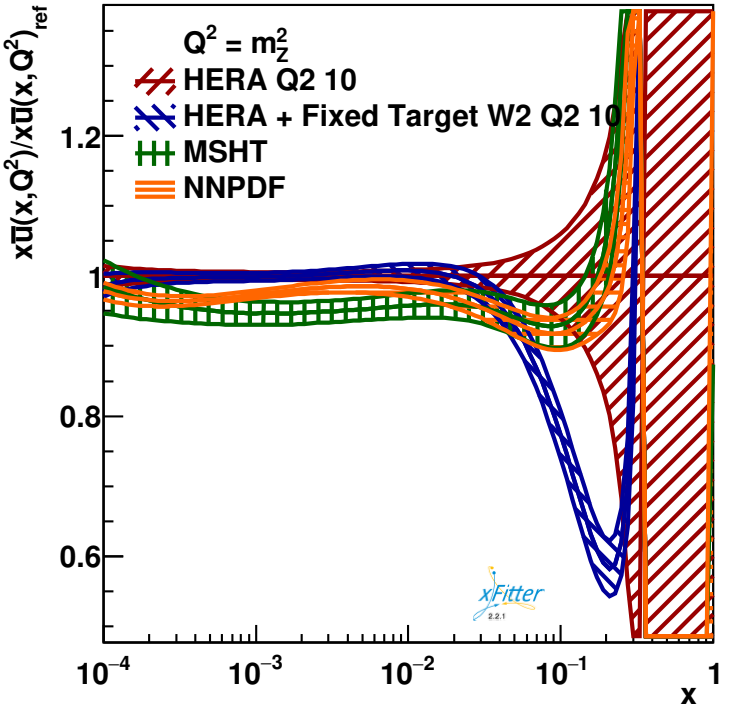

$Q^2 = m_W^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$x2/3u_V+1/3d_V(x,Q^2)/x2/3u_V+1/3d_V(x,Q^2)_{ref}$
x
xFitter

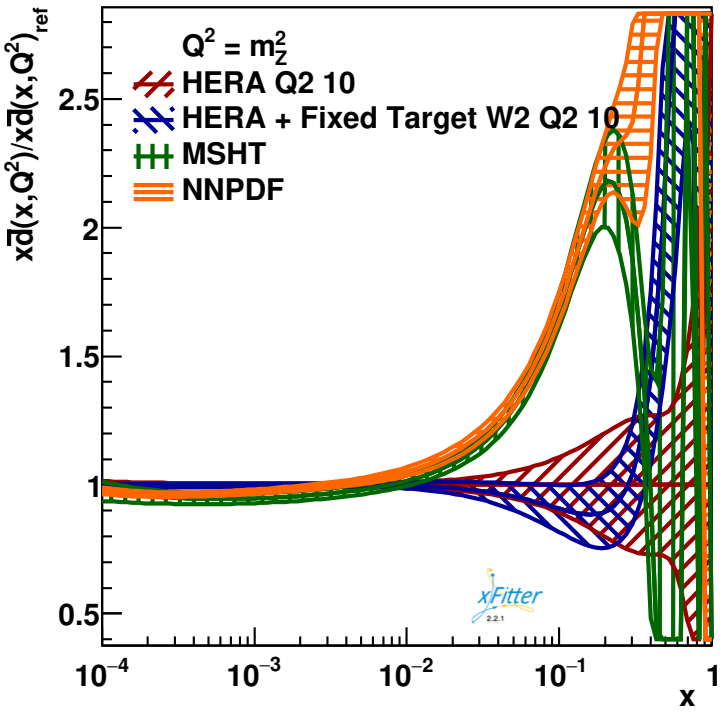

$Q^2 = m_Z^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xu_V(x,Q^2)/xu_V(x,Q^2)_{ref}$
x
xFitter

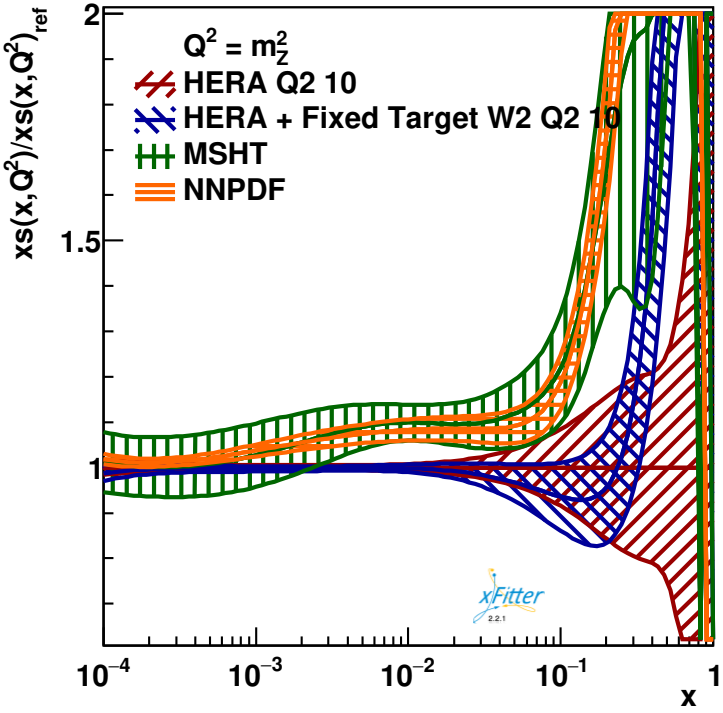

$xd_V(x,Q^2)/xd_V(x,Q^2)_{ref}$
$Q^2 = m_Z^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
2.5
2
1.5
1
0.5
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x
xFitter
2.2.1

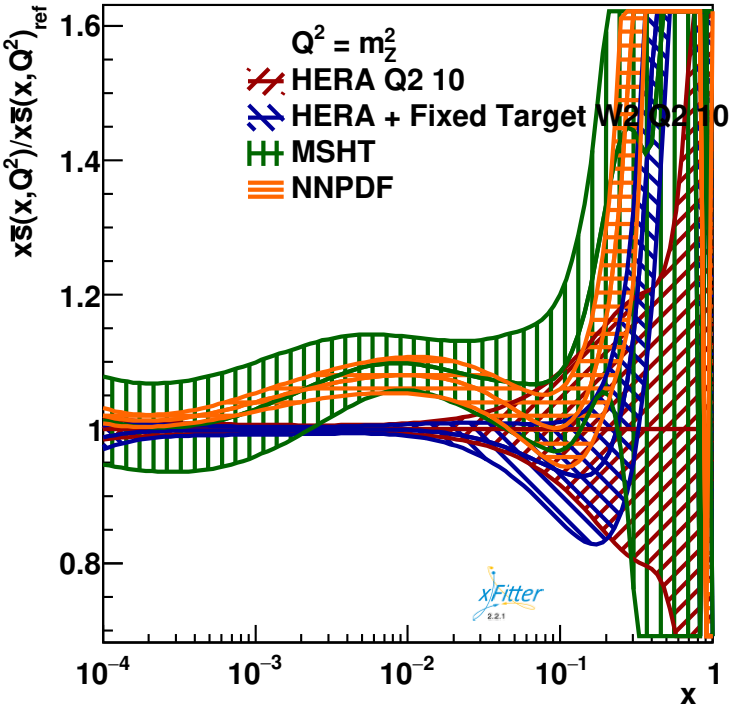

$xg(x,Q^2)/xg(x,Q^2)_{ref}$
$Q^2 = m_Z^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
1.1
1
0.9
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x
xFitter
2.2.1

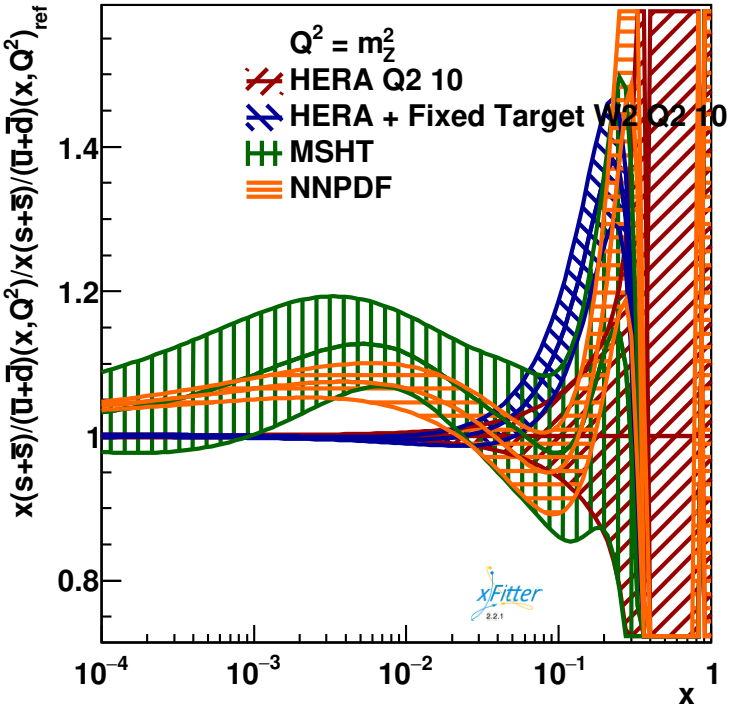

$x\Sigma(x,Q^2)/x\Sigma(x,Q^2)_{ref}$
$Q^2 = m_Z^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
1.4
1.2
1
0.8
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x
xFitter
2.2.1

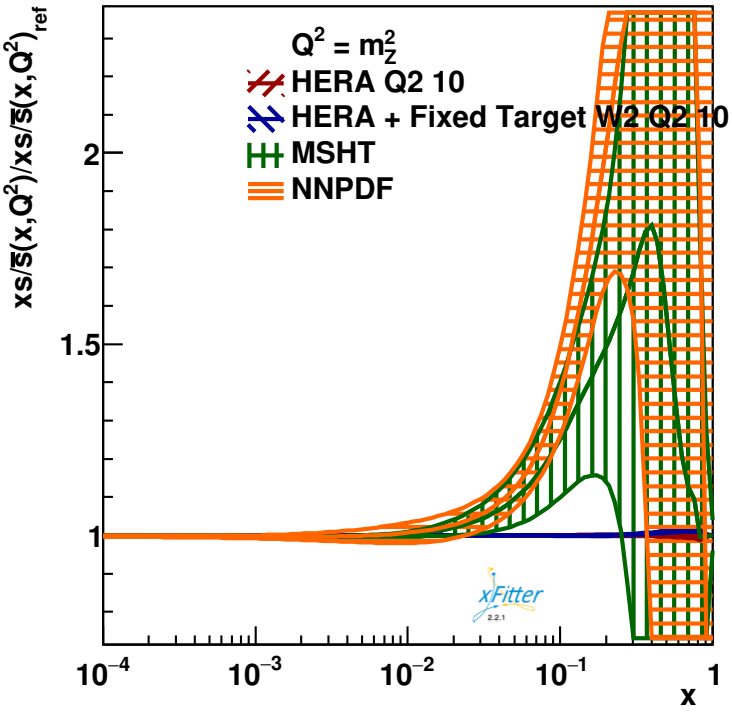

$x\bar{u}(x,Q^2)/x\bar{u}(x,Q^2)_{ref}$
$Q^2 = m_Z^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
1.2
1
0.8
0.6
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x
xFitter
2.2.1

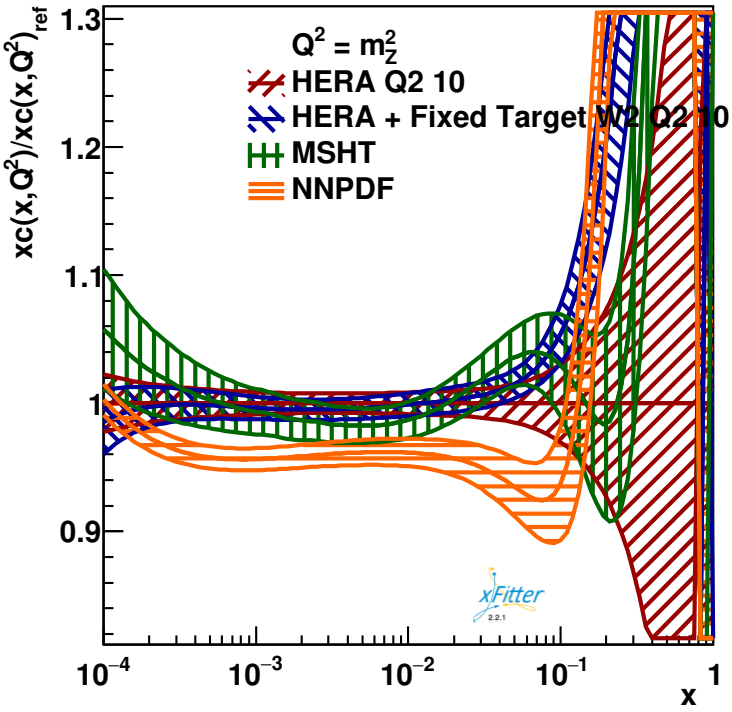

$Q^2 = m_Z^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$x\bar{d}(x,Q^2)/x\bar{d}(x,Q^2)_{ref}$
x
xFitter

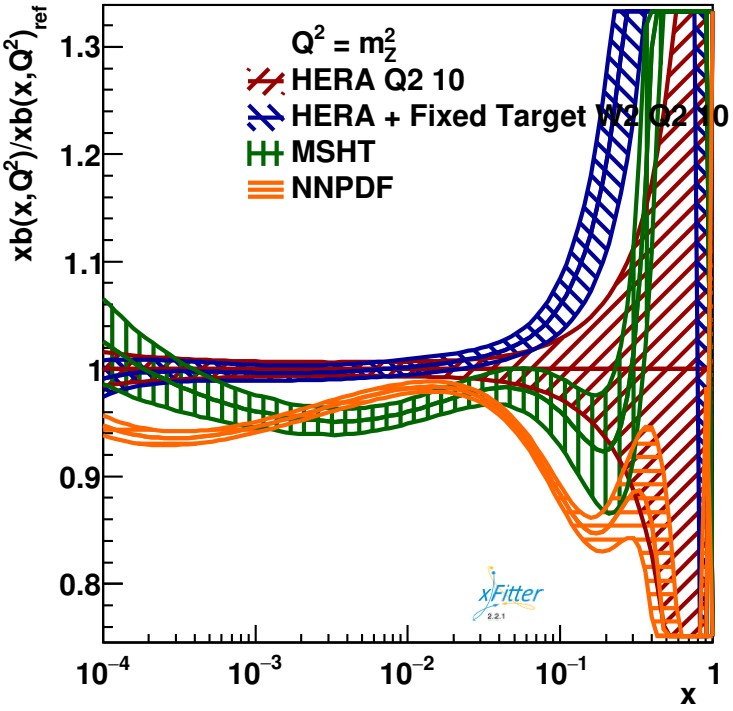

$Q^2 = m_Z^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xs(x,Q^2)/xs(x,Q^2)_{ref}$
x
xFitter

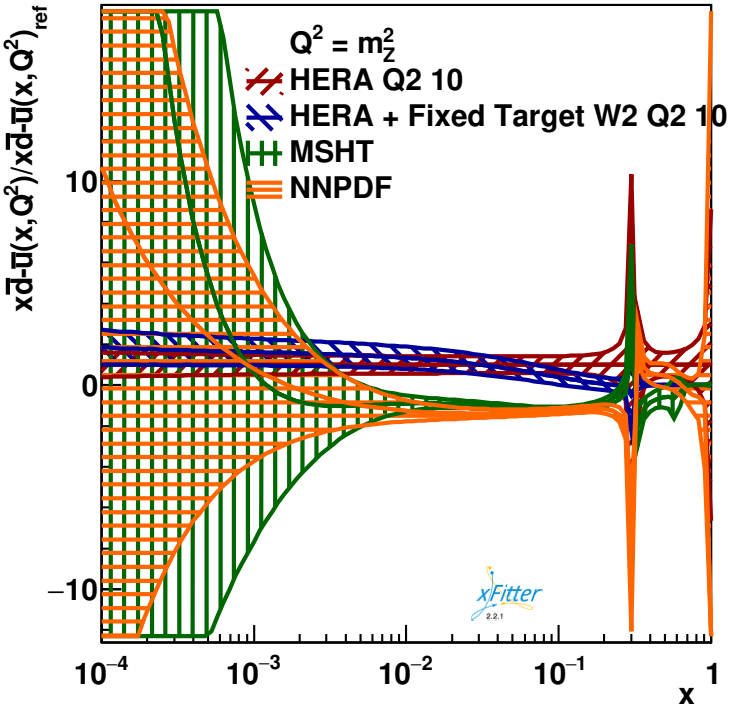

$Q^2 = m_Z^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$x\bar{s}(x,Q^2)/x\bar{s}(x,Q^2)_{ref}$
x
xFitter

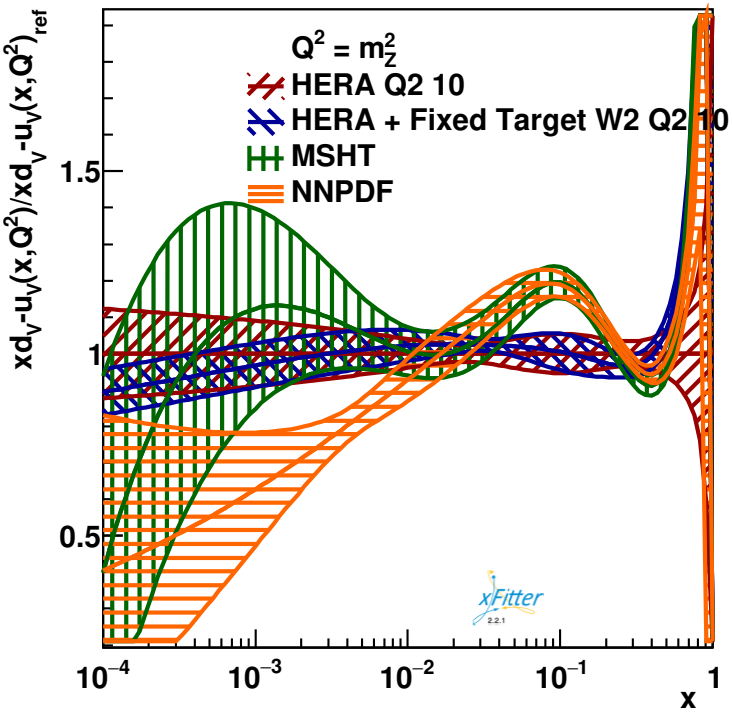

$Q^2 = m_Z^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$x(s+\bar{s})/(\bar{u}+\bar{d})(x,Q^2)/x(s+\bar{s})/(\bar{u}+\bar{d})(x,Q^2)_{ref}$
x
xFitter

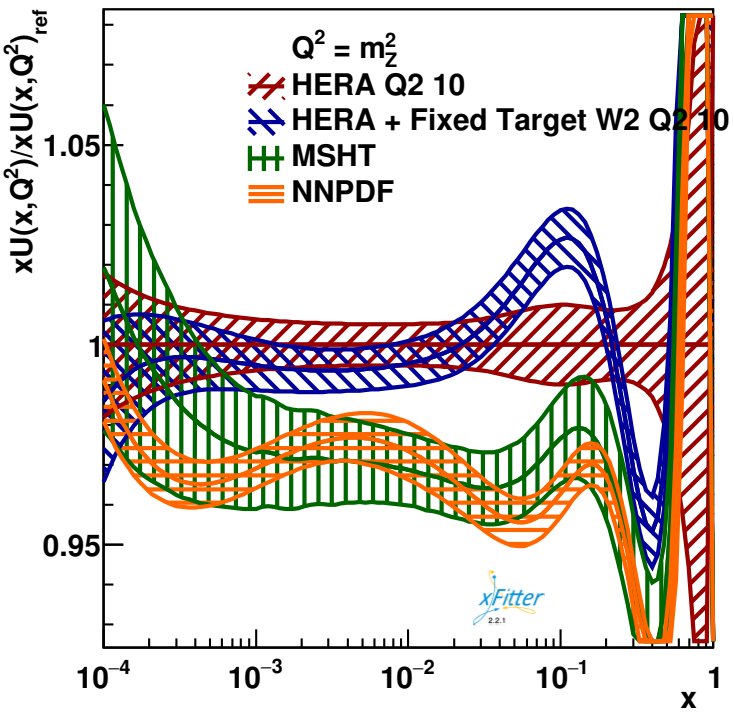

$xs/\bar{s}(x,Q^2)/xs/\bar{s}(x,Q^2)_{ref}$
$Q^2 = m_Z^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter
2.2.1
x

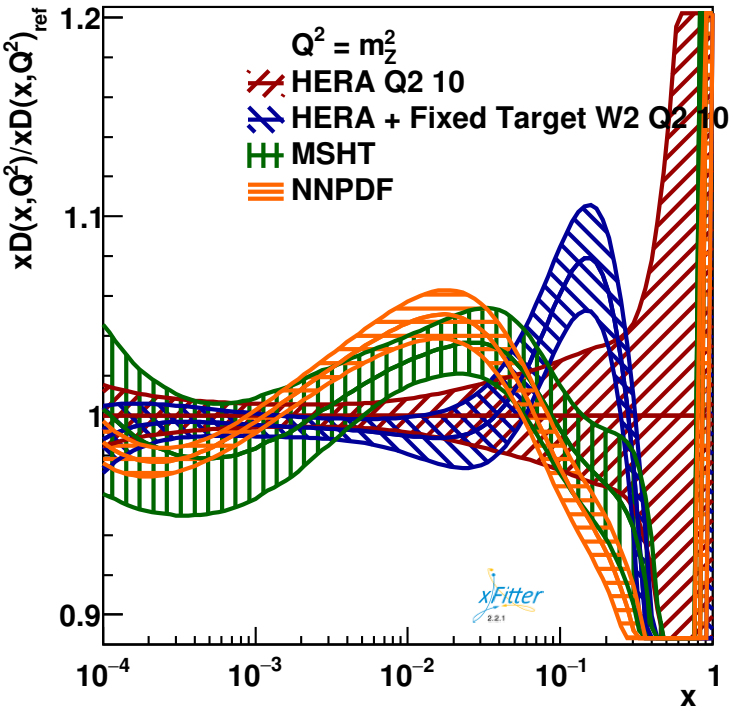

$xc(x,Q^2)/xc(x,Q^2)_{ref}$
$Q^2 = m_Z^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter
2.2.1
x

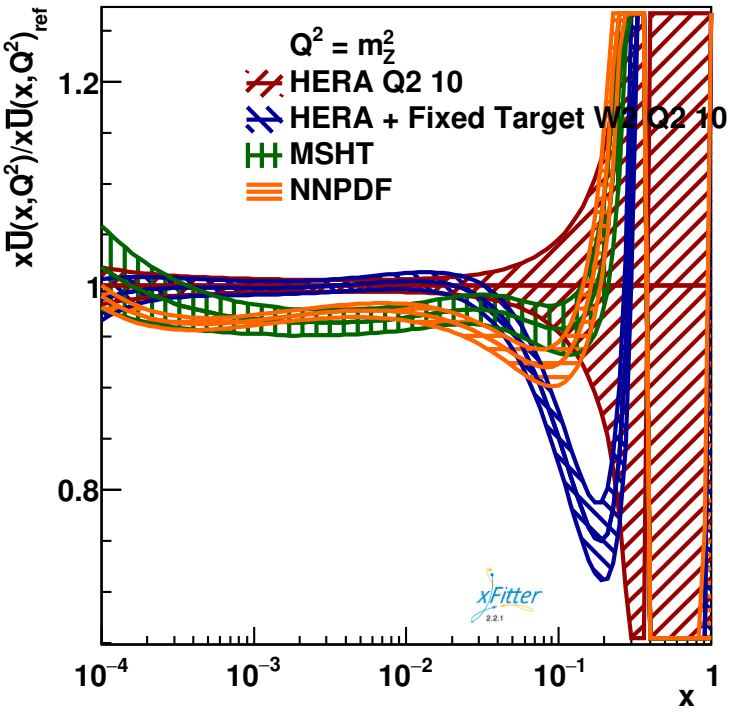

$xb(x,Q^2)/xb(x,Q^2)_{ref}$
$Q^2 = m_Z^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter
2.2.1
x

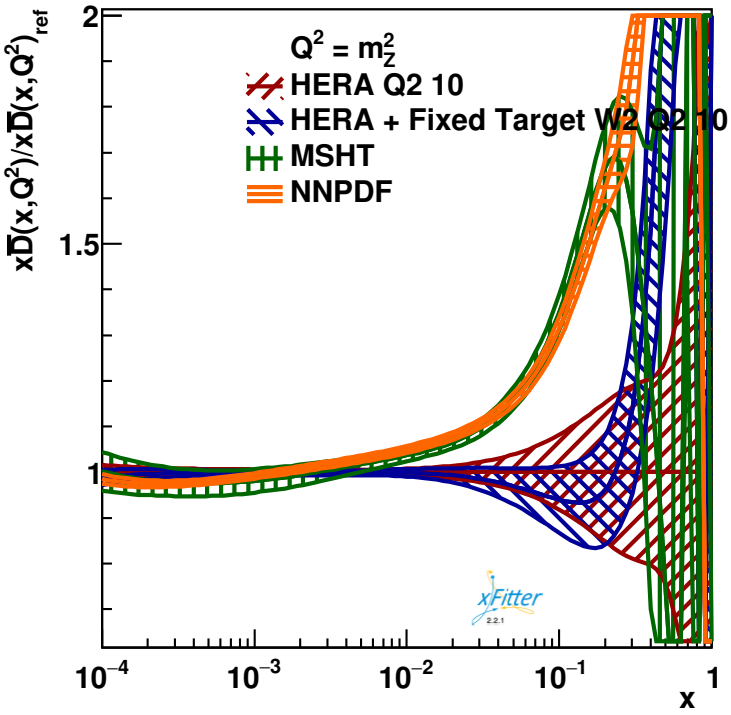

$x\bar{d}-\bar{u}(x,Q^2)/x\bar{d}-\bar{u}(x,Q^2)_{ref}$
$Q^2 = m_Z^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter
2.2.1
x

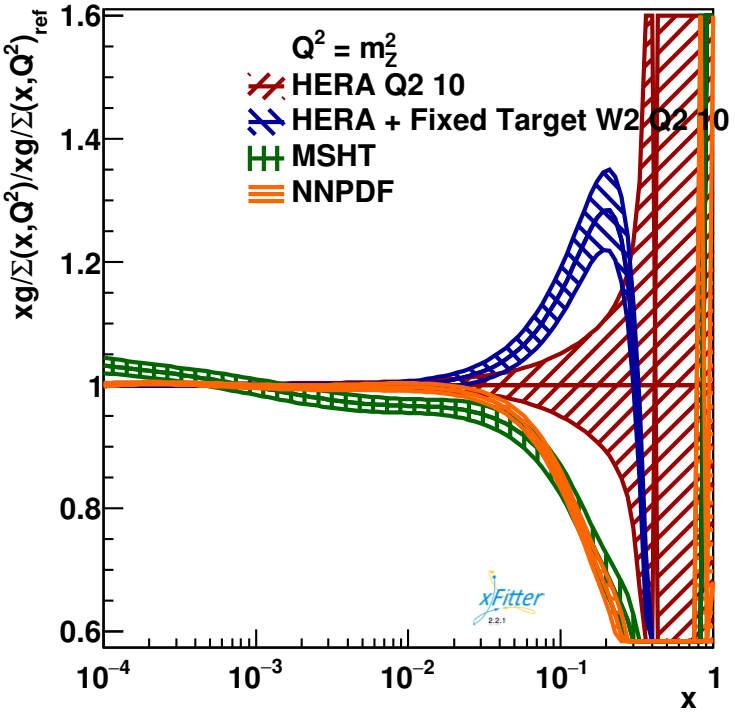

$xd_V-u_V(x,Q^2)/xd_V-u_V(x,Q^2)_{ref}$
$Q^2 = m_Z^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
1.5
1
0.5
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x
xFitter
2.2.1

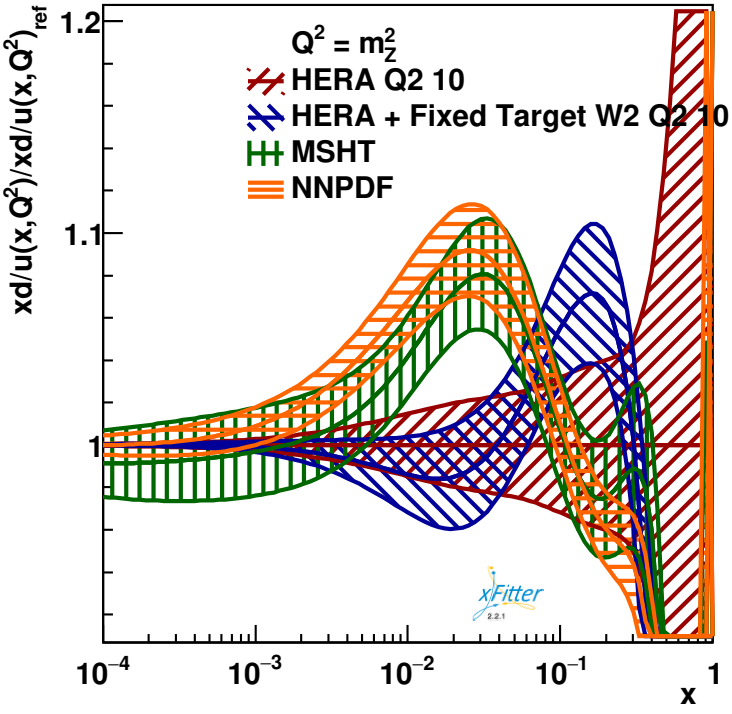

$xU(x,Q^2)/xU(x,Q^2)_{ref}$
$Q^2 = m_Z^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
1.05
1
0.95
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x
xFitter
2.2.1

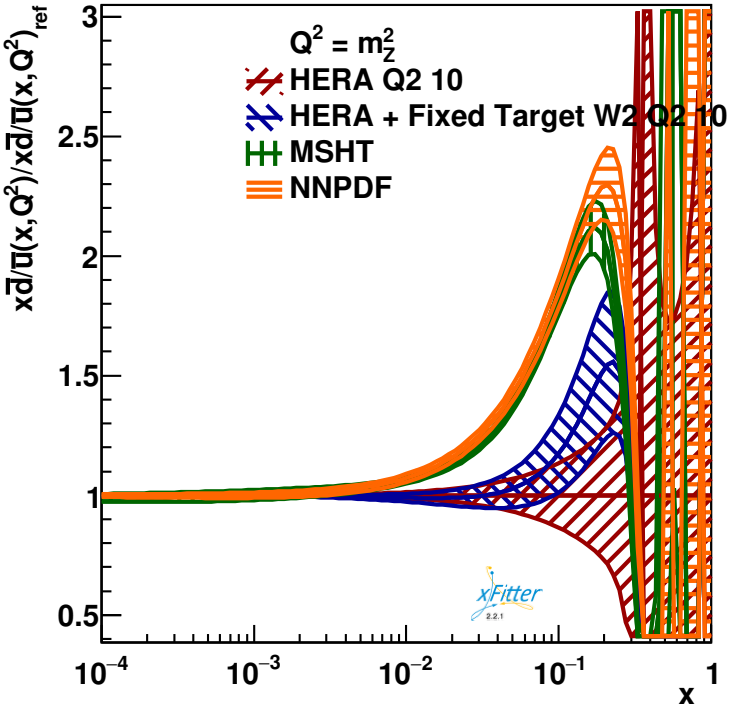

$xD(x,Q^2)/xD(x,Q^2)_{ref}$
$Q^2 = m_Z^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
1.2
1.1
1
0.9
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x
xFitter
2.2.1

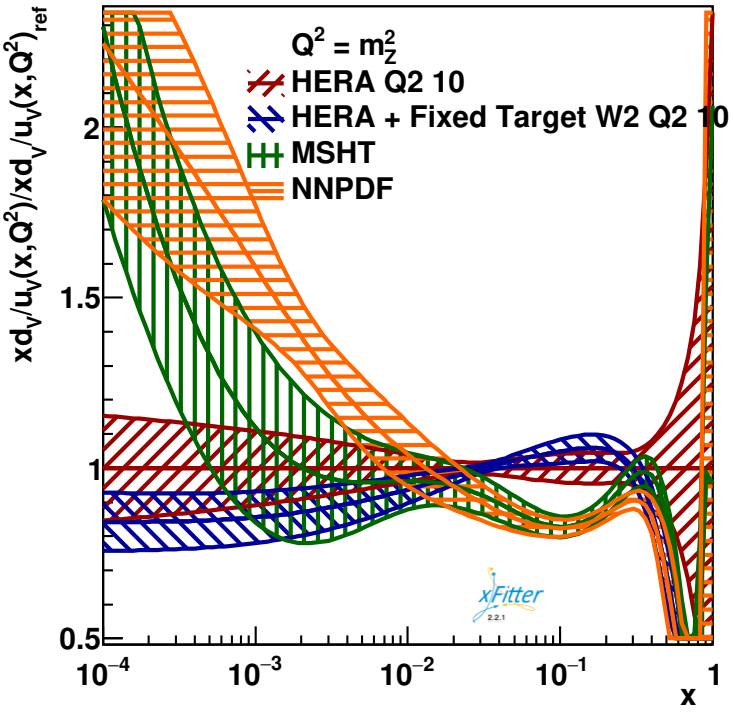

$x\bar{U}(x,Q^2)/x\bar{U}(x,Q^2)_{ref}$
$Q^2 = m_Z^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
1.2
1
0.8
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
x
xFitter
2.2.1

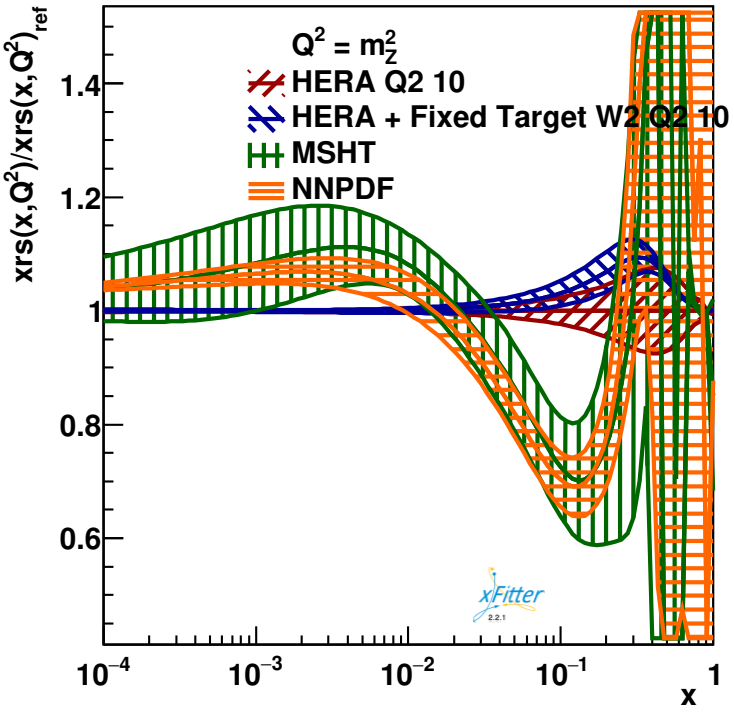

$x\bar{D}(x,Q^2)/x\bar{D}(x,Q^2)_{ref}$
$Q^2 = m_Z^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter
2.2.1
x

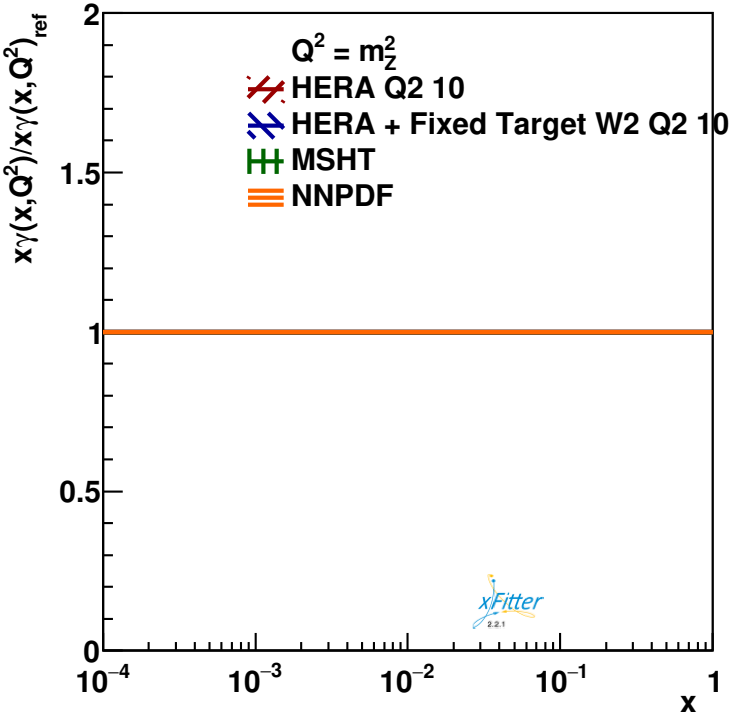

$xg/\Sigma(x,Q^2)/xg/\Sigma(x,Q^2)_{ref}$
$Q^2 = m_Z^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter
2.2.1
x

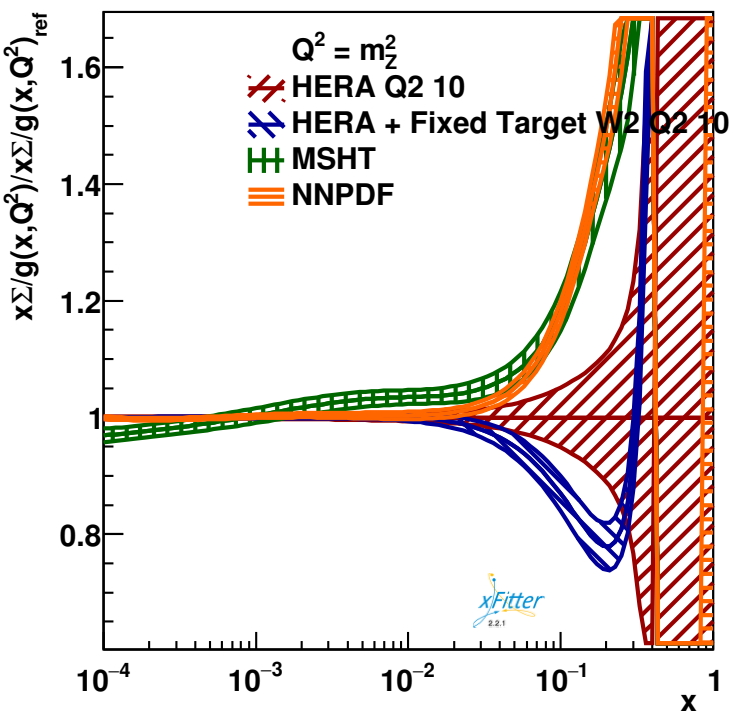

$xd/u(x,Q^2)/xd/u(x,Q^2)_{ref}$
$Q^2 = m_Z^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter
2.2.1
x

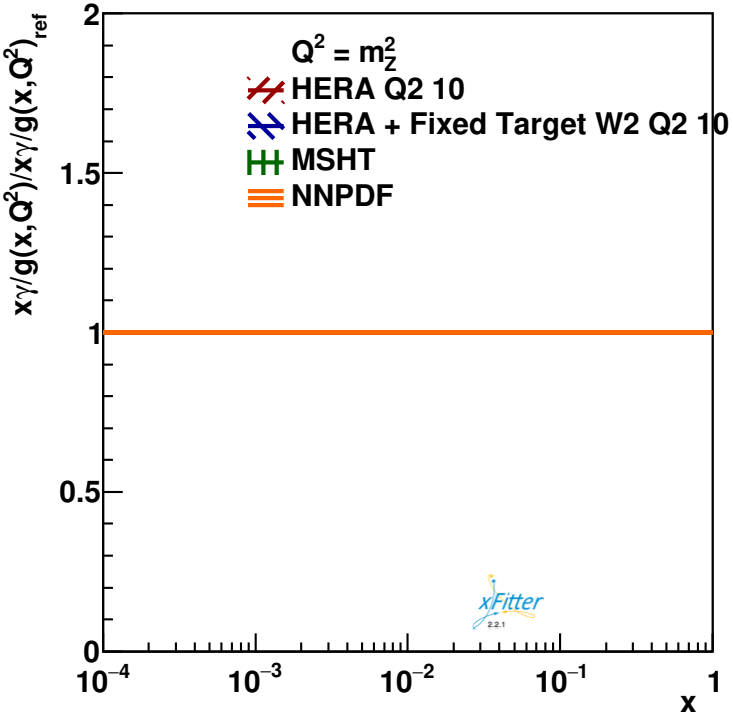

$x\bar{d}/\bar{u}(x,Q^2)/x\bar{d}/\bar{u}(x,Q^2)_{ref}$
$Q^2 = m_Z^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter
2.2.1
x

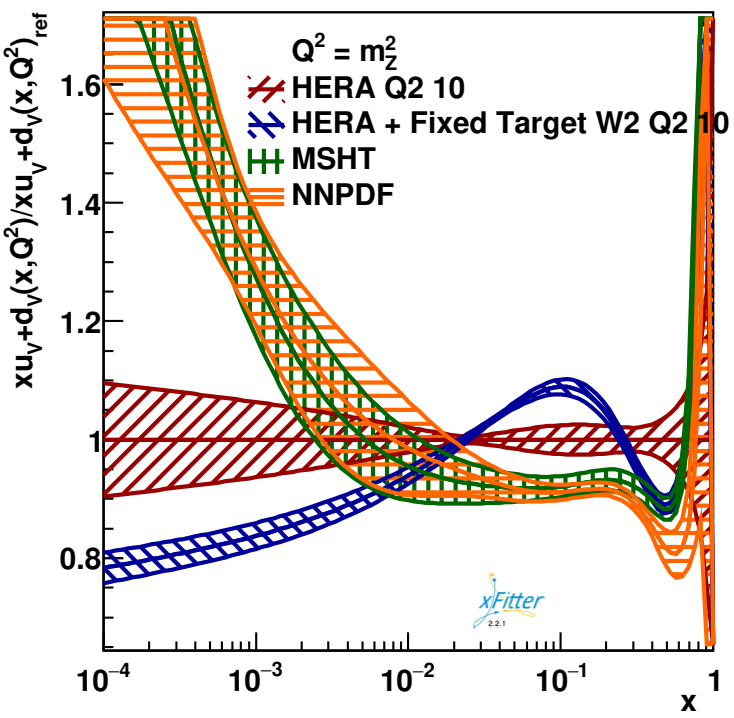

$xd_V/u_V(x,Q^2)/xd_V/u_V(x,Q^2)_{ref}$
$Q^2 = m_Z^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter
2.2.1
x

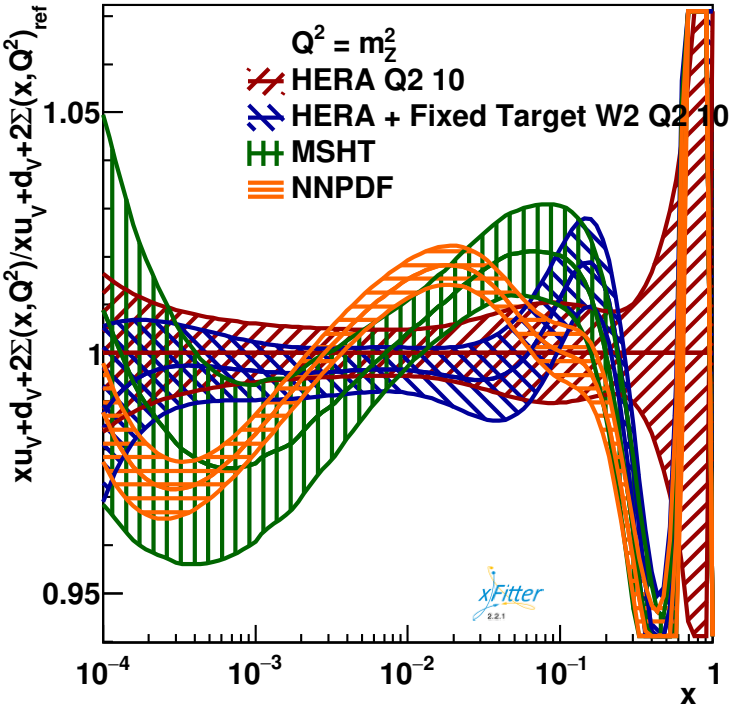

$xrs(x,Q^2)/xrs(x,Q^2)_{ref}$
$Q^2 = m_Z^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter
2.2.1
x

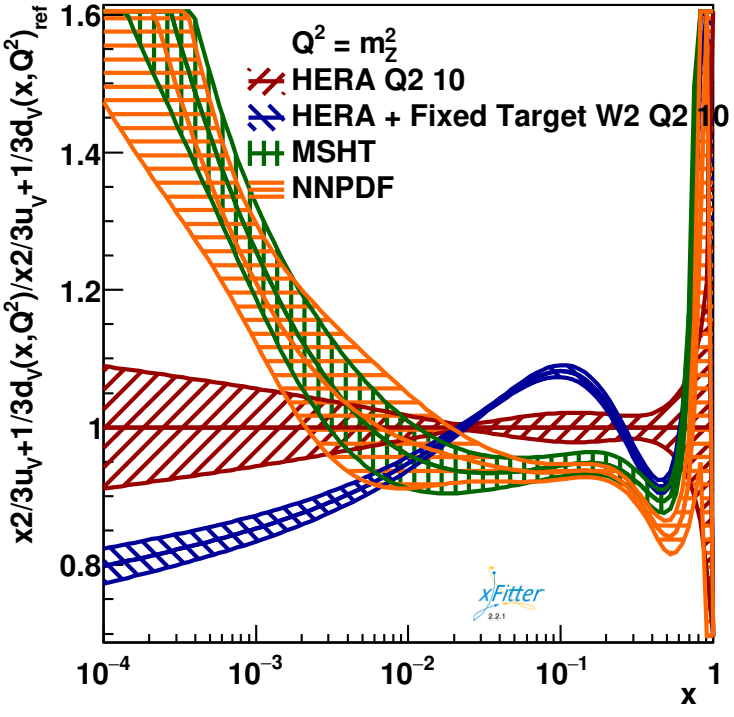

$x\gamma(x,Q^2)/x\gamma(x,Q^2)_{ref}$
$Q^2 = m_Z^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter
2.2.1
x

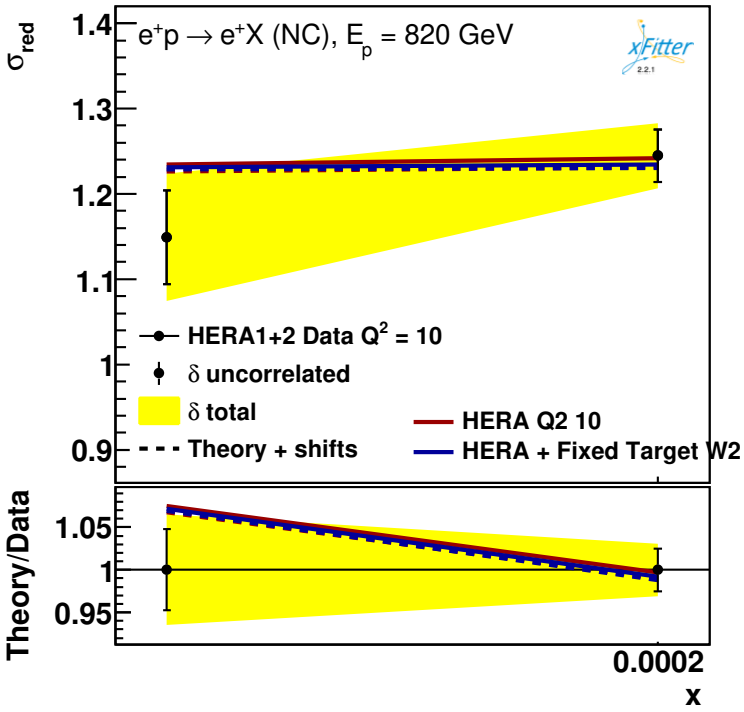

$x\Sigma/g(x,Q^2)/x\Sigma/g(x,Q^2)_{ref}$
$Q^2 = m_Z^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
xFitter
2.2.1
x

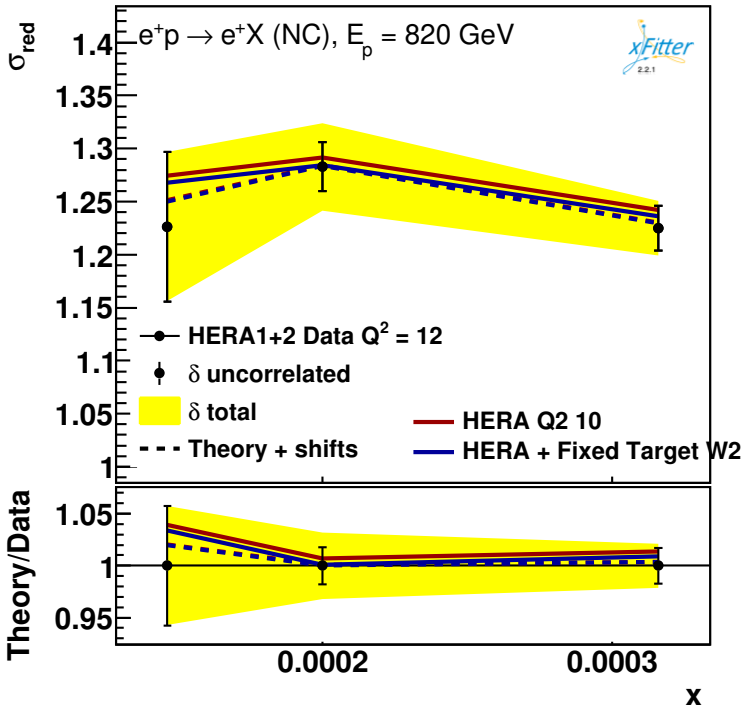

$Q^2 = m_Z^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$x\gamma/g(x,Q^2)/x\gamma/g(x,Q^2)_{ref}$
x
xFitter

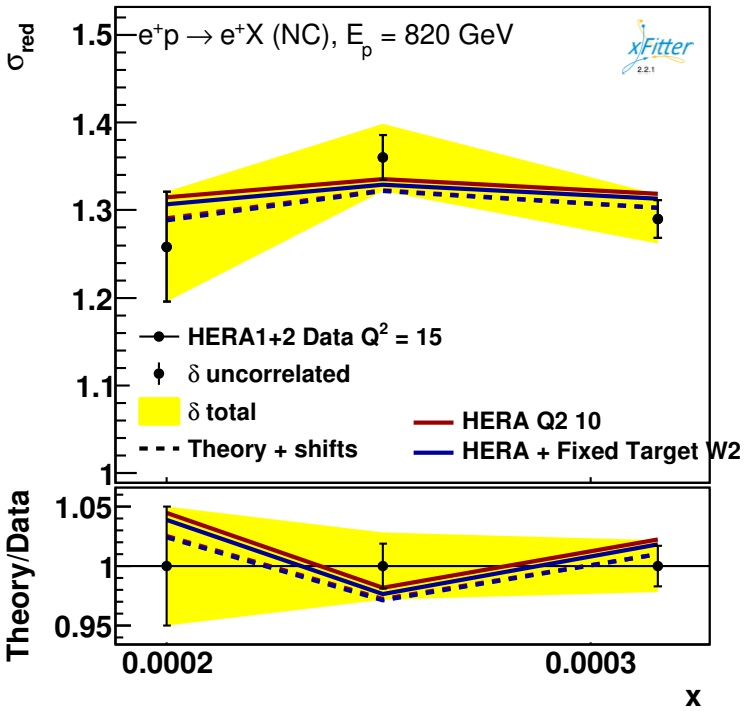

$Q^2 = m_Z^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xu_V+d_V(x,Q^2)/xu_V+d_V(x,Q^2)_{ref}$
x
xFitter

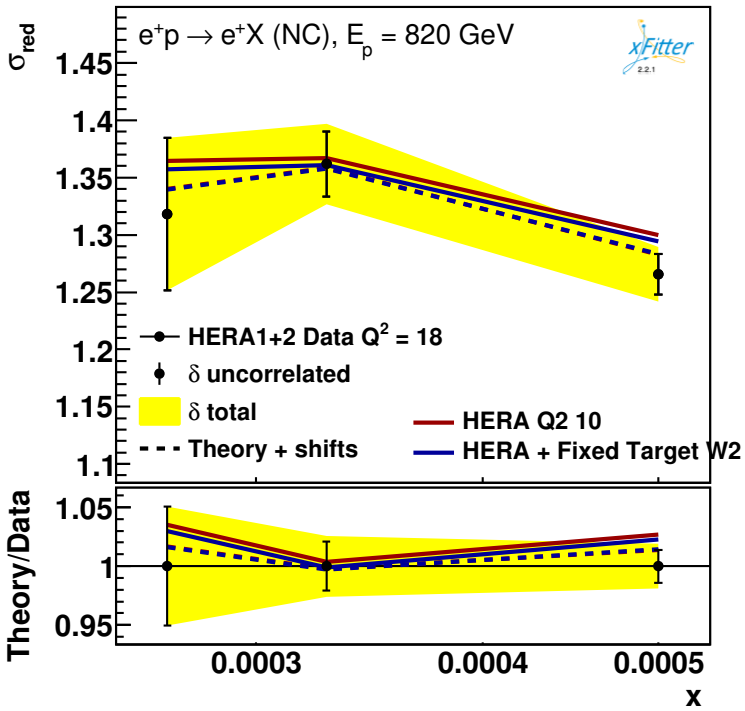

$Q^2 = m_Z^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$xu_V+d_V+2\Sigma(x,Q^2)/xu_V+d_V+2\Sigma(x,Q^2)_{ref}$
x
xFitter

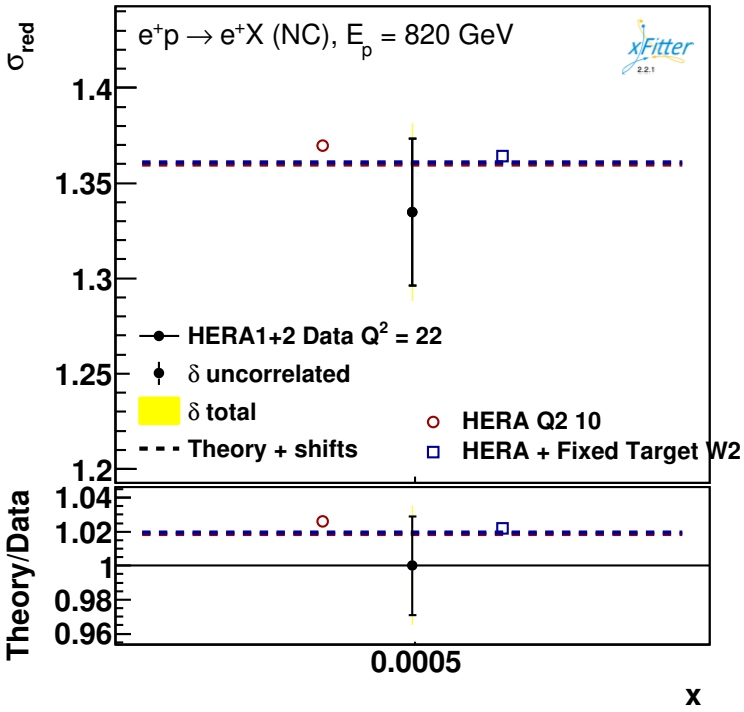

$Q^2 = m_Z^2$
HERA Q2 10
HERA + Fixed Target W2 Q2 10
MSHT
NNPDF
$x2/3u_V+1/3d_V(x,Q^2)/x2/3u_V+1/3d_V(x,Q^2)_{ref}$
x
xFitter

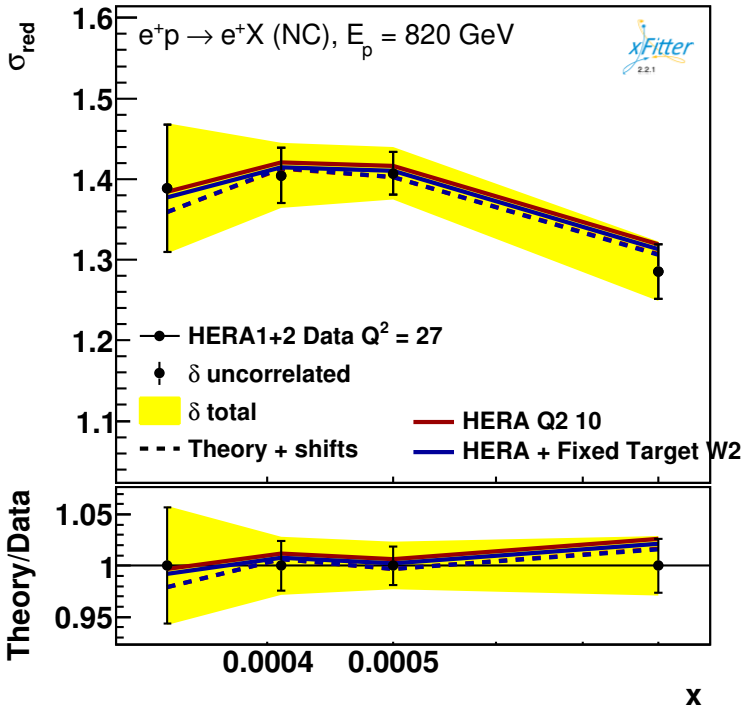

$e^+p \to e^+X$ (NC), E_p = 820 GeV
xFitter 2.2.1
σ_{red}
HERA1+2 Data Q^2 = 10
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

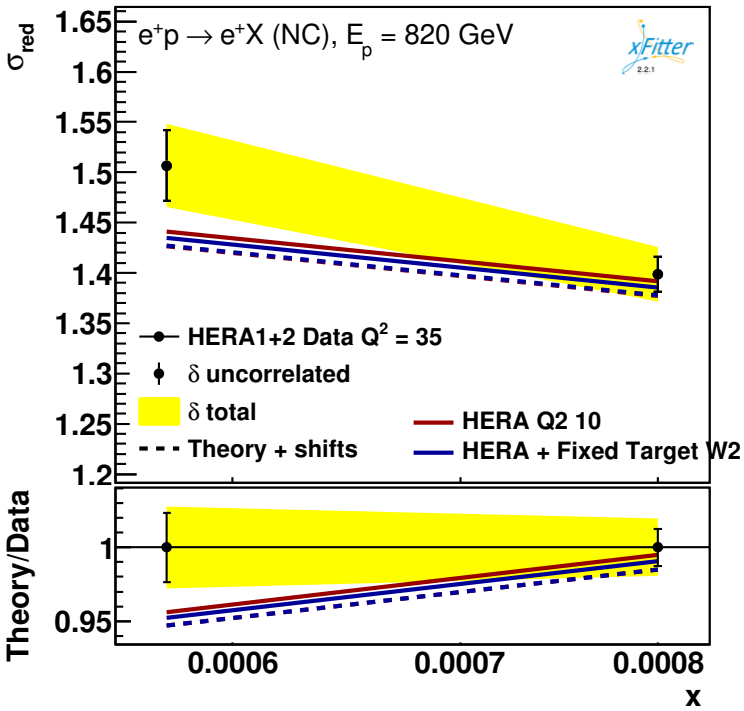

$e^+p \to e^+X$ (NC), E_p = 820 GeV
xFitter 2.2.1
σ_{red}
HERA1+2 Data Q^2 = 12
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

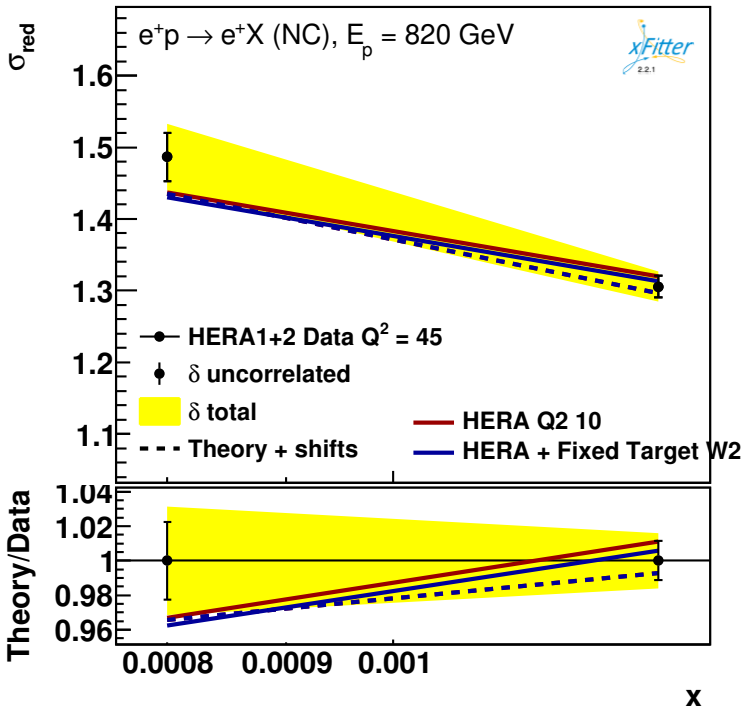

$e^+p \to e^+X$ (NC), E_p = 820 GeV
xFitter 2.2.1
σ_{red}
HERA1+2 Data Q^2 = 15
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

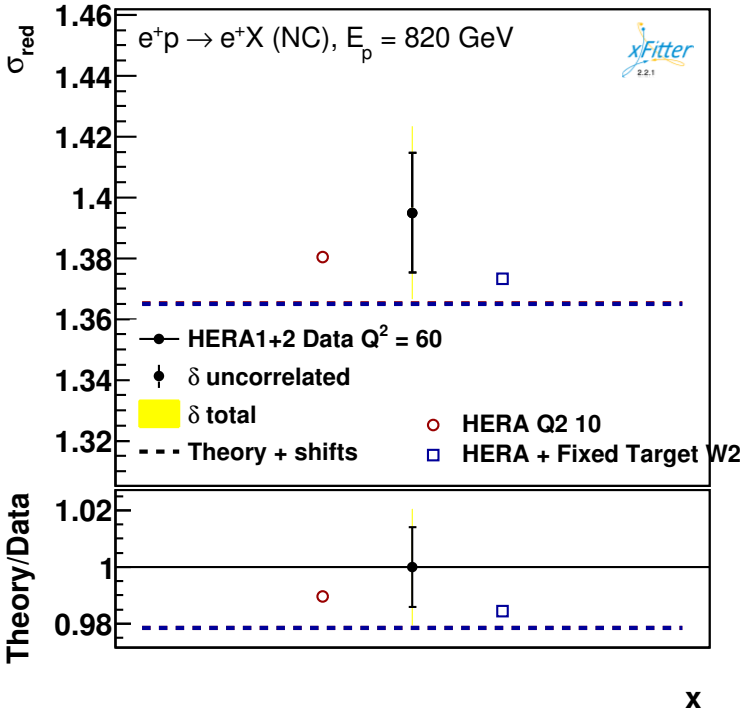

$e^+p \to e^+X$ (NC), E_p = 820 GeV
xFitter 2.2.1
σ_{red}
HERA1+2 Data Q^2 = 18
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

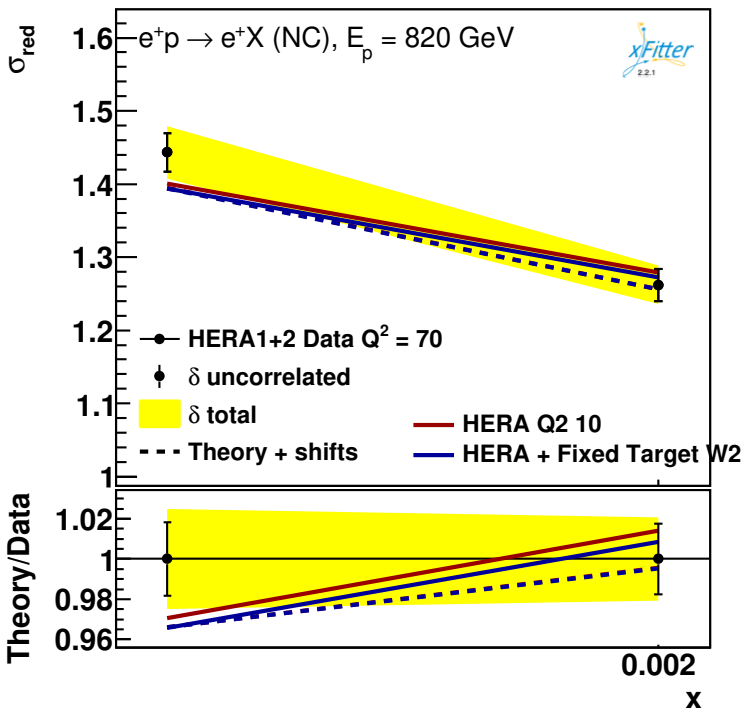

$e^+p \to e^+X$ (NC), E_p = 820 GeV
xFitter 2.2.1
σ_{red}
HERA1+2 Data Q^2 = 22
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

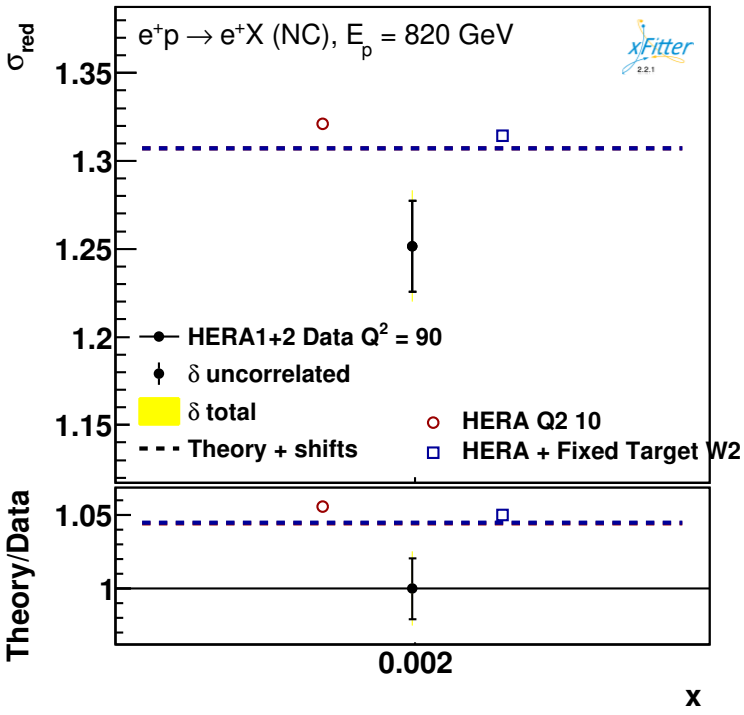

$e^+p \to e^+X$ (NC), E_p = 820 GeV
xFitter 2.2.1
σ_{red}
HERA1+2 Data Q^2 = 27
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

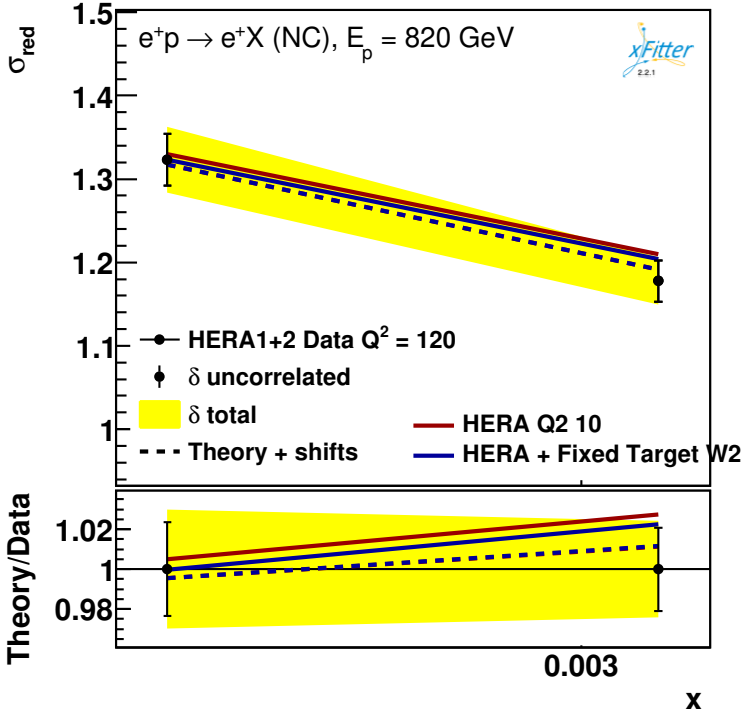

$e^+p \to e^+X$ (NC), E_p = 820 GeV
xFitter 2.2.1
σ_{red}
HERA1+2 Data Q^2 = 35
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

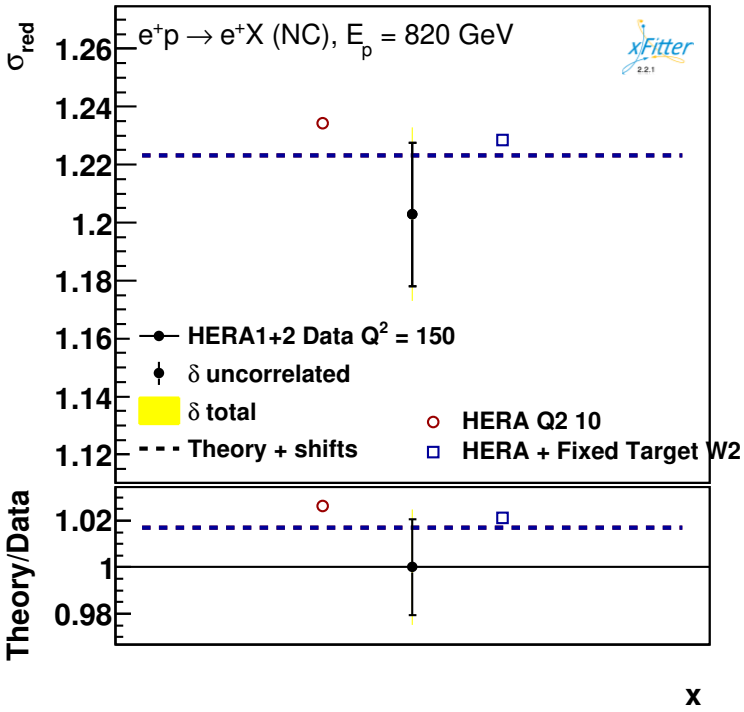

$e^+p \to e^+X$ (NC), E_p = 820 GeV
xFitter 2.2.1
σ_{red}
HERA1+2 Data Q^2 = 45
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

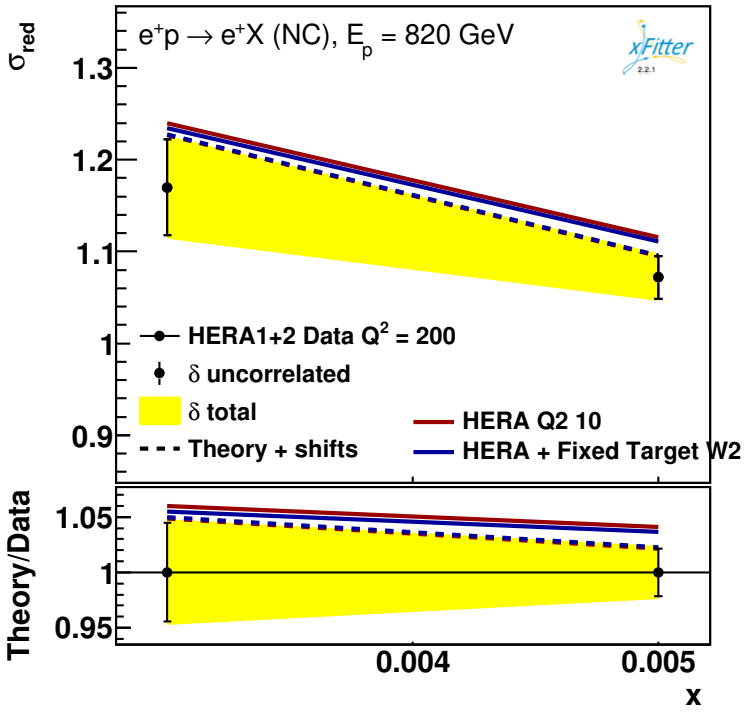

σ_{red}
$e^+p \to e^+X$ (NC), E_p = 820 GeV
xFitter 2.2.1
HERA1+2 Data Q^2 = 60
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

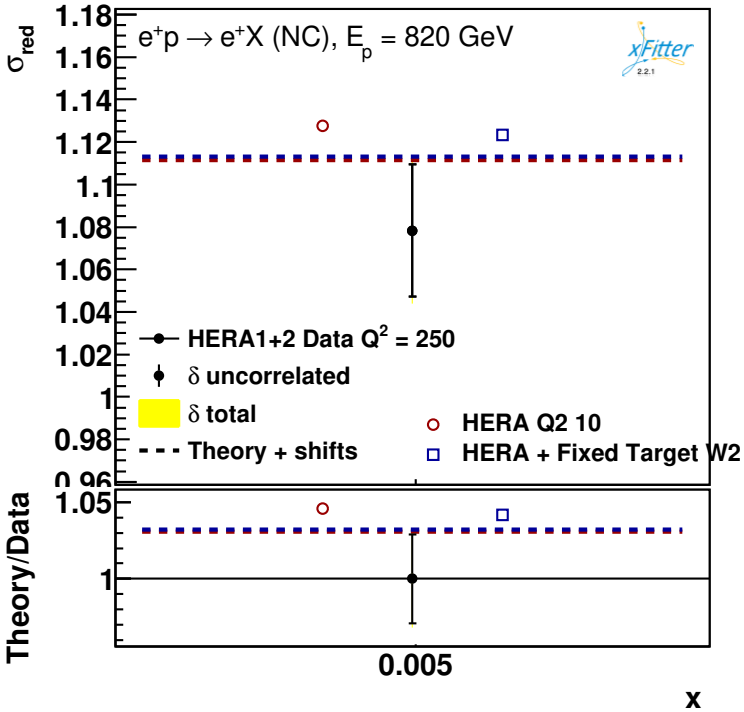

σ_{red}
$e^+p \to e^+X$ (NC), E_p = 820 GeV
xFitter 2.2.1
HERA1+2 Data Q^2 = 70
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
0.002
x

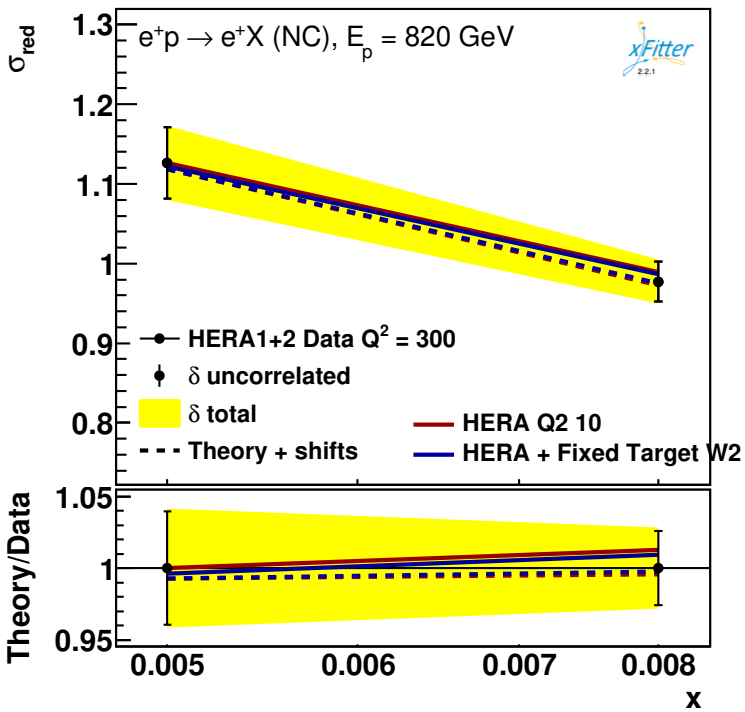

σ_{red}
$e^+p \to e^+X$ (NC), E_p = 820 GeV
xFitter 2.2.1
HERA1+2 Data Q^2 = 90
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
0.002
x

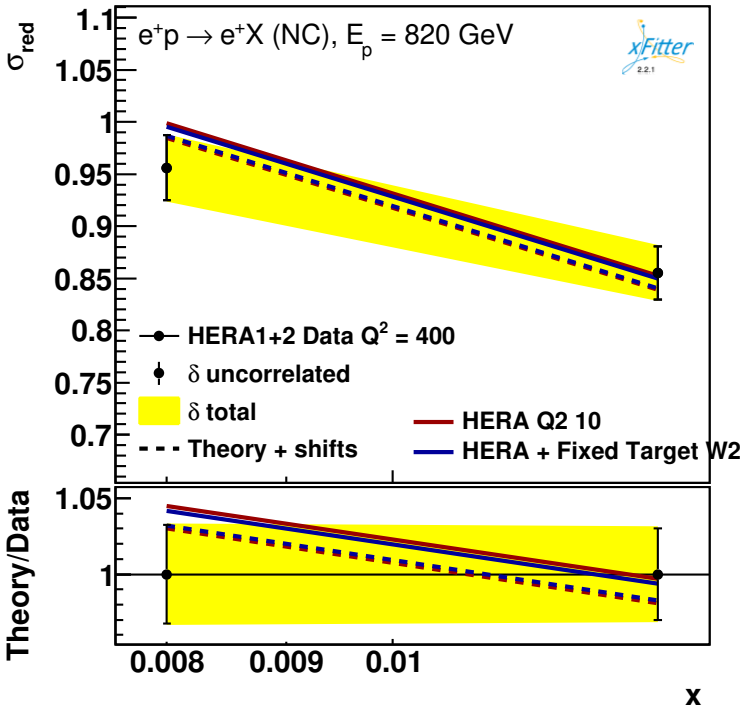

σ_{red}
$e^+p \to e^+X$ (NC), E_p = 820 GeV
xFitter 2.2.1
HERA1+2 Data Q^2 = 120
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
0.003
x

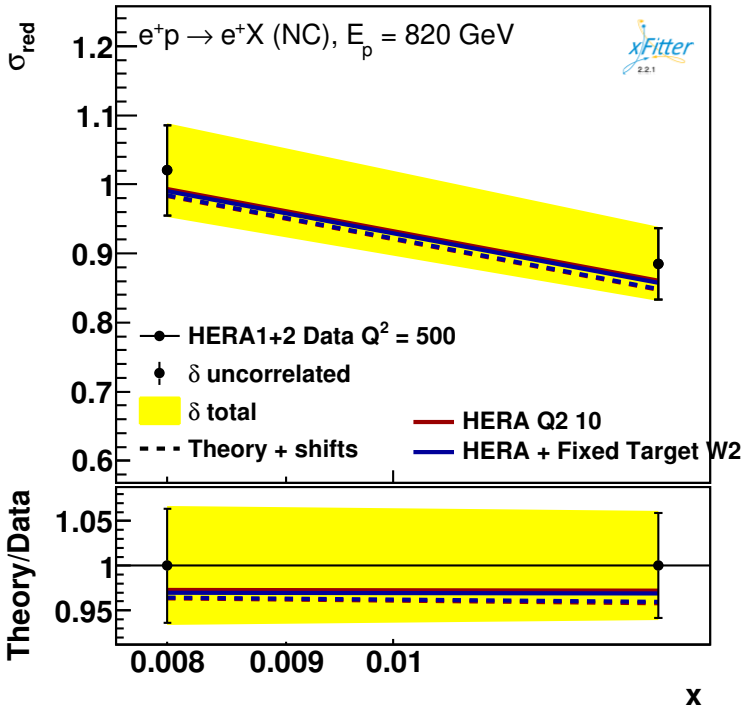

$e^+p \to e^+X$ (NC), E_p = 820 GeV
xFitter 2.2.1
σ_{red}
HERA1+2 Data Q^2 = 150
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

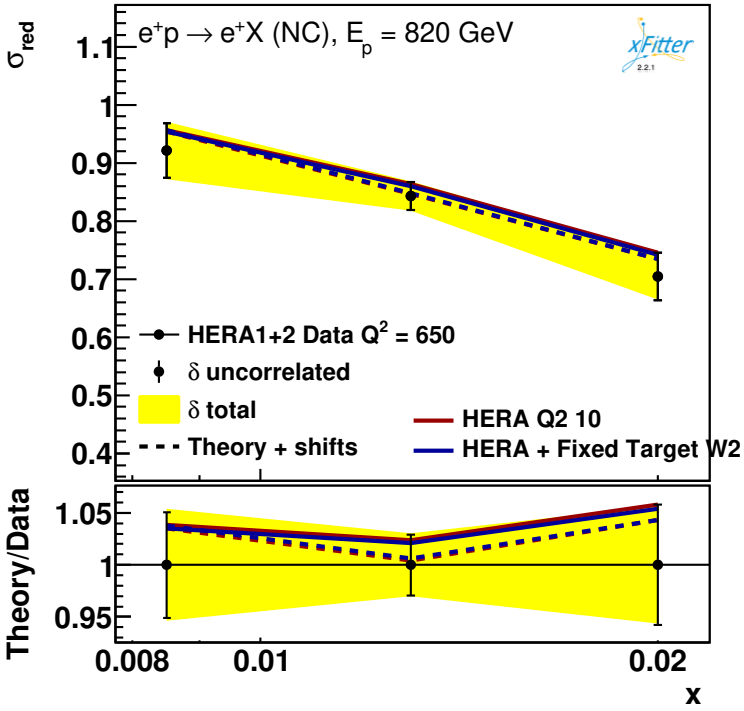

$e^+p \to e^+X$ (NC), E_p = 820 GeV
xFitter 2.2.1
σ_{red}
HERA1+2 Data Q^2 = 200
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
0.004
0.005
x

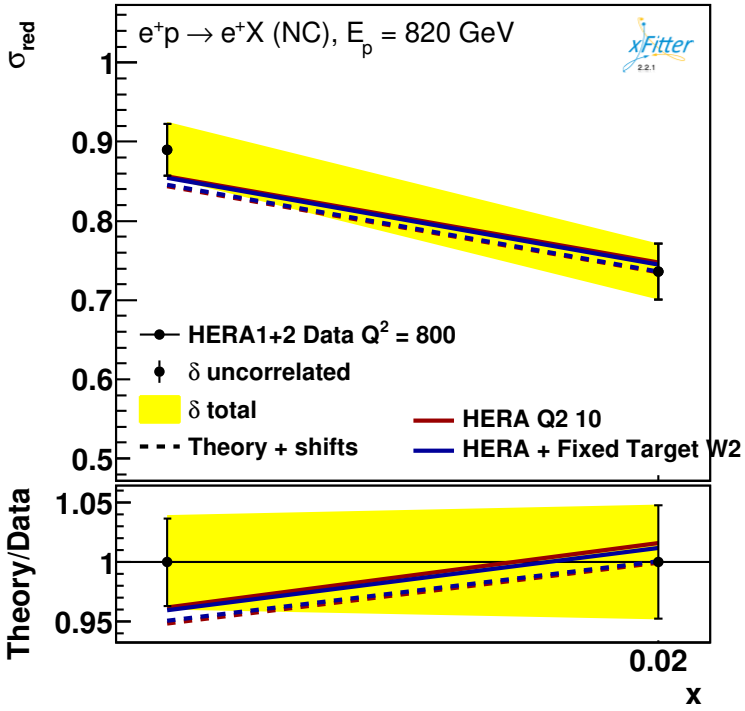

$e^+p \to e^+X$ (NC), E_p = 820 GeV
xFitter 2.2.1
σ_{red}
HERA1+2 Data Q^2 = 250
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
0.005
x

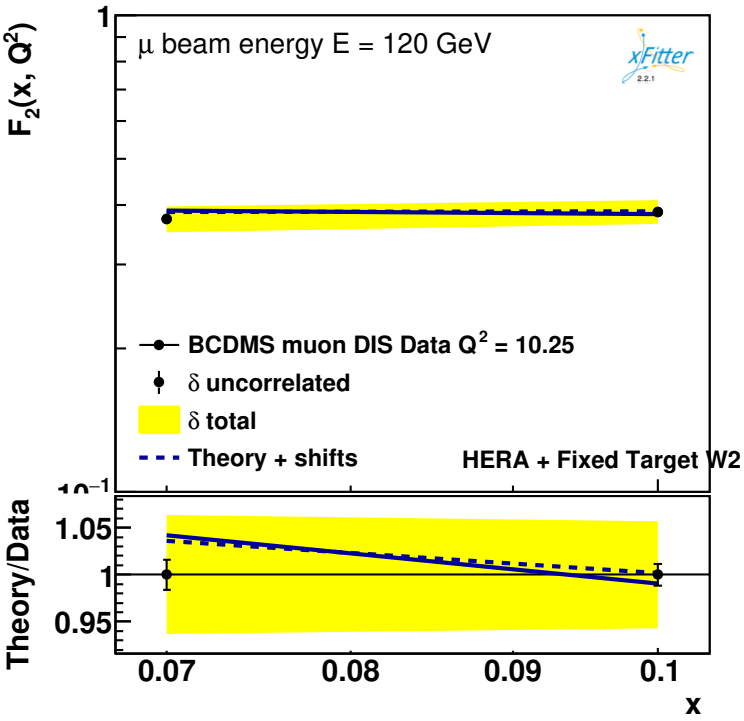

$e^+p \to e^+X$ (NC), E_p = 820 GeV
xFitter 2.2.1
σ_{red}
HERA1+2 Data Q^2 = 300
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
0.005
0.006
0.007
0.008
x

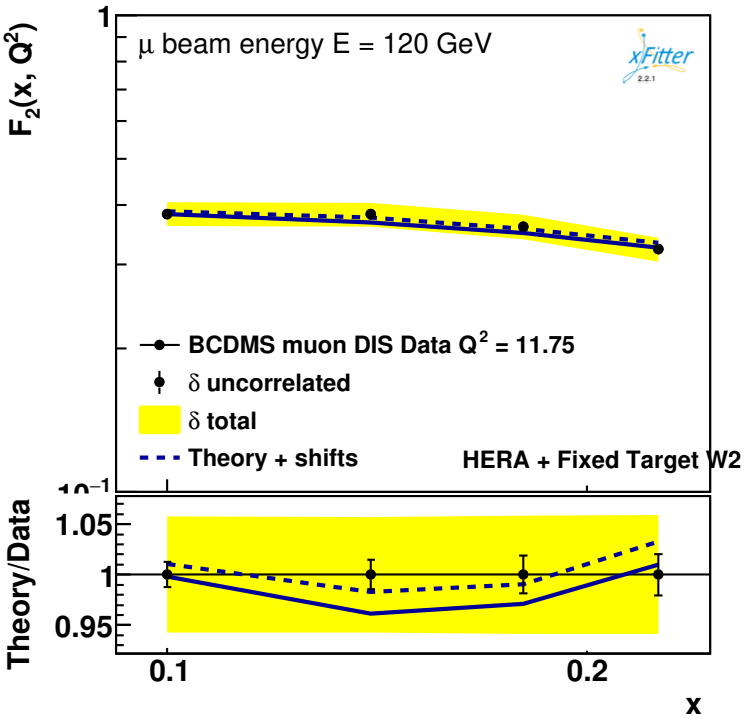

$e^+p \to e^+X$ (NC), E_p = 820 GeV
xFitter 2.2.1
σ_{red}
HERA1+2 Data Q^2 = 400
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

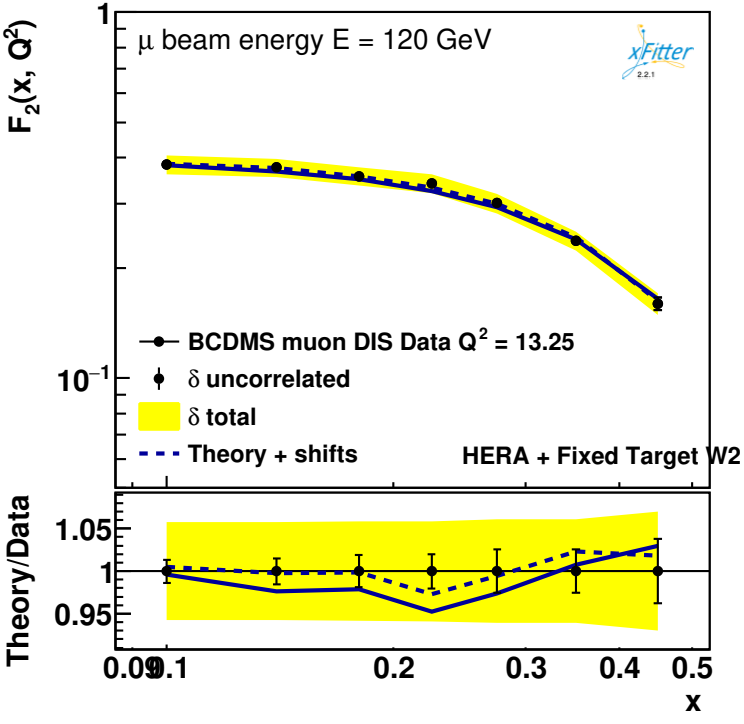

$e^+p \to e^+X$ (NC), E_p = 820 GeV
xFitter 2.2.1
σ_{red}
HERA1+2 Data Q^2 = 500
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

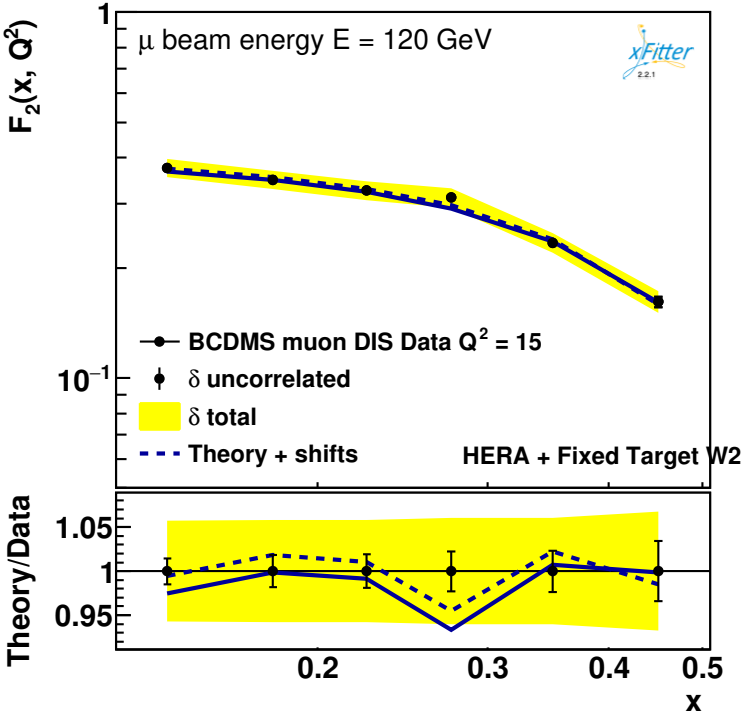

$e^+p \to e^+X$ (NC), E_p = 820 GeV
xFitter 2.2.1
σ_{red}
HERA1+2 Data Q^2 = 650
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

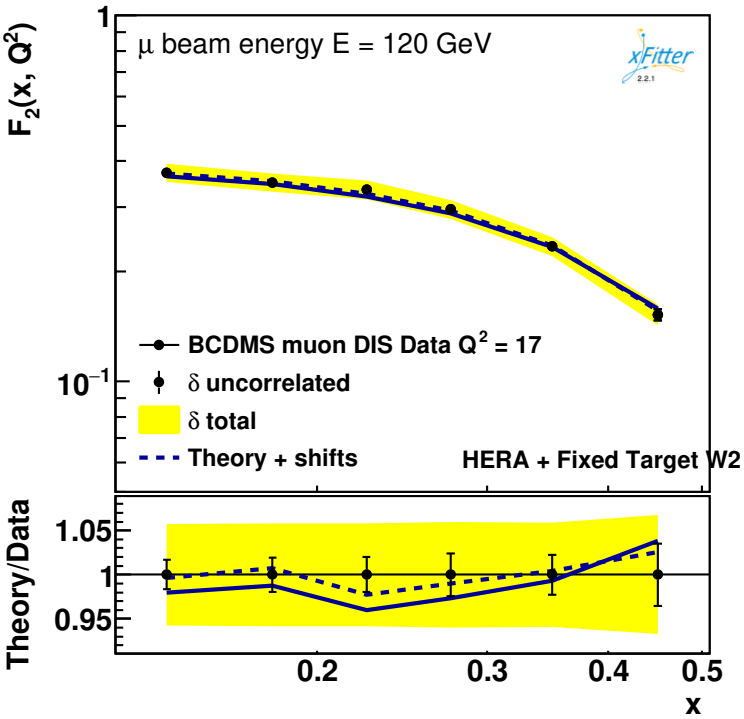

$e^+p \to e^+X$ (NC), E_p = 820 GeV
xFitter 2.2.1
σ_{red}
HERA1+2 Data Q^2 = 800
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

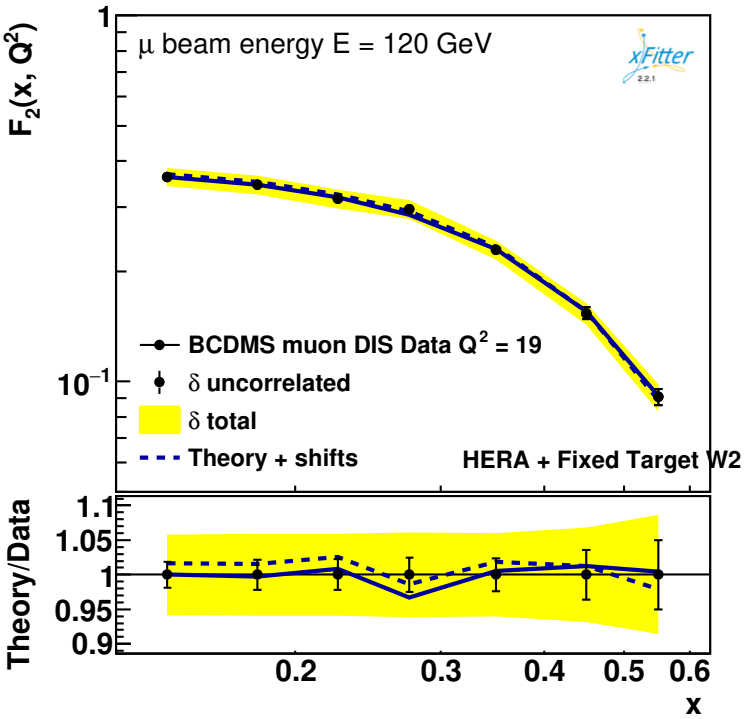

μ beam energy E = 120 GeV
xFitter 2.2.1
$F_2(x, Q^2)$
BCDMS muon DIS Data Q^2 = 10.25
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
1.05
1
0.95
0.07
0.08
0.09
0.1
x

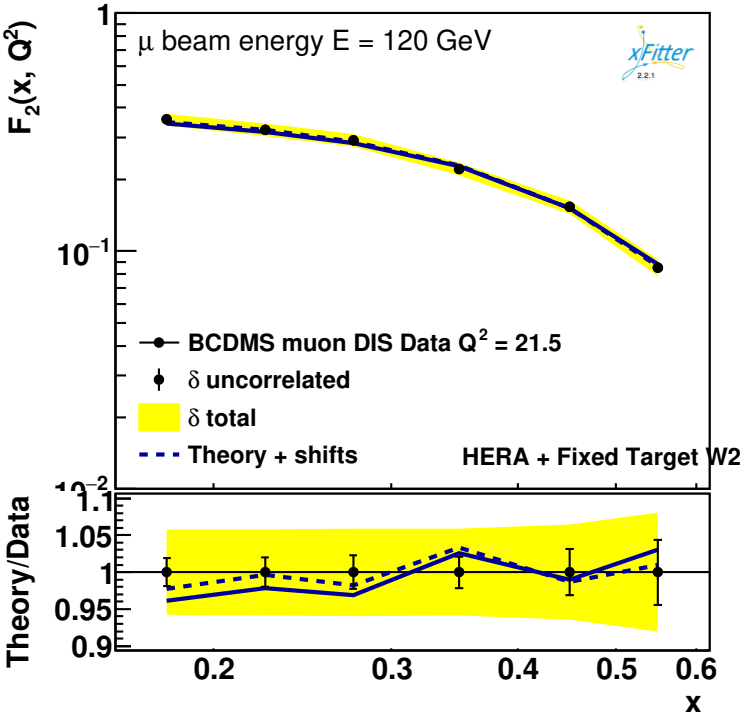

μ beam energy E = 120 GeV
xFitter 2.2.1
$F_2(x, Q^2)$
BCDMS muon DIS Data Q^2 = 11.75
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
1.05
1
0.95
0.1
0.2
x

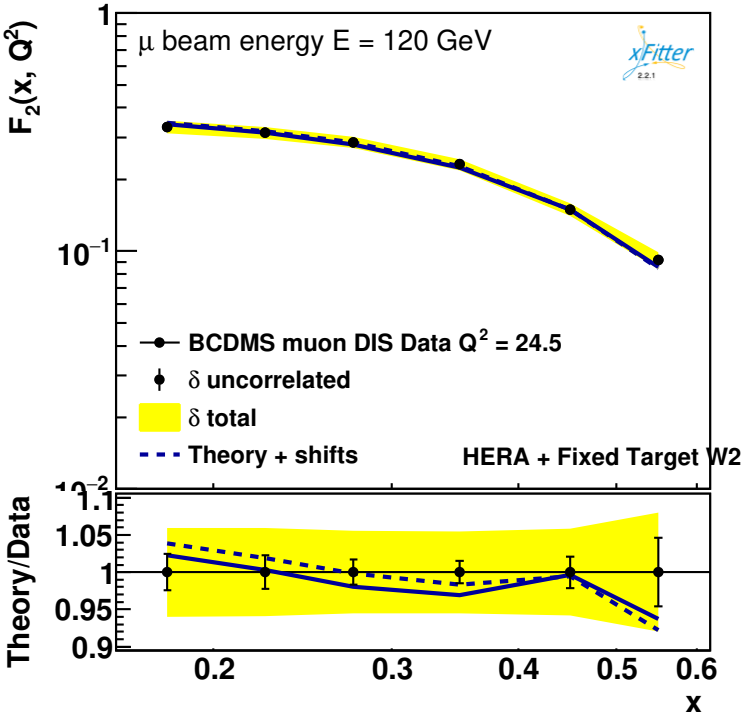

μ beam energy E = 120 GeV
xFitter 2.2.1
$F_2(x, Q^2)$
BCDMS muon DIS Data Q^2 = 13.25
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
1.05
1
0.95
0.09
0.1
0.2
0.3
0.4
0.5
x

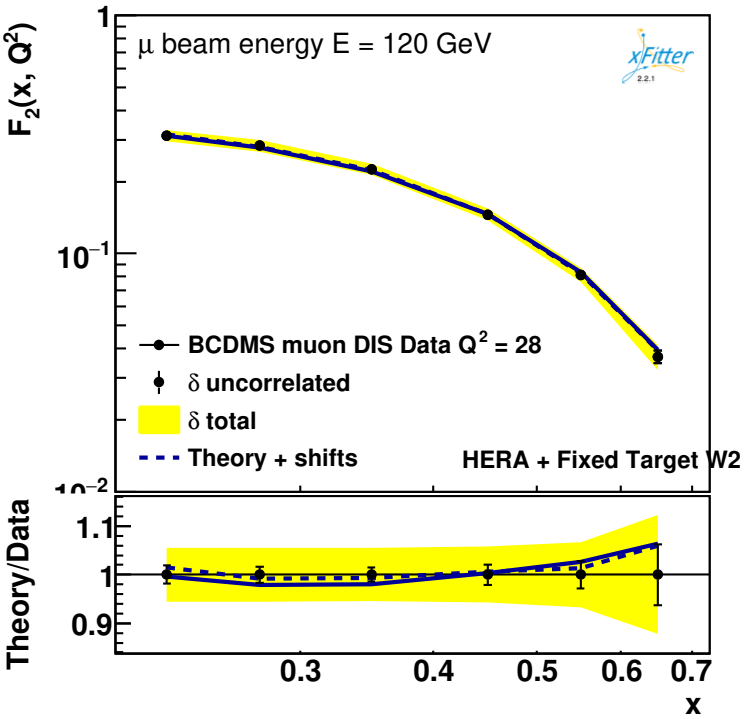

μ beam energy E = 120 GeV
xFitter 2.2.1
$F_2(x, Q^2)$
BCDMS muon DIS Data Q^2 = 15
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
1.05
1
0.95
0.2
0.3
0.4
0.5
x

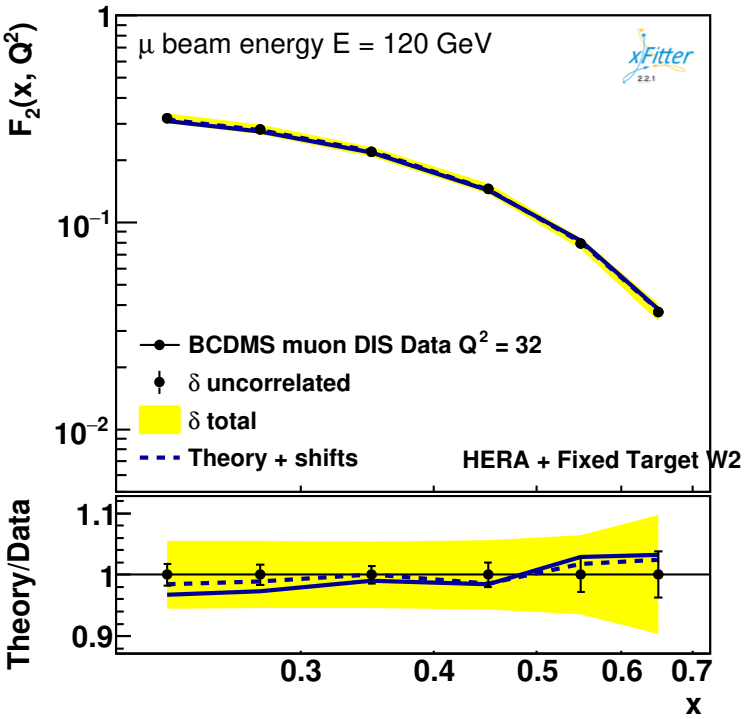

μ beam energy E = 120 GeV
xFitter 2.2.1
$F_2(x, Q^2)$
BCDMS muon DIS Data Q^2 = 17
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
x

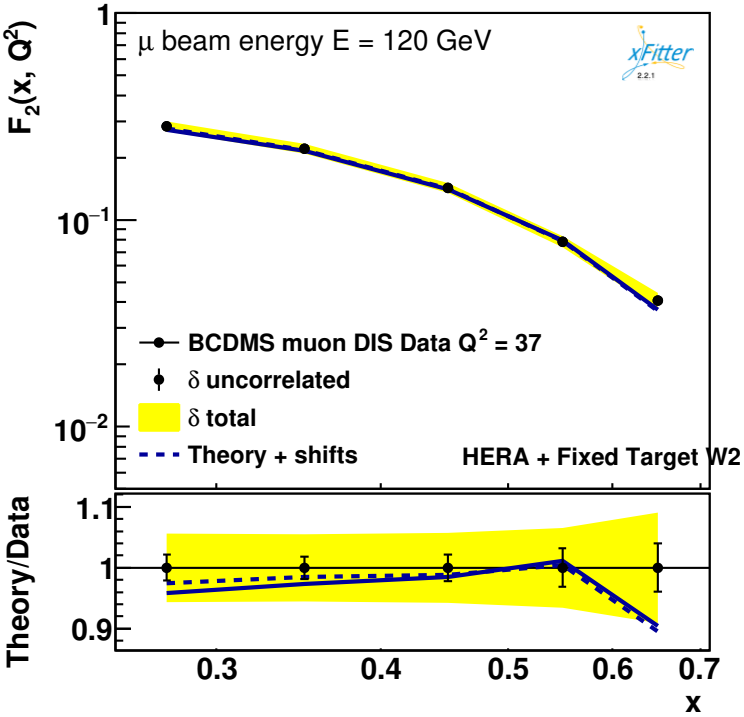

μ beam energy E = 120 GeV
xFitter 2.2.1
$F_2(x, Q^2)$
BCDMS muon DIS Data Q^2 = 19
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
x

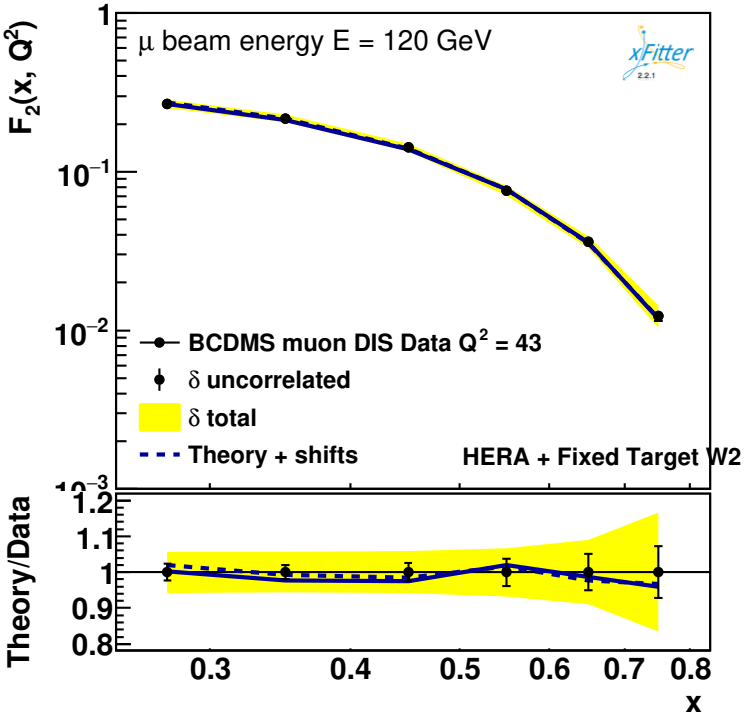

μ beam energy E = 120 GeV
xFitter 2.2.1
$F_2(x, Q^2)$
BCDMS muon DIS Data Q^2 = 21.5
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
x

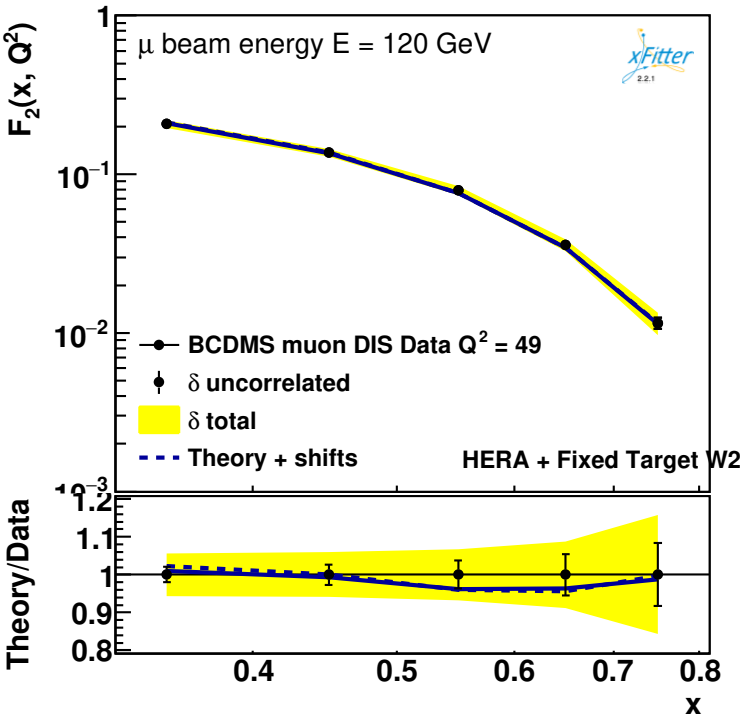

μ beam energy E = 120 GeV
xFitter 2.2.1
$F_2(x, Q^2)$
BCDMS muon DIS Data Q^2 = 24.5
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
x

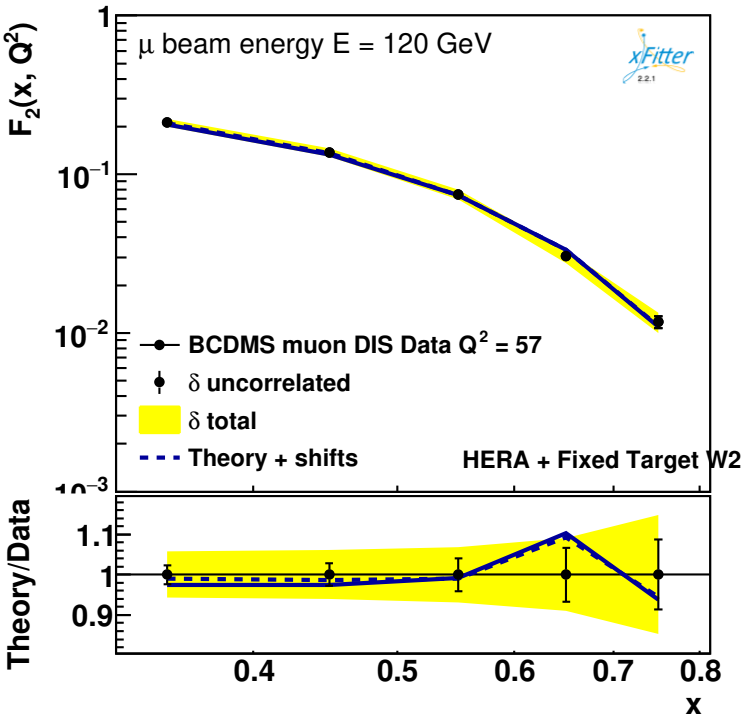

μ beam energy E = 120 GeV
xFitter 2.2.1
$F_2(x, Q^2)$
BCDMS muon DIS Data Q^2 = 28
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
x

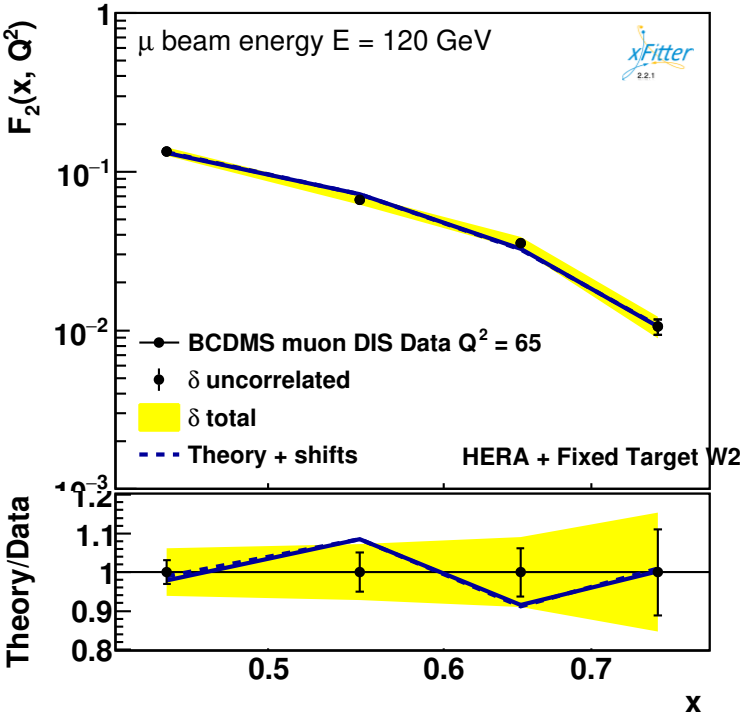

μ beam energy E = 120 GeV
xFitter 2.2.1
$F_2(x, Q^2)$
BCDMS muon DIS Data Q^2 = 32
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
x

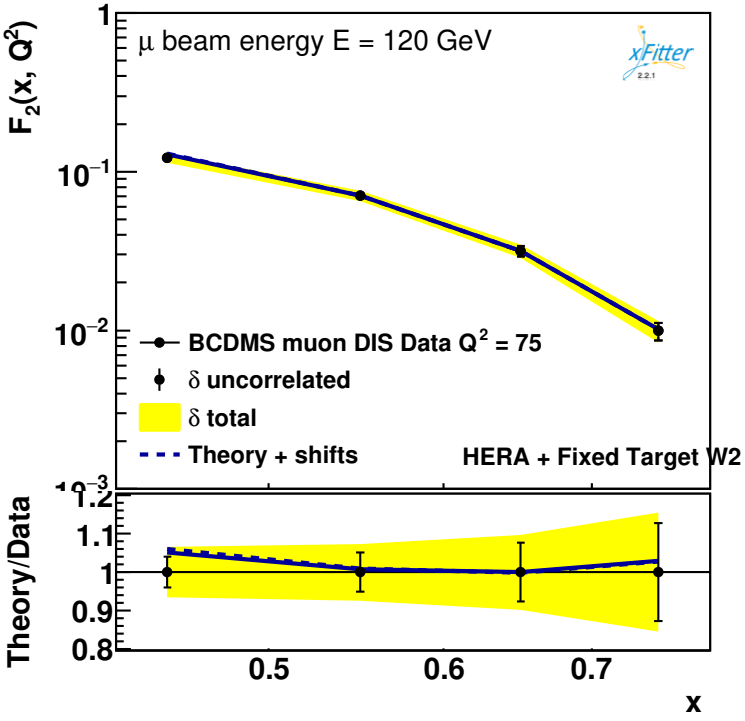

μ beam energy E = 120 GeV
xFitter 2.2.1
$F_2(x, Q^2)$
BCDMS muon DIS Data Q^2 = 37
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
x

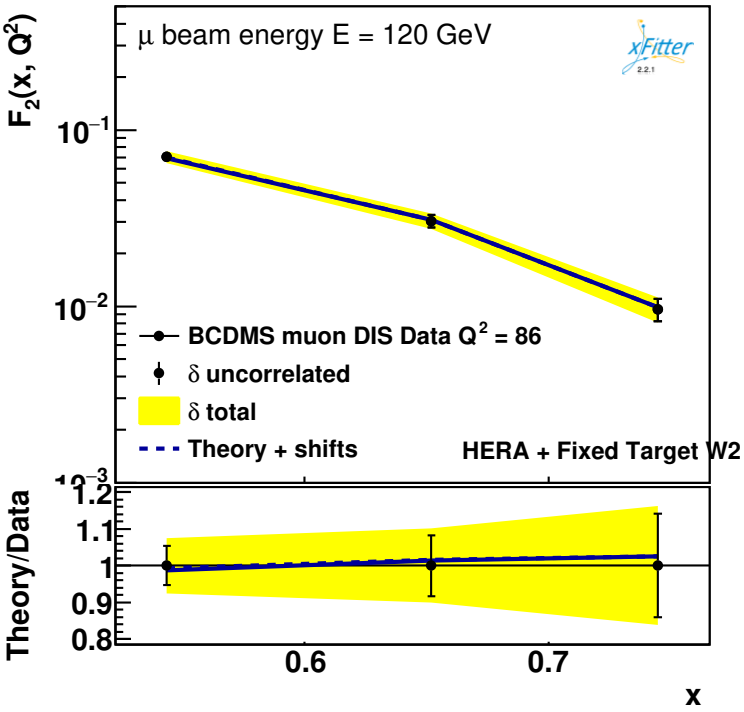

μ beam energy E = 120 GeV
xFitter 2.2.1
$F_2(x, Q^2)$
BCDMS muon DIS Data Q^2 = 43
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
x

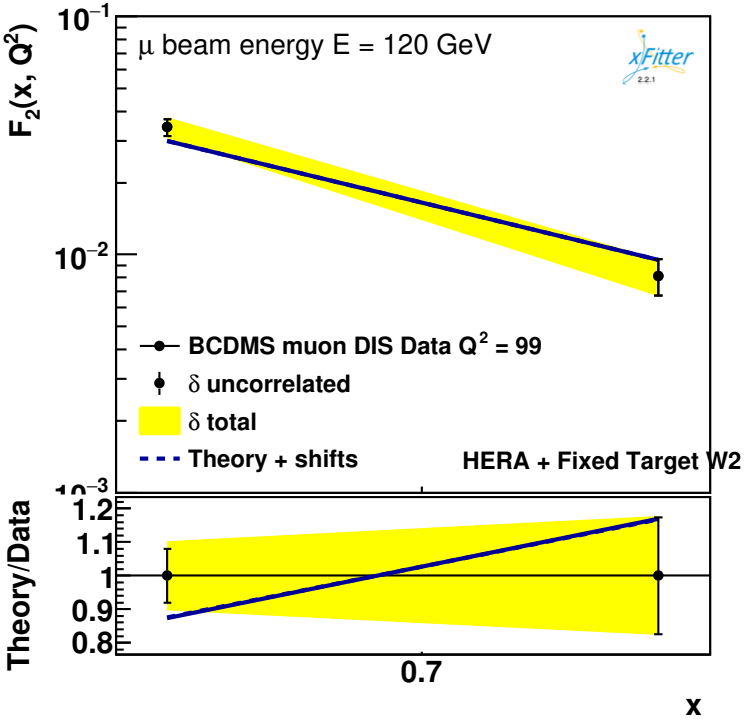

μ beam energy E = 120 GeV
xFitter 2.2.1
$F_2(x, Q^2)$
BCDMS muon DIS Data Q^2 = 49
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
x

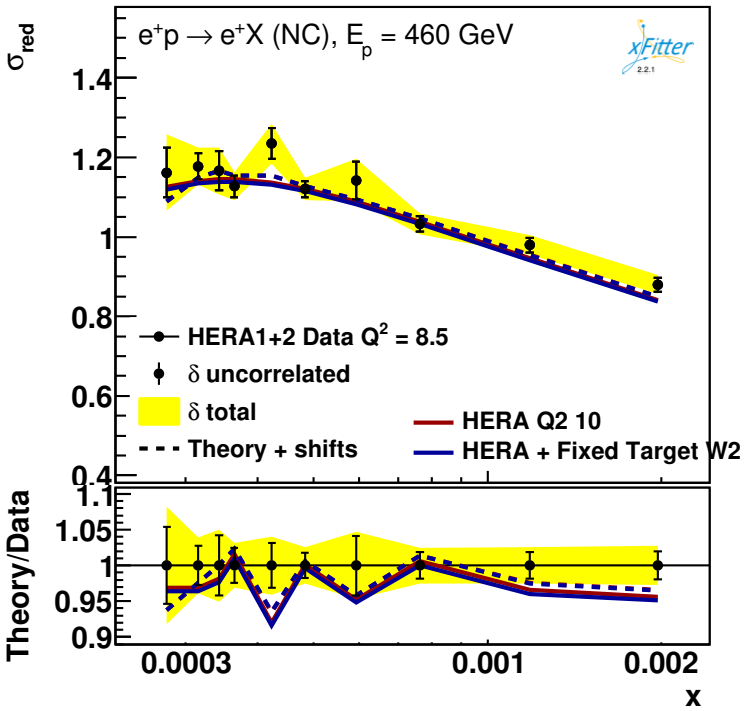

μ beam energy E = 120 GeV
xFitter 2.2.1
$F_2(x, Q^2)$
BCDMS muon DIS Data Q^2 = 57
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
x

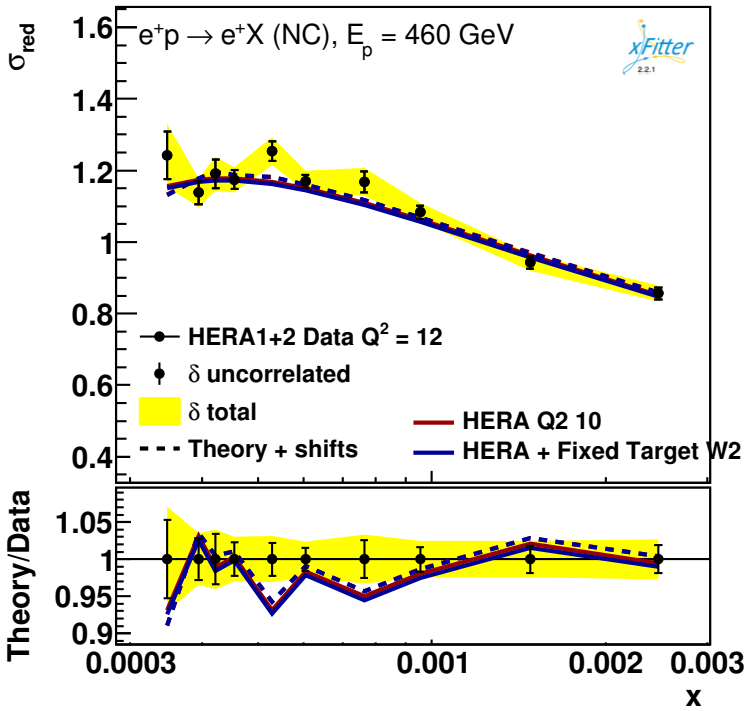

μ beam energy E = 120 GeV
xFitter 2.2.1
$F_2(x, Q^2)$
BCDMS muon DIS Data Q^2 = 65
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
x

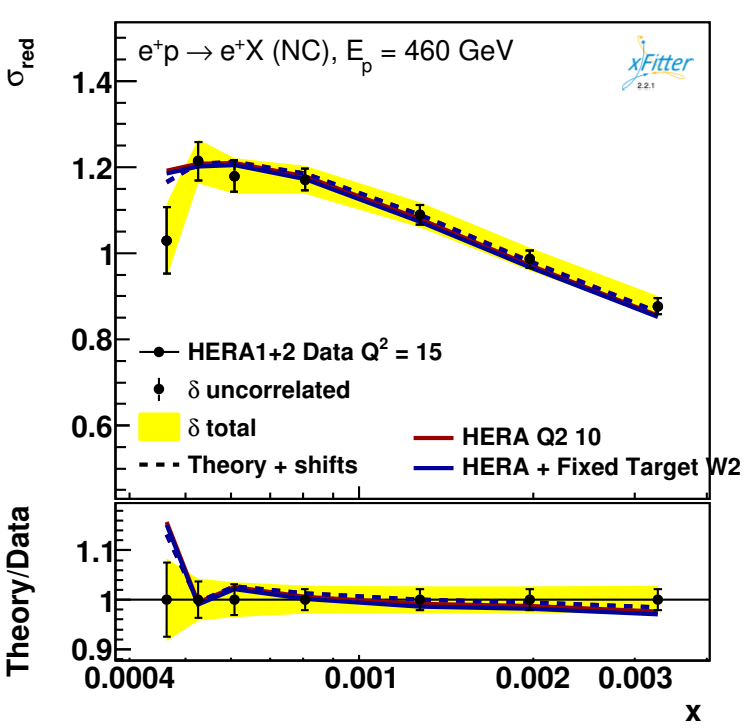

μ beam energy E = 120 GeV
xFitter 2.2.1
$F_2(x, Q^2)$
BCDMS muon DIS Data Q^2 = 75
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
x

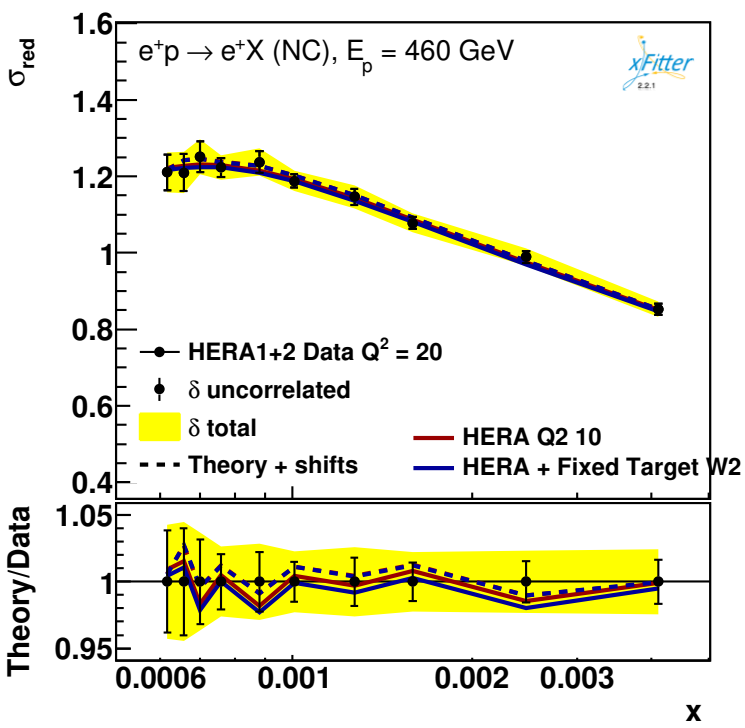

μ beam energy E = 120 GeV
xFitter 2.2.1
$F_2(x, Q^2)$
BCDMS muon DIS Data Q^2 = 86
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
x

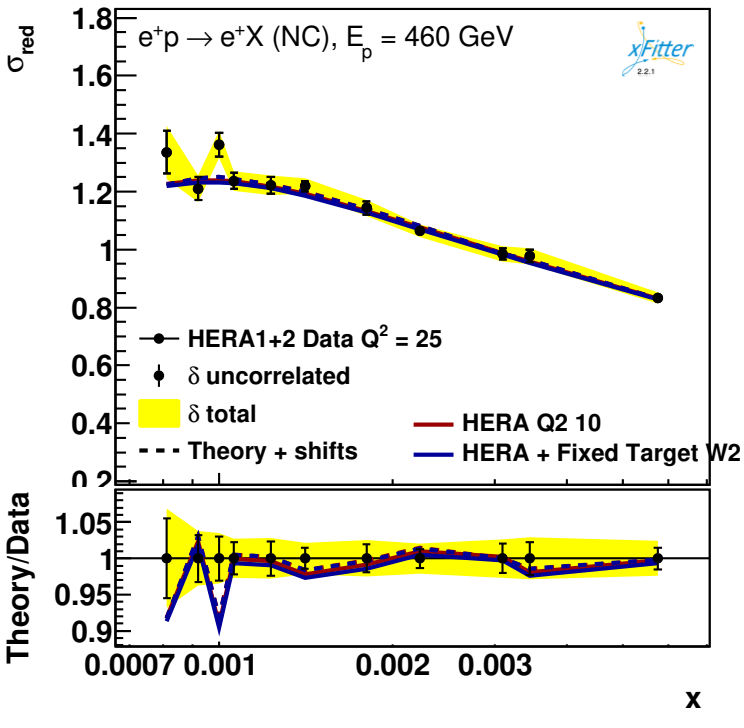

μ beam energy E = 120 GeV
xFitter 2.2.1
$F_2(x, Q^2)$
BCDMS muon DIS Data Q^2 = 99
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
x

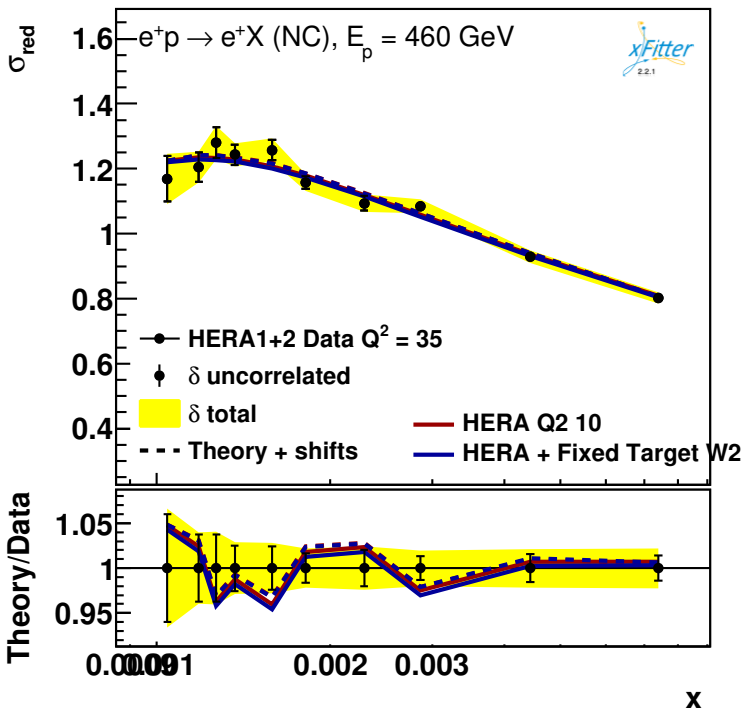

$e^+p \rightarrow e^+X$ (NC), E_p = 460 GeV
xFitter 2.2.1
σ_{red}
HERA1+2 Data Q^2 = 8.5
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

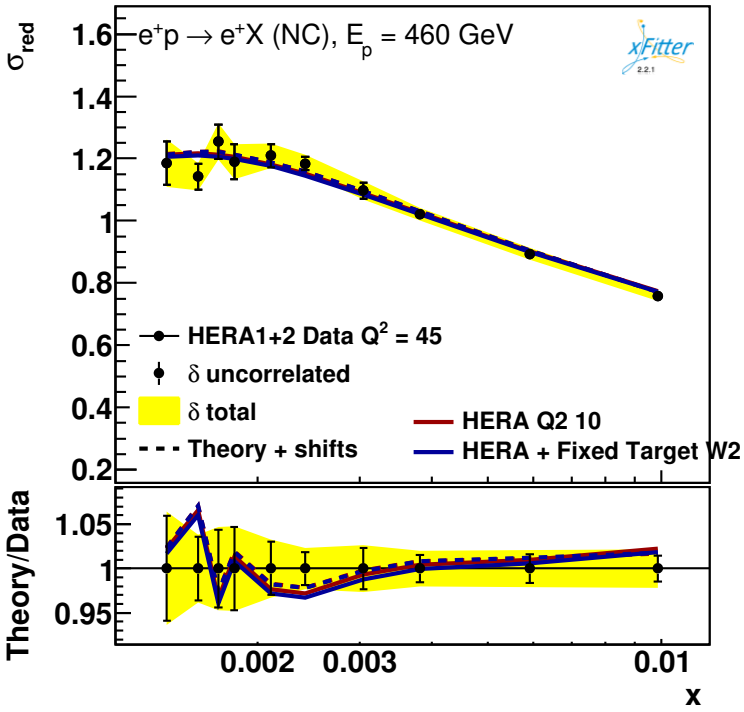

$e^+p \rightarrow e^+X$ (NC), E_p = 460 GeV
xFitter 2.2.1
σ_{red}
HERA1+2 Data Q^2 = 12
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

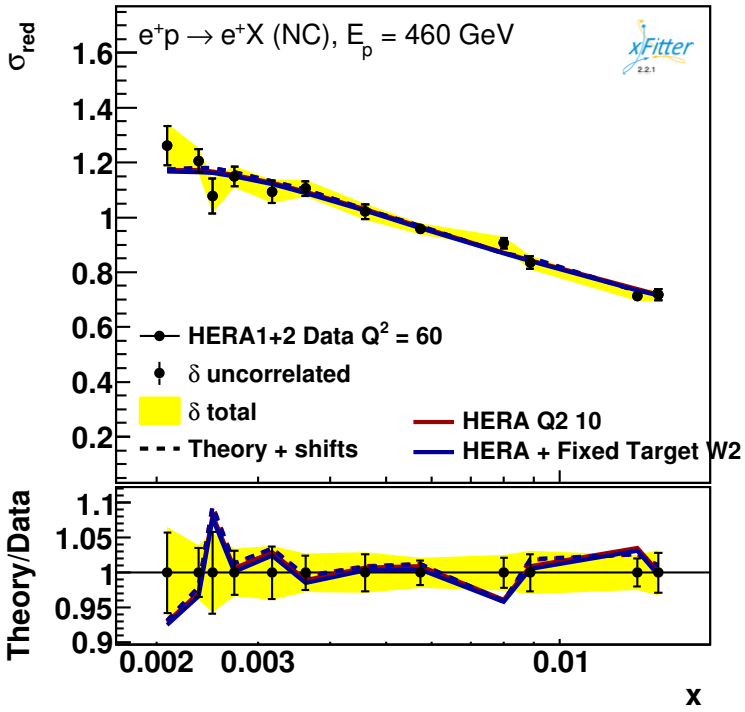

$e^+p \to e^+X$ (NC), E_p = 460 GeV
xFitter 2.2.1
σ_{red}
HERA1+2 Data Q^2 = 15
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

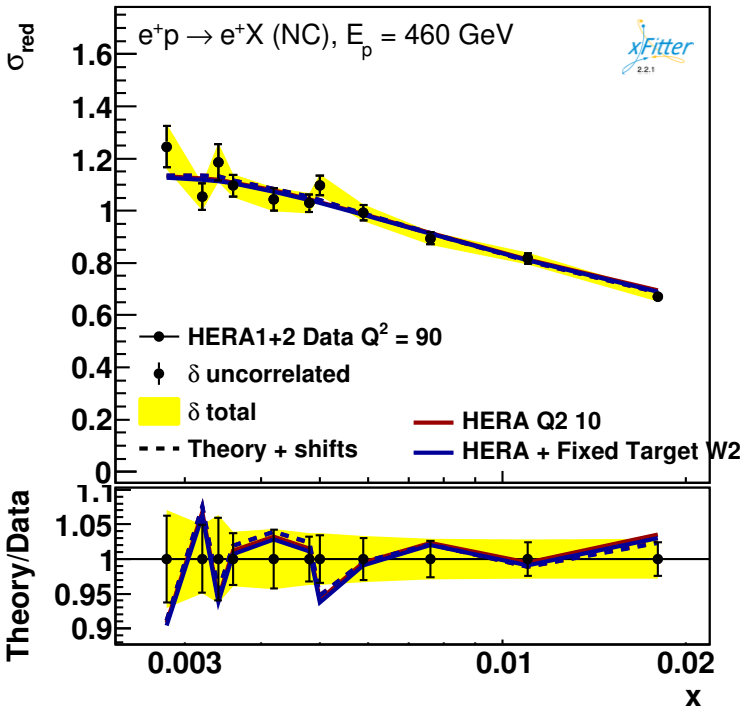

$e^+p \to e^+X$ (NC), E_p = 460 GeV
xFitter 2.2.1
σ_{red}
HERA1+2 Data Q^2 = 20
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

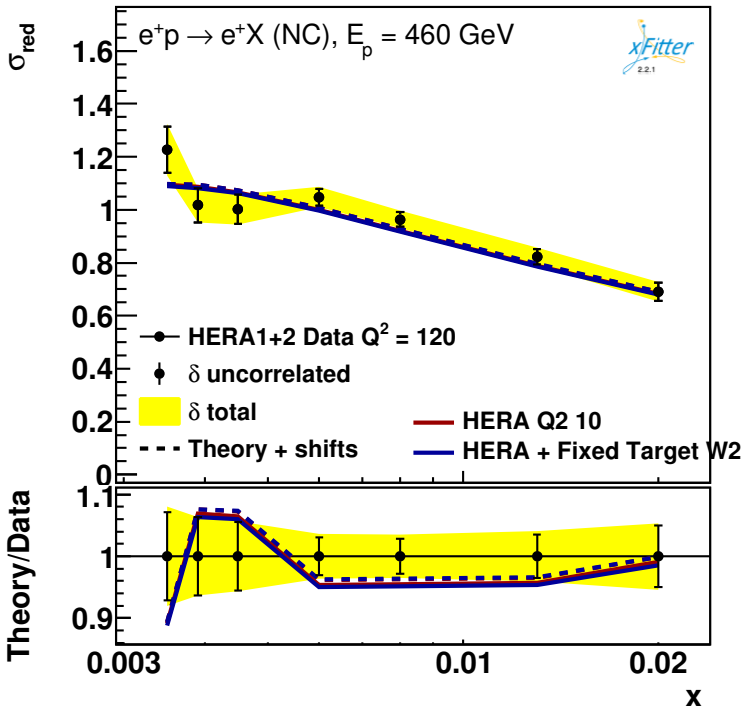

$e^+p \to e^+X$ (NC), E_p = 460 GeV
xFitter 2.2.1
σ_{red}
HERA1+2 Data Q^2 = 25
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

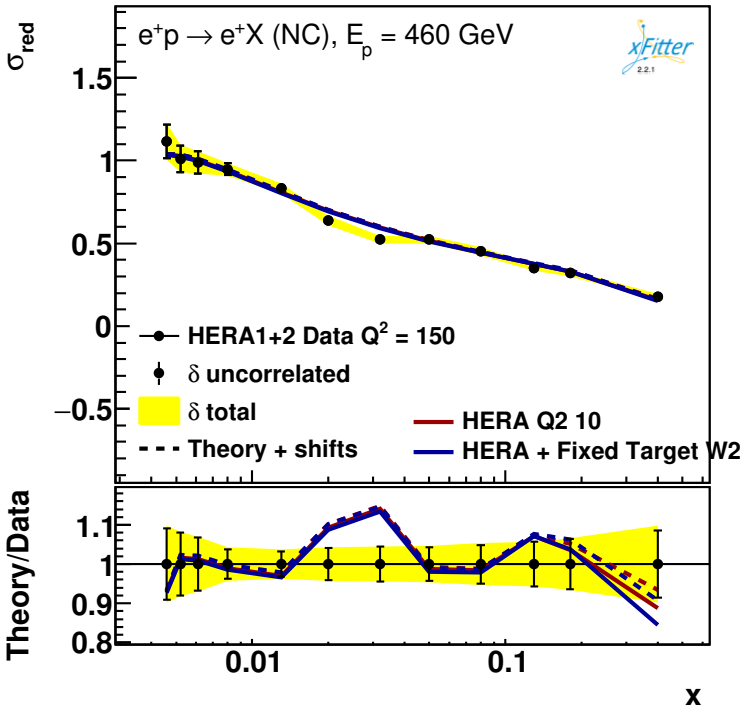

$e^+p \to e^+X$ (NC), E_p = 460 GeV
xFitter 2.2.1
σ_{red}
HERA1+2 Data Q^2 = 35
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

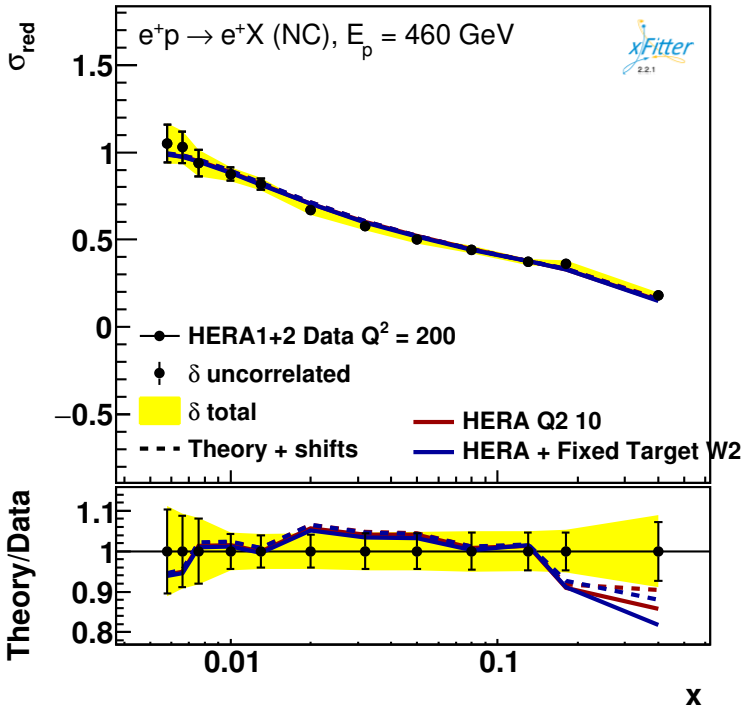

$e^+p \to e^+X$ (NC), E_p = 460 GeV
xFitter 2.2.1
σ_{red}
HERA1+2 Data Q^2 = 45
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

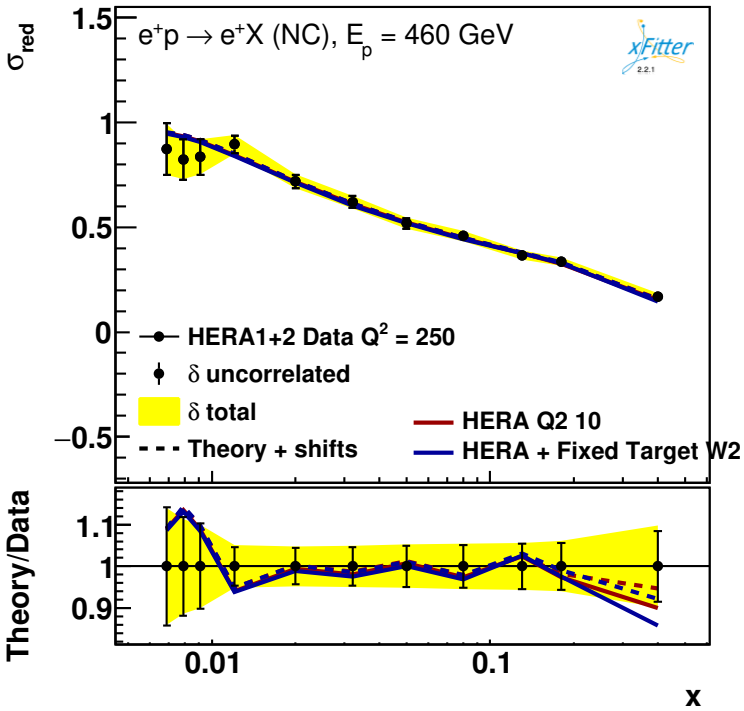

$e^+p \to e^+X$ (NC), E_p = 460 GeV
xFitter 2.2.1
σ_{red}
HERA1+2 Data Q^2 = 60
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

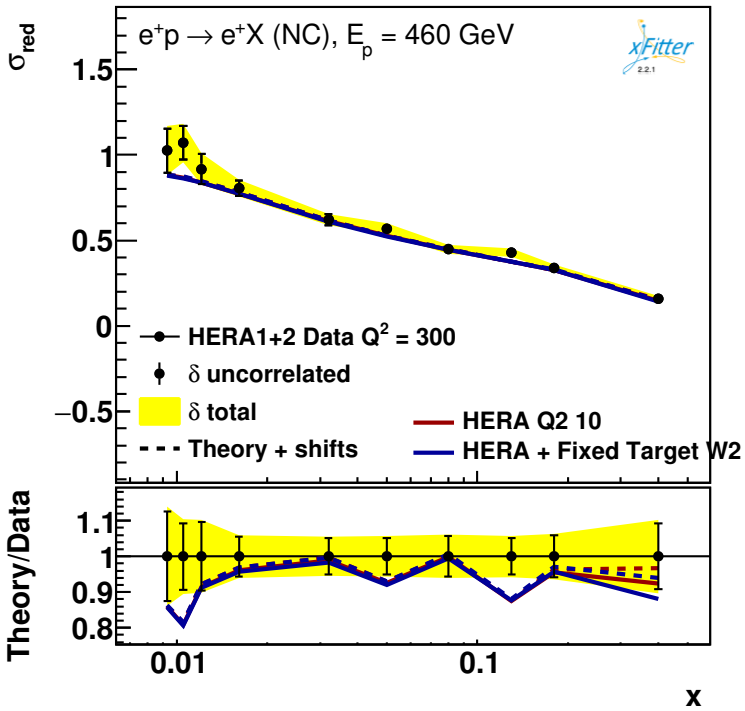

$e^+p \to e^+X$ (NC), E_p = 460 GeV
xFitter 2.2.1
σ_{red}
HERA1+2 Data Q^2 = 90
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

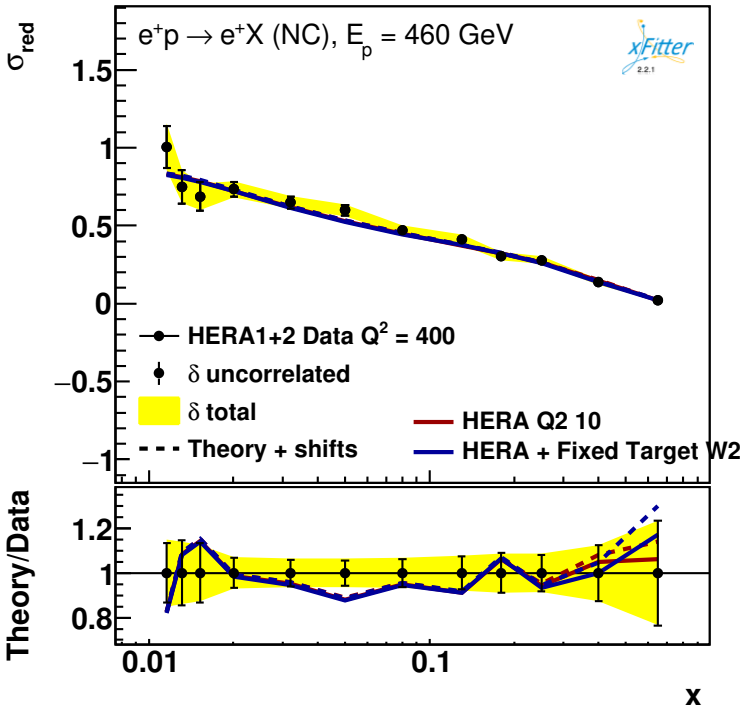

$e^+p \to e^+X$ (NC), E_p = 460 GeV
xFitter 2.2.1
σ_{red}
HERA1+2 Data Q^2 = 120
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

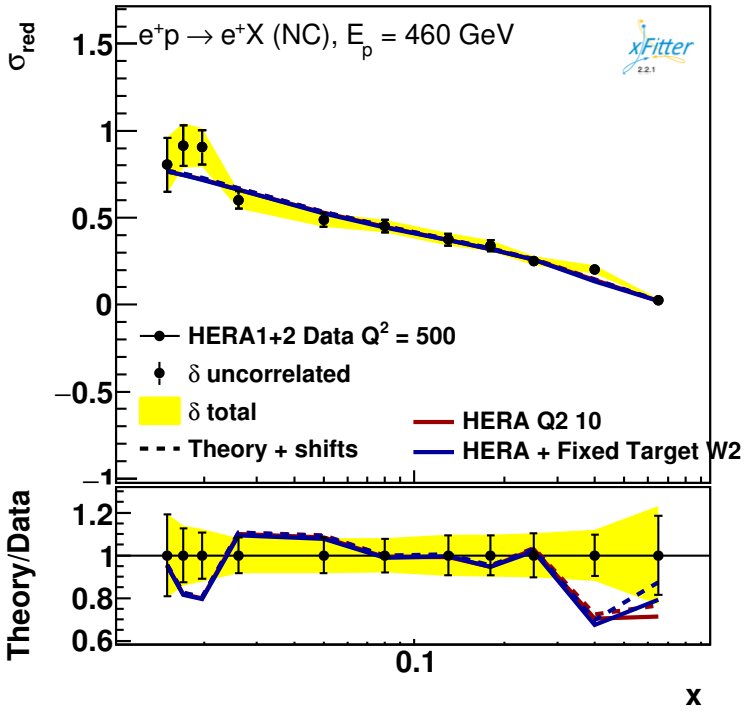

$e^+p \to e^+X$ (NC), E_p = 460 GeV
xFitter 2.2.1
σ_{red}
HERA1+2 Data Q^2 = 150
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

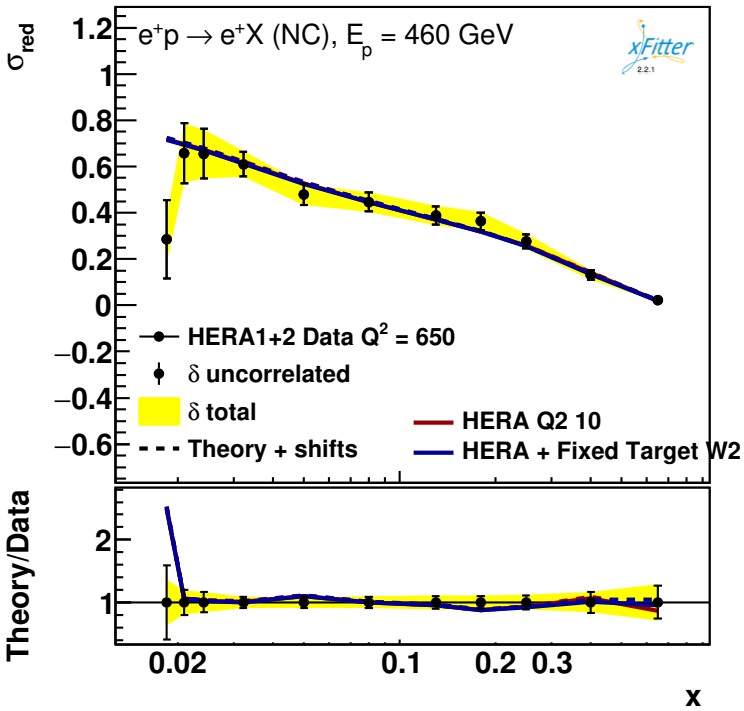

$e^+p \to e^+X$ (NC), E_p = 460 GeV
xFitter 2.2.1
σ_{red}
HERA1+2 Data Q^2 = 200
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

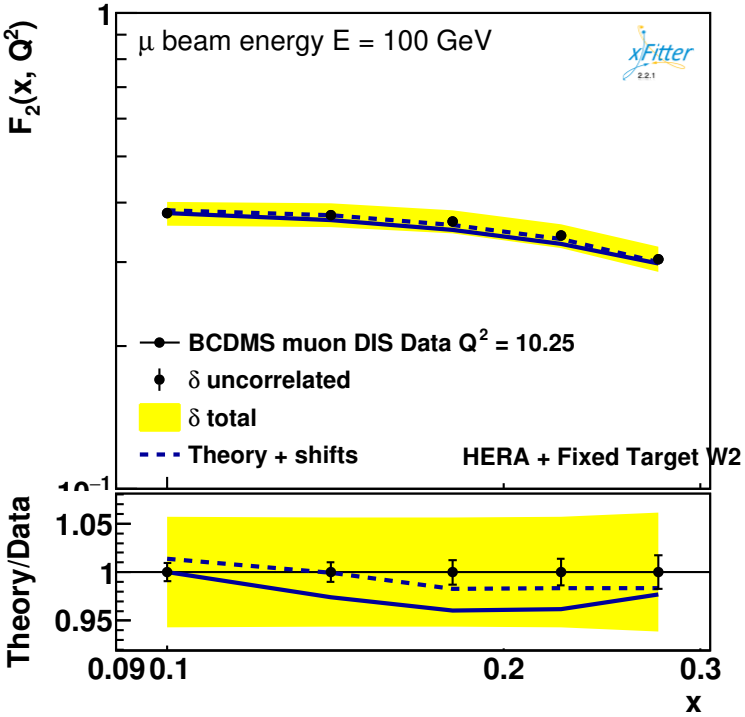

$e^+p \to e^+X$ (NC), E_p = 460 GeV
xFitter 2.2.1
σ_{red}
HERA1+2 Data Q^2 = 250
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

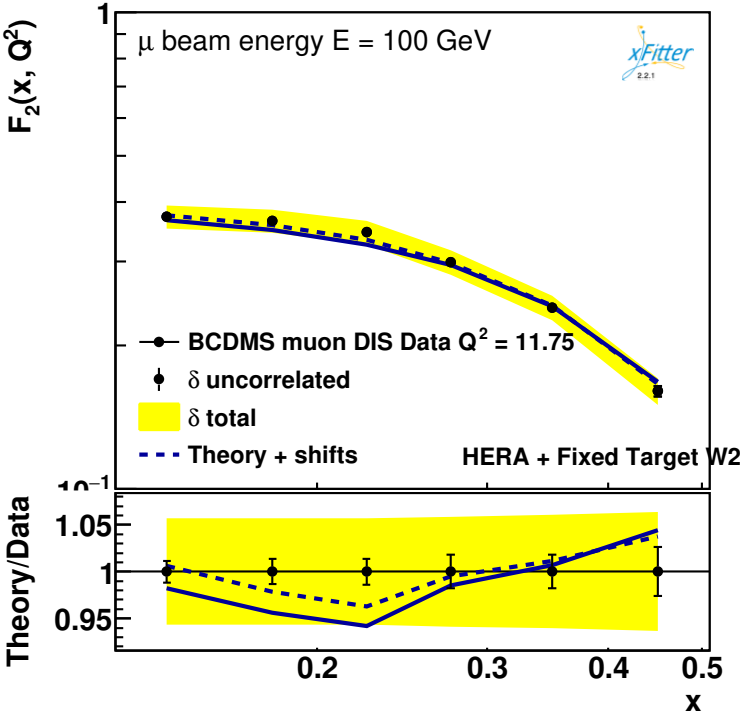

$e^+p \to e^+X$ (NC), E_p = 460 GeV
xFitter 2.2.1
σ_{red}
HERA1+2 Data Q^2 = 300
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

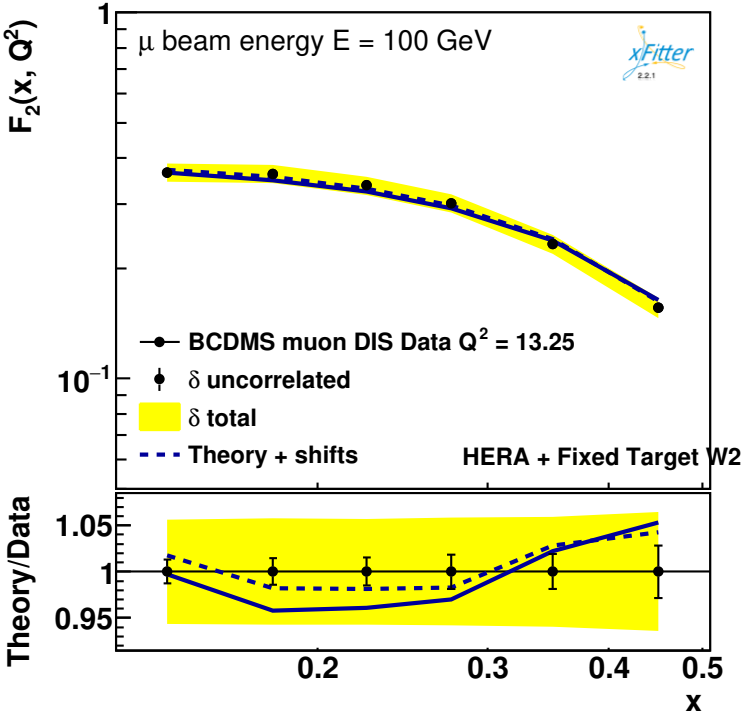

σ_{red}
$e^+p \to e^+X$ (NC), E_p = 460 GeV
xFitter 2.2.1
HERA1+2 Data Q^2 = 400
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

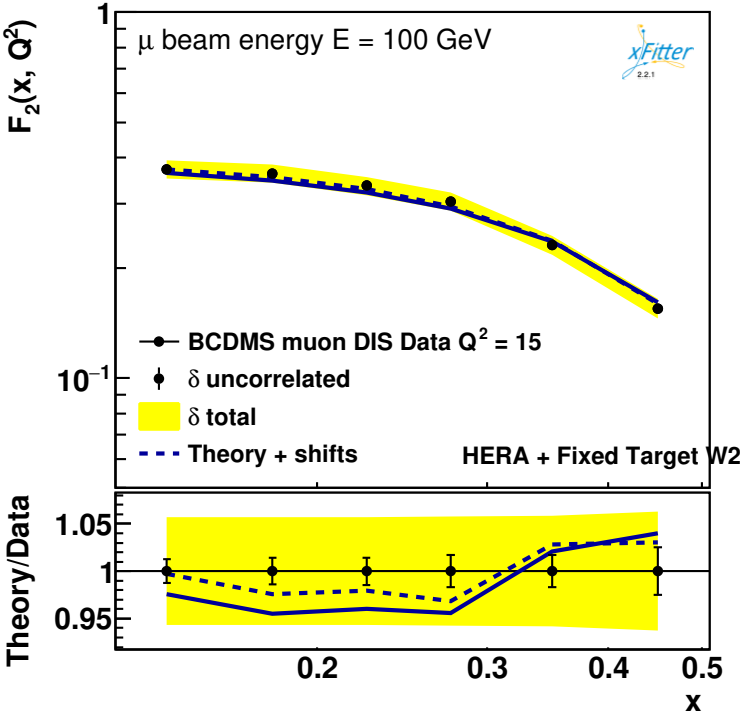

σ_{red}
$e^+p \to e^+X$ (NC), E_p = 460 GeV
xFitter 2.2.1
HERA1+2 Data Q^2 = 500
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

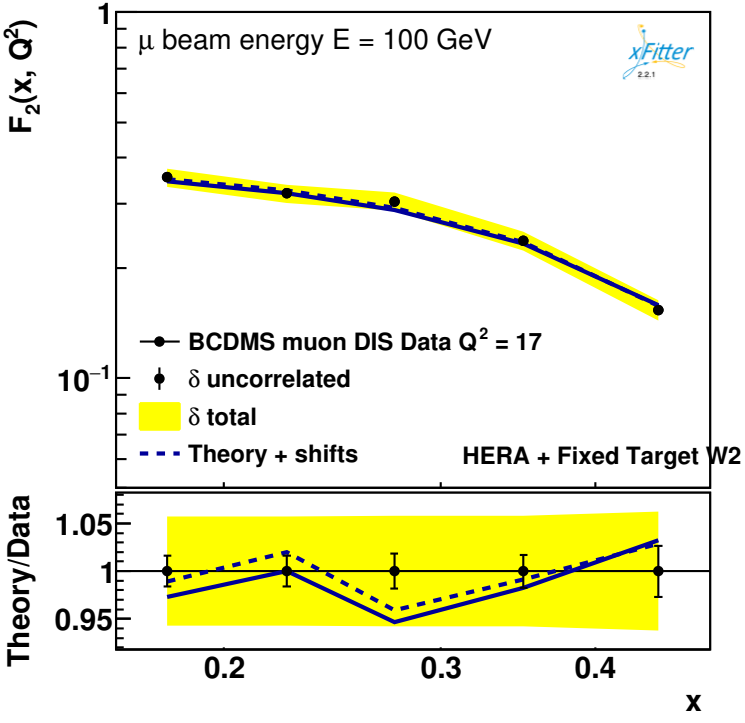

σ_{red}
$e^+p \to e^+X$ (NC), E_p = 460 GeV
xFitter 2.2.1
HERA1+2 Data Q^2 = 650
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

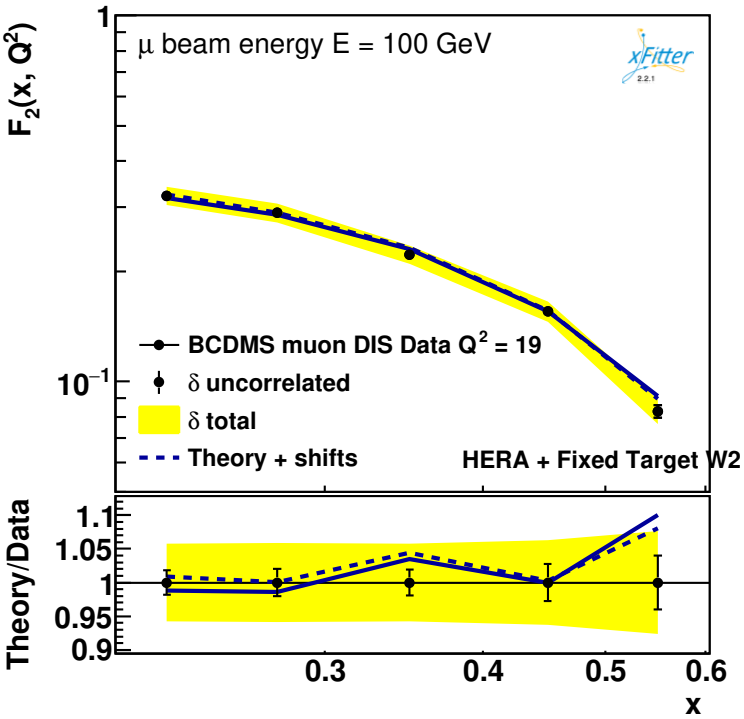

$F_2(x, Q^2)$
μ beam energy E = 100 GeV
xFitter 2.2.1
BCDMS muon DIS Data Q^2 = 10.25
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
x

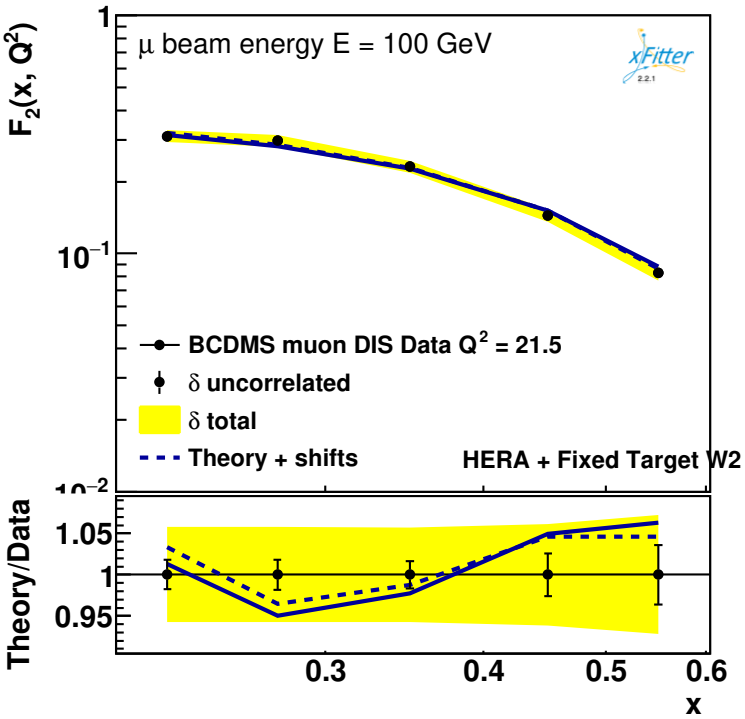

μ beam energy E = 100 GeV
xFitter 2.2.1
$F_2(x, Q^2)$
BCDMS muon DIS Data Q^2 = 11.75
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
1.05
1
0.95
0.2
0.3
0.4
0.5
x

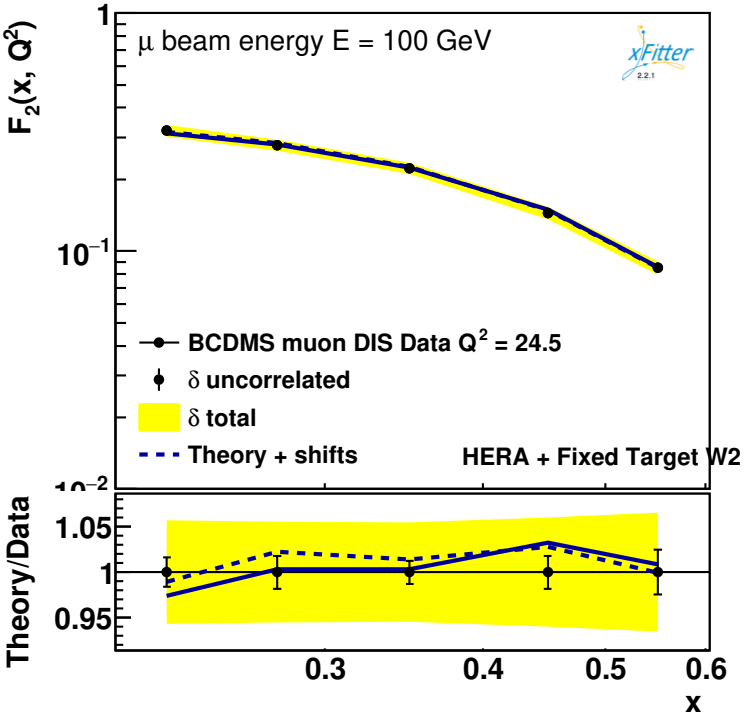

μ beam energy E = 100 GeV
xFitter 2.2.1
$F_2(x, Q^2)$
BCDMS muon DIS Data Q^2 = 13.25
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
1.05
1
0.95
0.2
0.3
0.4
0.5
x

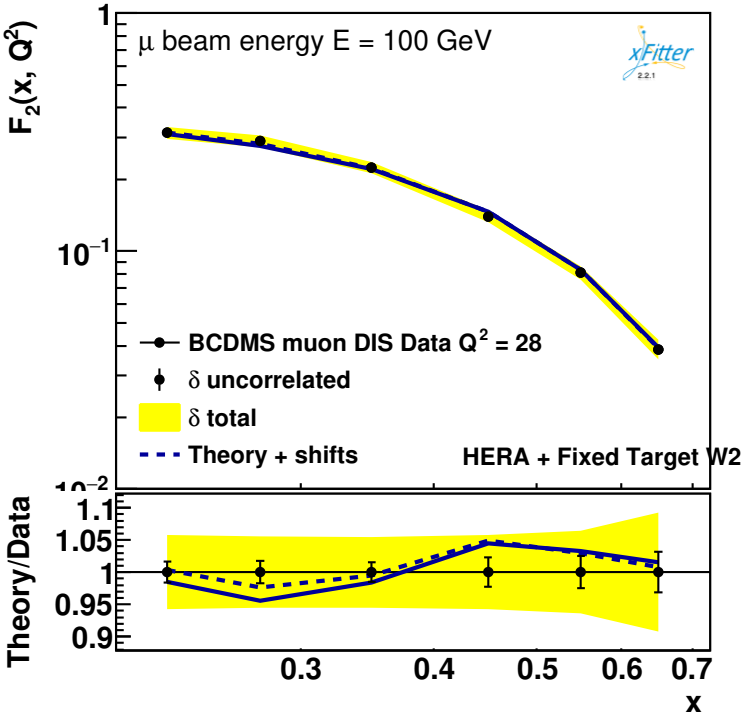

μ beam energy E = 100 GeV
xFitter 2.2.1
$F_2(x, Q^2)$
BCDMS muon DIS Data Q^2 = 15
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
1.05
1
0.95
0.2
0.3
0.4
0.5
x

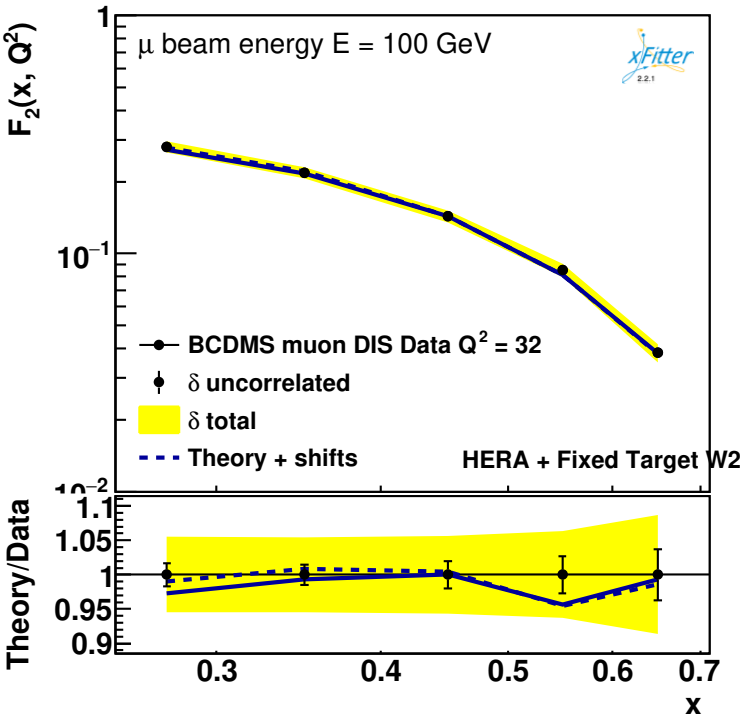

μ beam energy E = 100 GeV
xFitter 2.2.1
$F_2(x, Q^2)$
BCDMS muon DIS Data Q^2 = 17
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
1.05
1
0.95
0.2
0.3
0.4
x

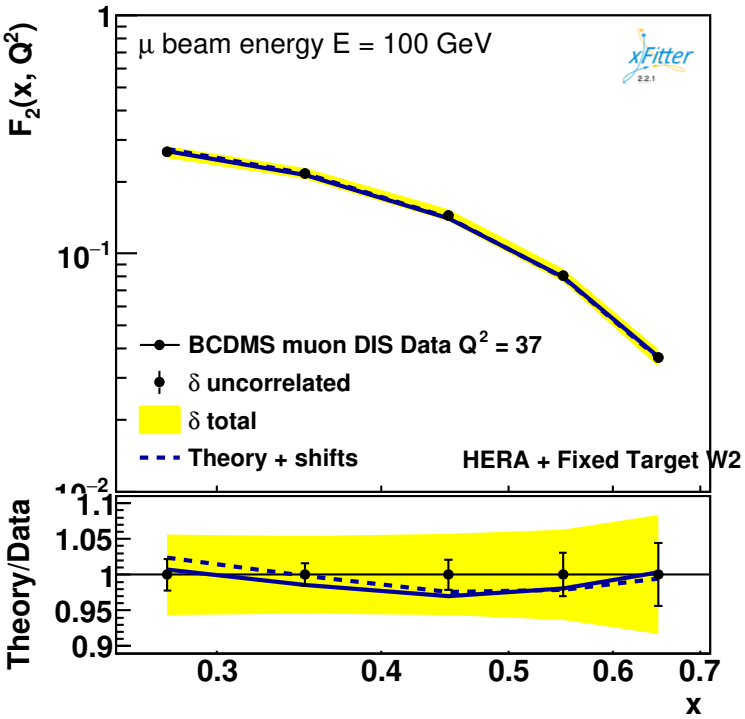

μ beam energy E = 100 GeV
xFitter 2.2.1
$F_2(x, Q^2)$
BCDMS muon DIS Data Q^2 = 19
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
x

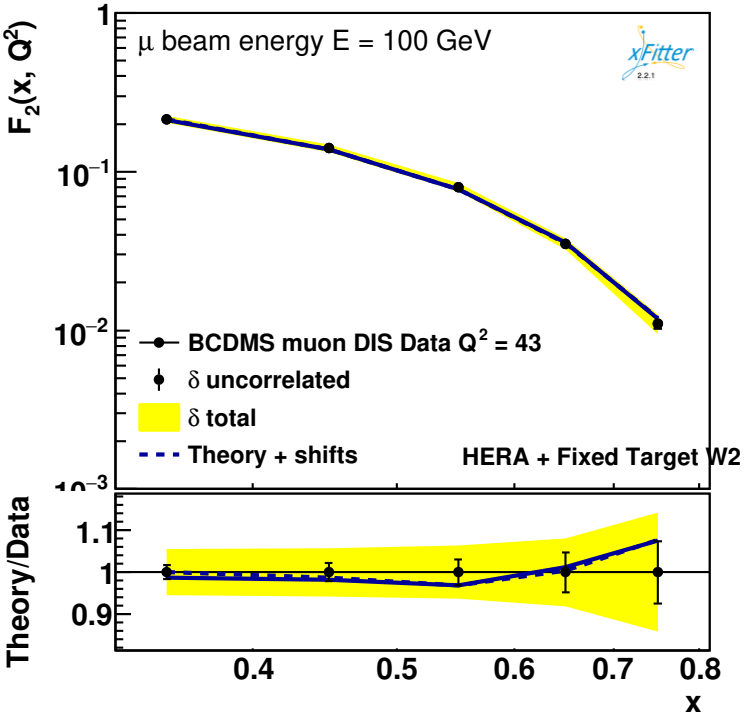

μ beam energy E = 100 GeV
xFitter 2.2.1
$F_2(x, Q^2)$
BCDMS muon DIS Data Q^2 = 21.5
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
x

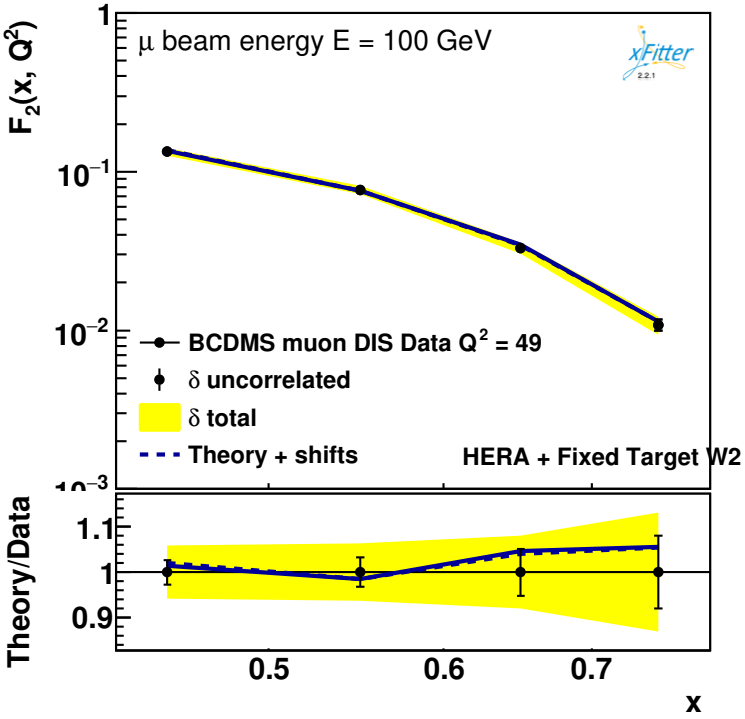

μ beam energy E = 100 GeV
xFitter 2.2.1
$F_2(x, Q^2)$
BCDMS muon DIS Data Q^2 = 24.5
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
x

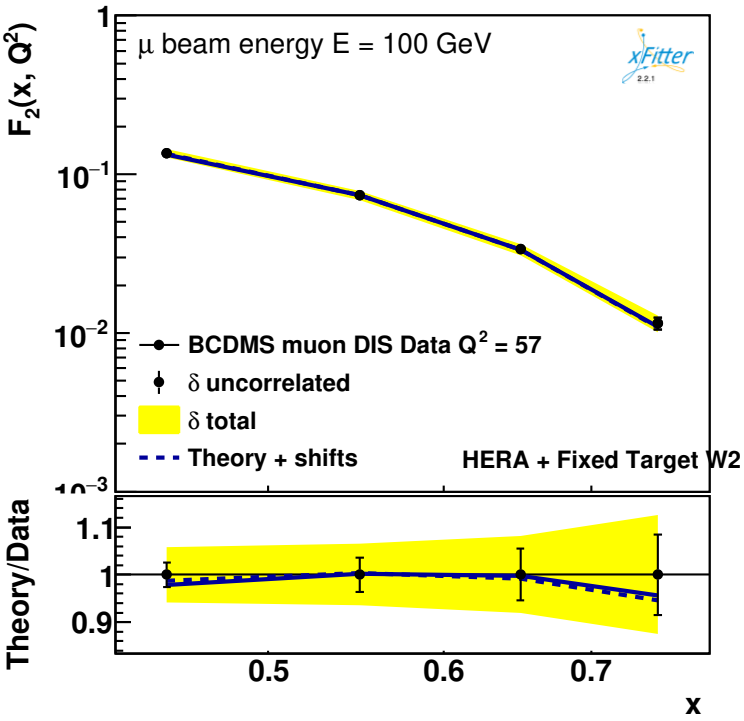

μ beam energy E = 100 GeV
xFitter 2.2.1
$F_2(x, Q^2)$
BCDMS muon DIS Data Q^2 = 28
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
x

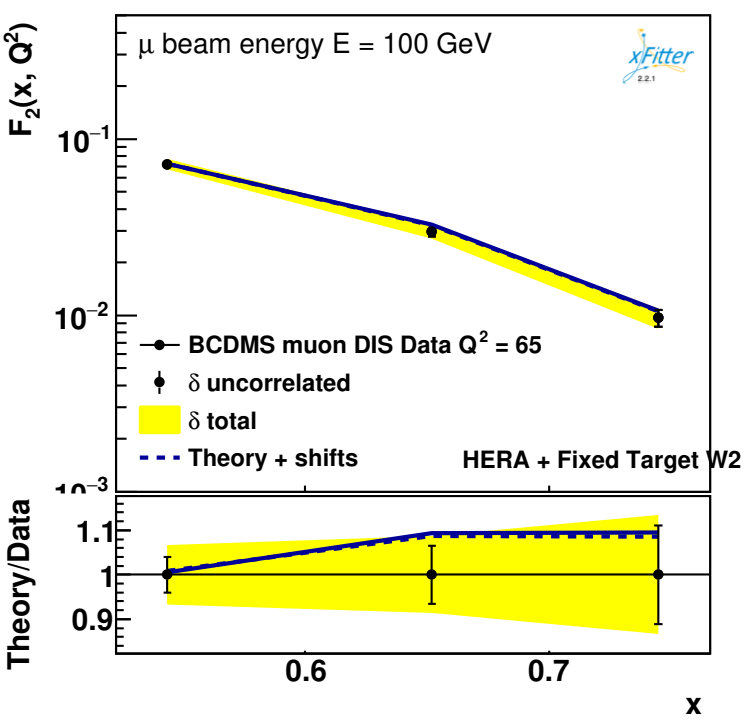

μ beam energy E = 100 GeV
xFitter 2.2.1
$F_2(x, Q^2)$
BCDMS muon DIS Data Q^2 = 32
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
x

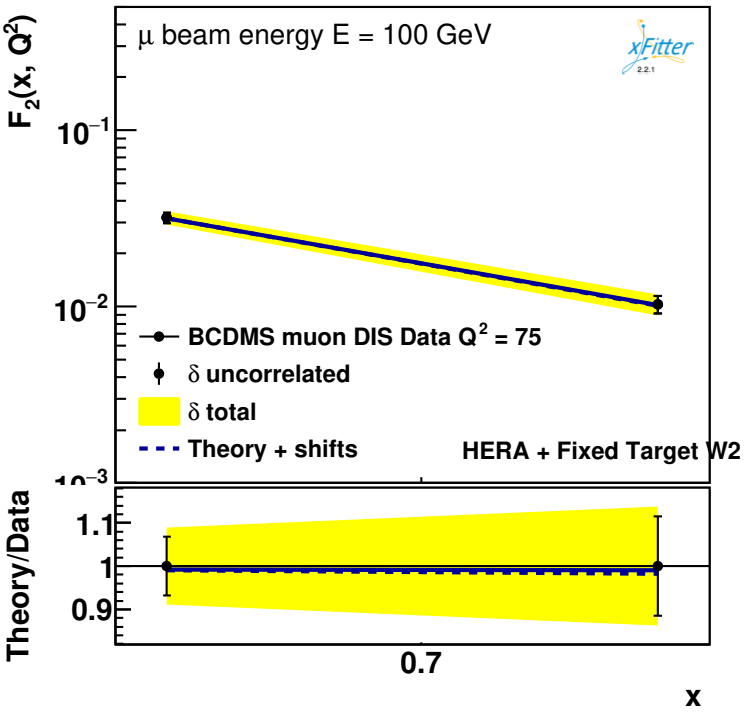

μ beam energy E = 100 GeV
xFitter 2.2.1
$F_2(x, Q^2)$
BCDMS muon DIS Data Q^2 = 37
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
x

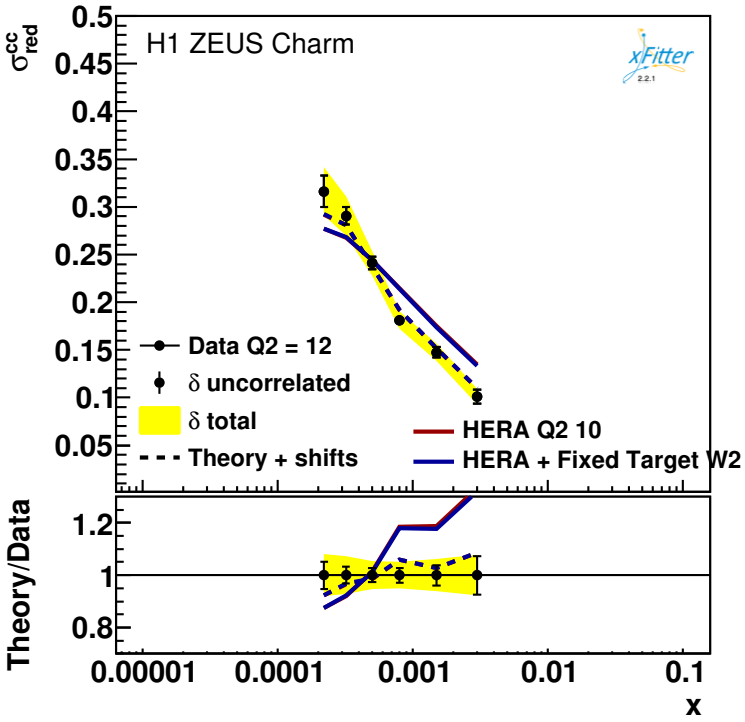

μ beam energy E = 100 GeV
xFitter 2.2.1
$F_2(x, Q^2)$
BCDMS muon DIS Data Q^2 = 43
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
x

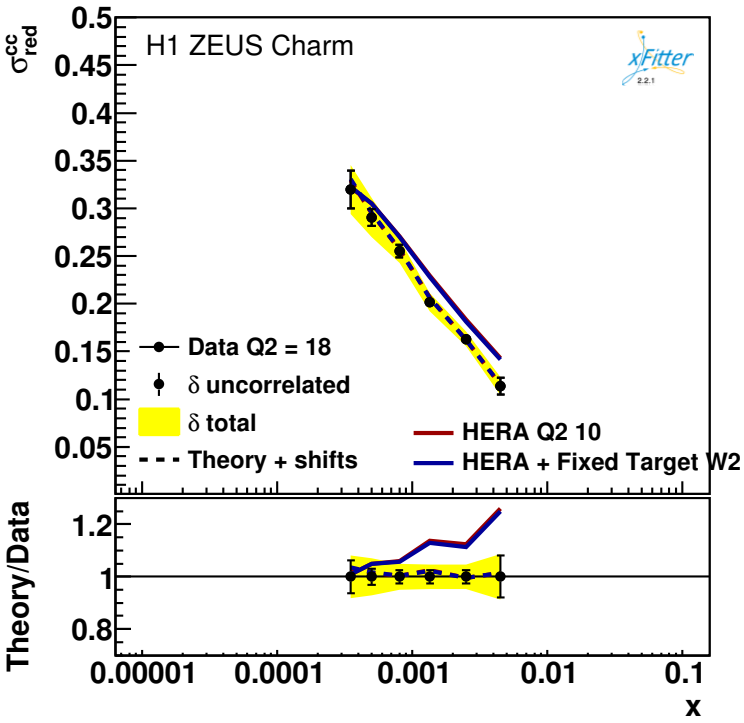

μ beam energy E = 100 GeV
xFitter 2.2.1
$F_2(x, Q^2)$
BCDMS muon DIS Data Q^2 = 49
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
x

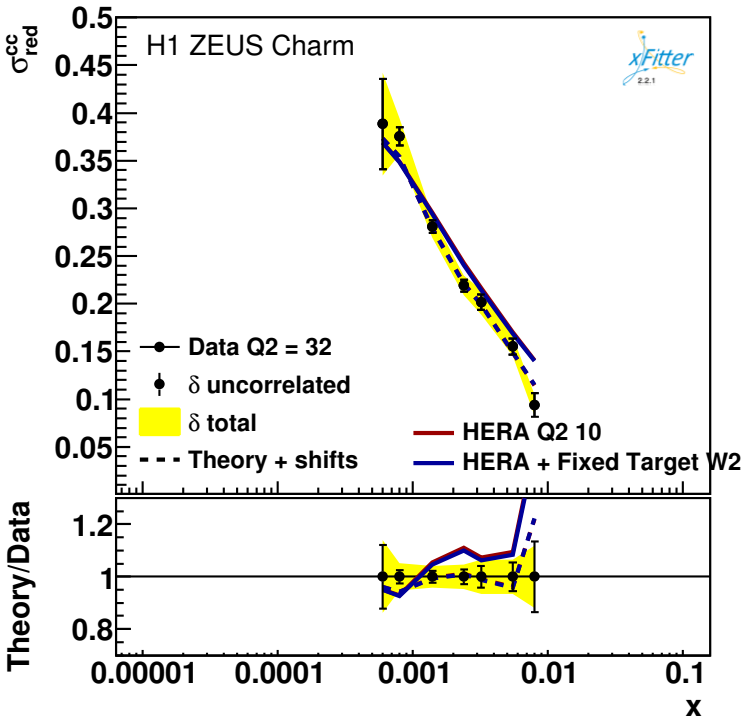

μ beam energy E = 100 GeV
xFitter 2.2.1
$F_2(x, Q^2)$
BCDMS muon DIS Data Q^2 = 57
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
x

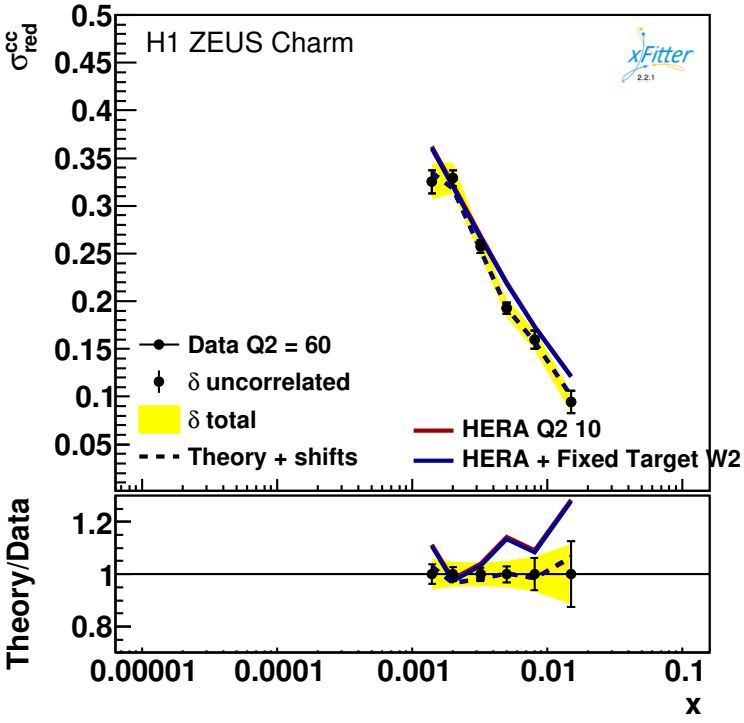

μ beam energy E = 100 GeV
xFitter 2.2.1
$F_2(x, Q^2)$
BCDMS muon DIS Data Q^2 = 65
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
x

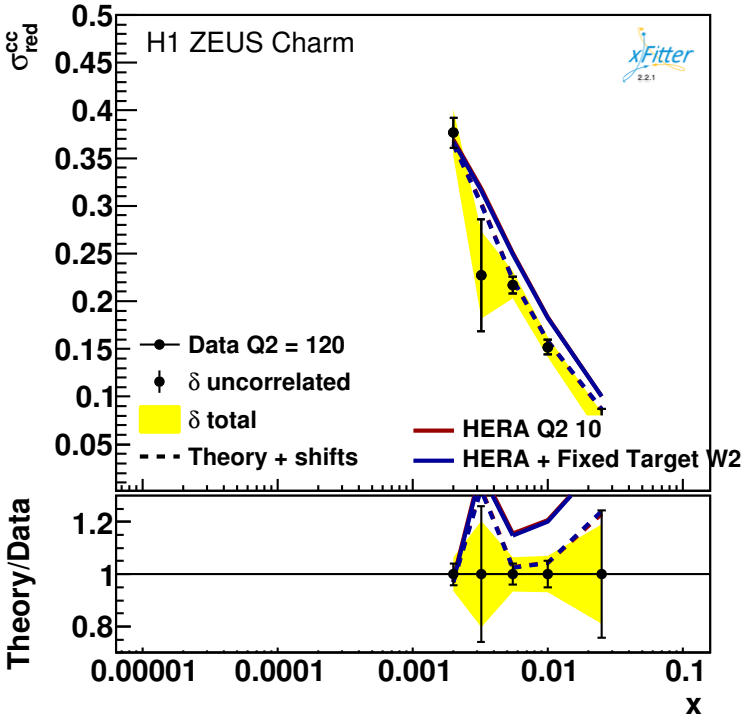

μ beam energy E = 100 GeV
xFitter 2.2.1
$F_2(x, Q^2)$
BCDMS muon DIS Data Q^2 = 75
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
x

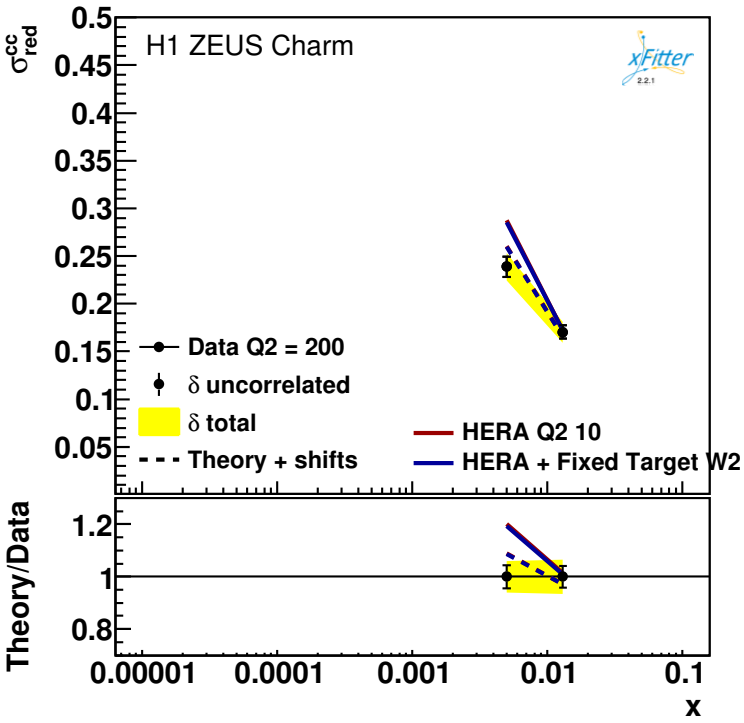

H1 ZEUS Charm
xFitter 2.2.1
σ^{cc}_{red}
Data Q2 = 12
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

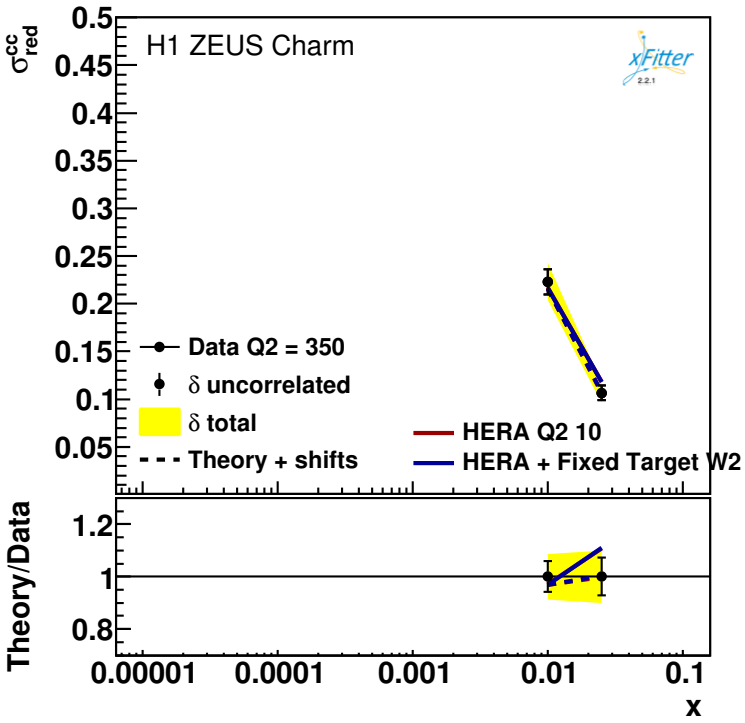

H1 ZEUS Charm
xFitter 2.2.1
σ^{cc}_{red}
Data Q2 = 18
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

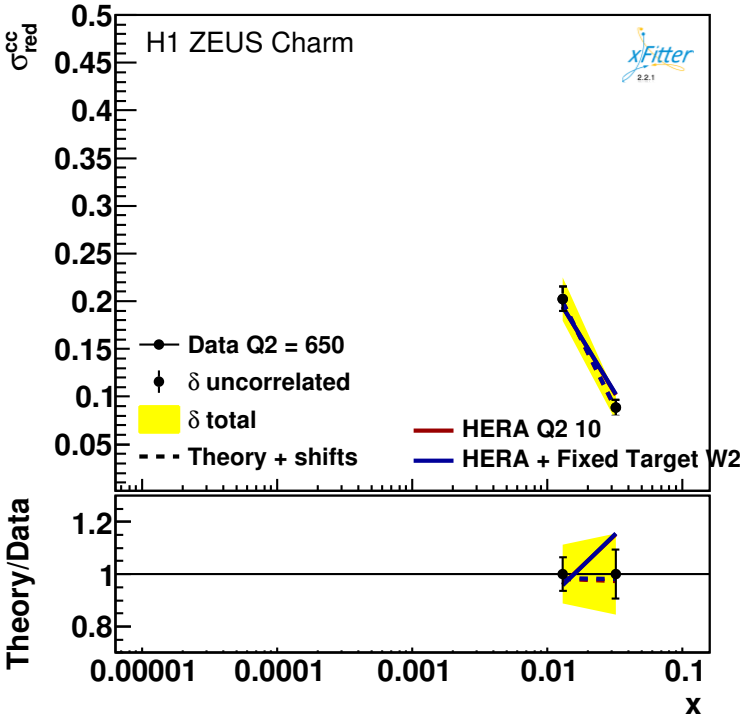

H1 ZEUS Charm
xFitter 2.2.1
σ^{cc}_{red}
Data Q2 = 32
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

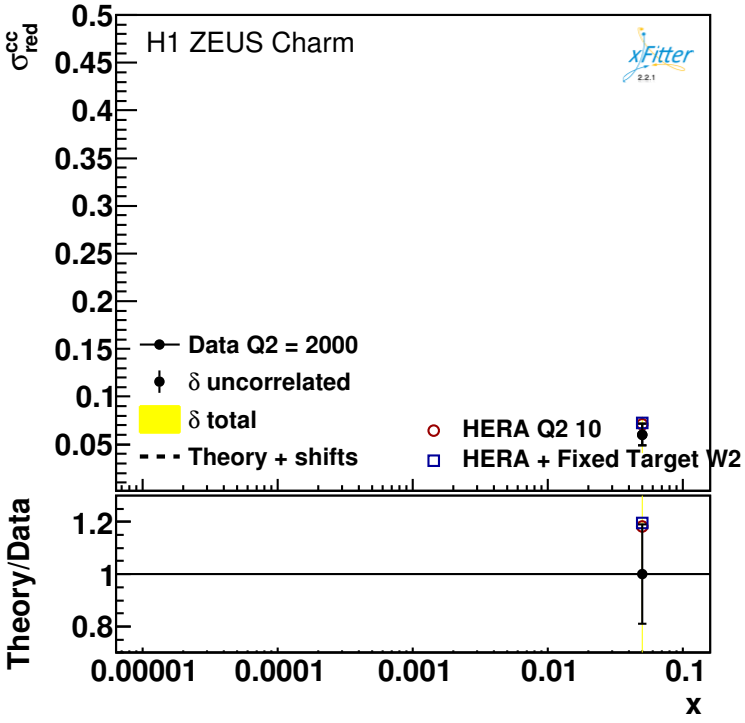

H1 ZEUS Charm
xFitter 2.2.1
σ^{cc}_{red}
Data Q2 = 60
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

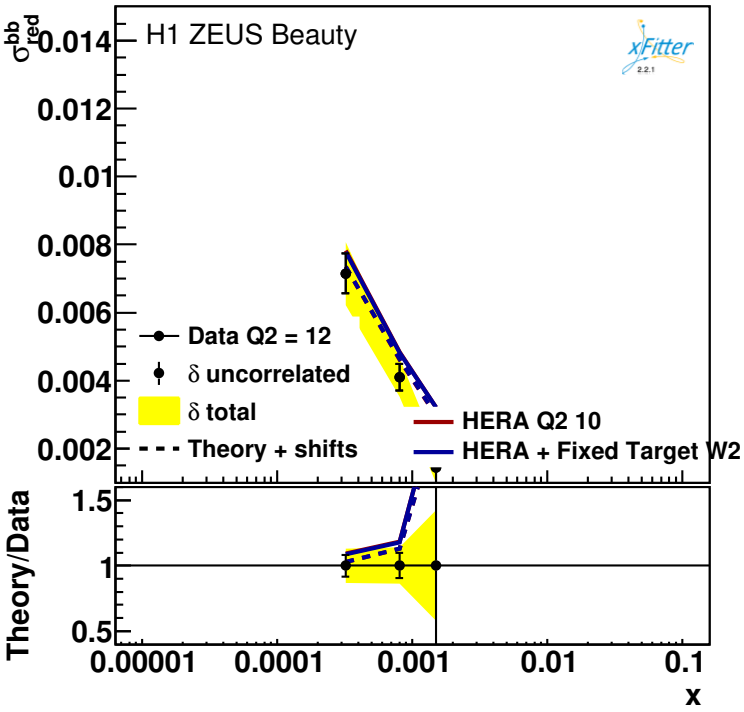

H1 ZEUS Charm
xFitter 2.2.1
σ^{cc}_{red}
Data Q2 = 120
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

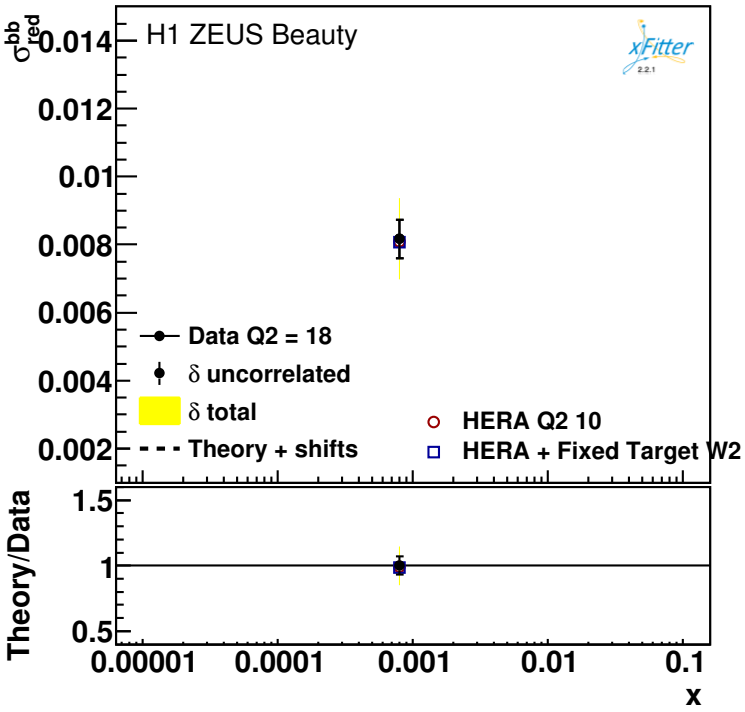

H1 ZEUS Charm
xFitter 2.2.1
σ^{cc}_{red}
Data Q2 = 200
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

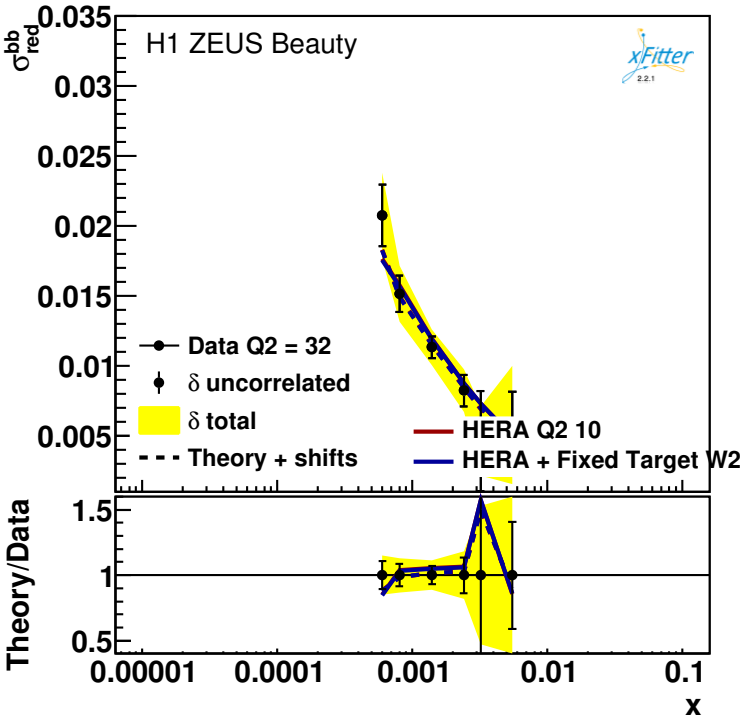

H1 ZEUS Charm
xFitter 2.2.1
σ^{cc}_{red}
Data Q2 = 350
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

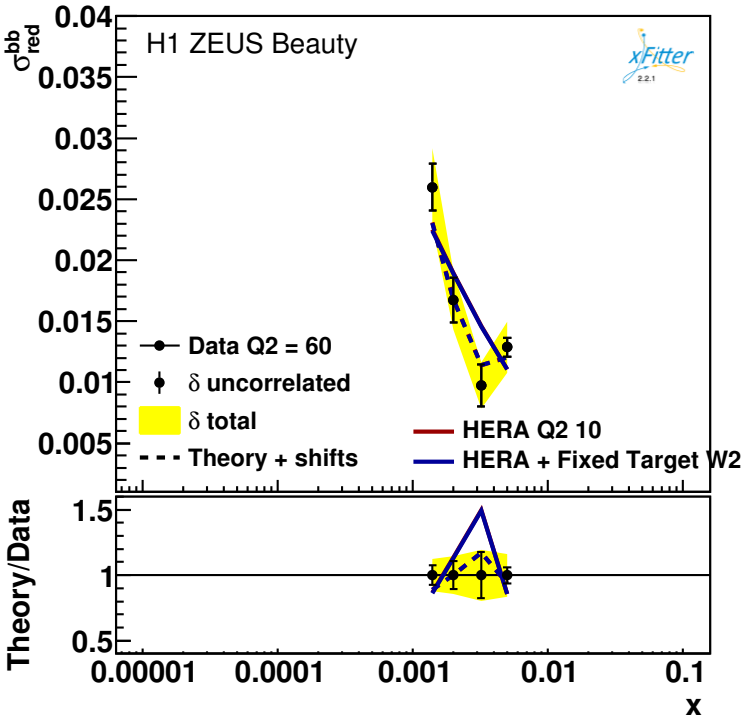

H1 ZEUS Charm
xFitter 2.2.1
σ^{cc}_{red}
Data Q2 = 650
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

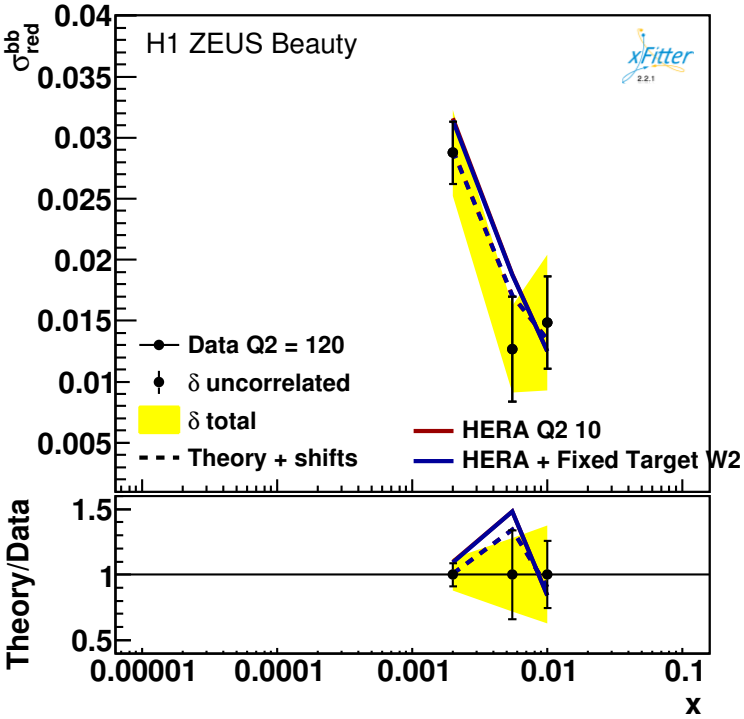

H1 ZEUS Charm
xFitter 2.2.1
σ^{cc}_{red}
Data Q2 = 2000
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

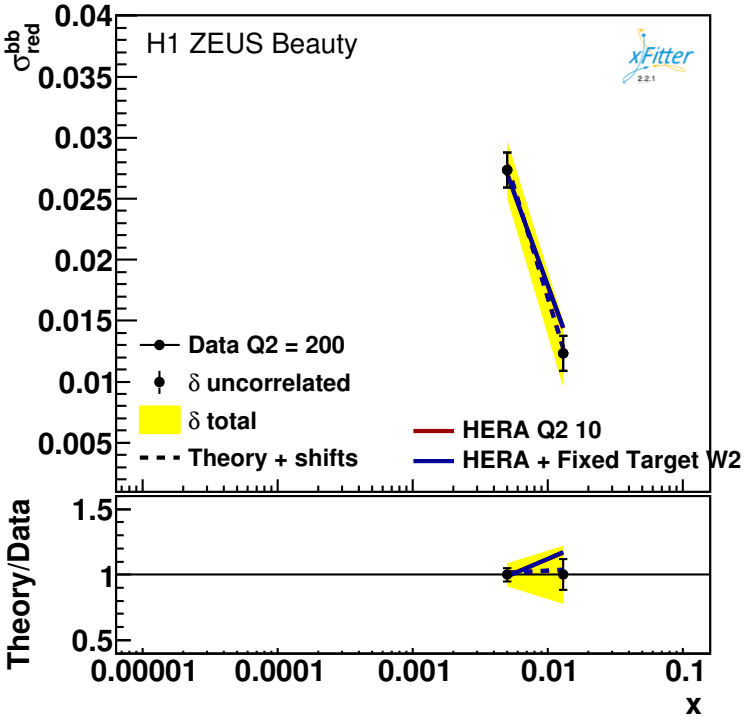

H1 ZEUS Beauty
xFitter 2.2.1
σ^{bb}_{red}
Data Q2 = 12
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

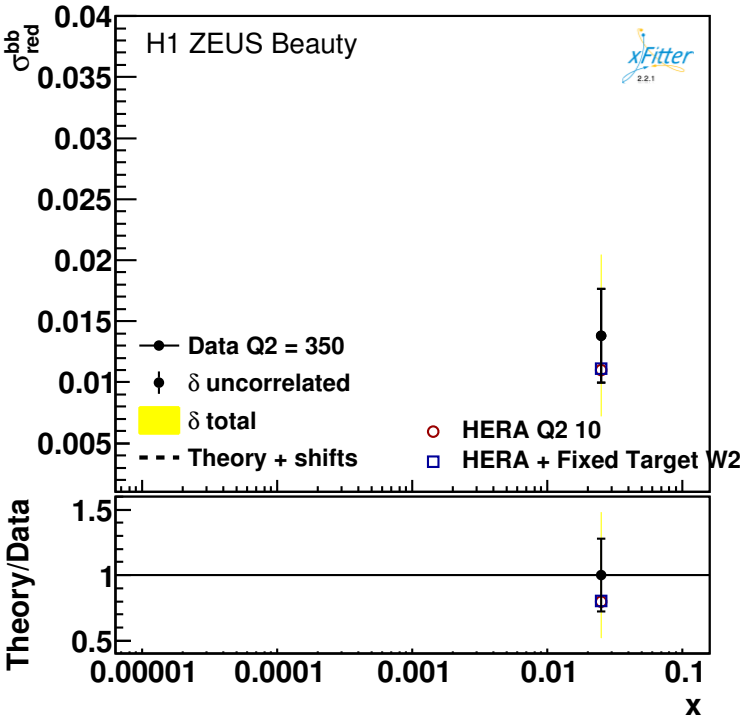

H1 ZEUS Beauty
xFitter 2.2.1
σ^{bb}_{red}
Data Q2 = 18
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

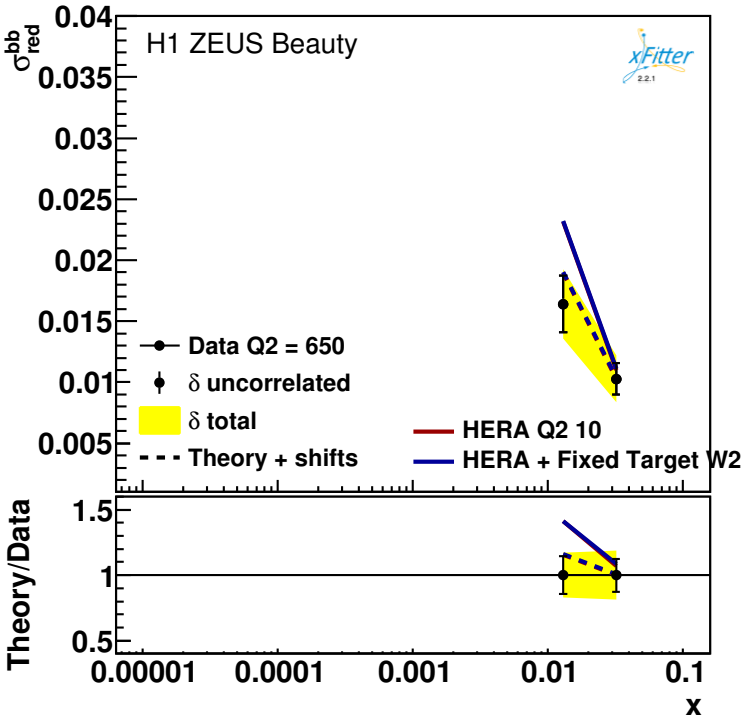

H1 ZEUS Beauty
xFitter 2.2.1
σ^{bb}_{red}
Data Q2 = 32
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

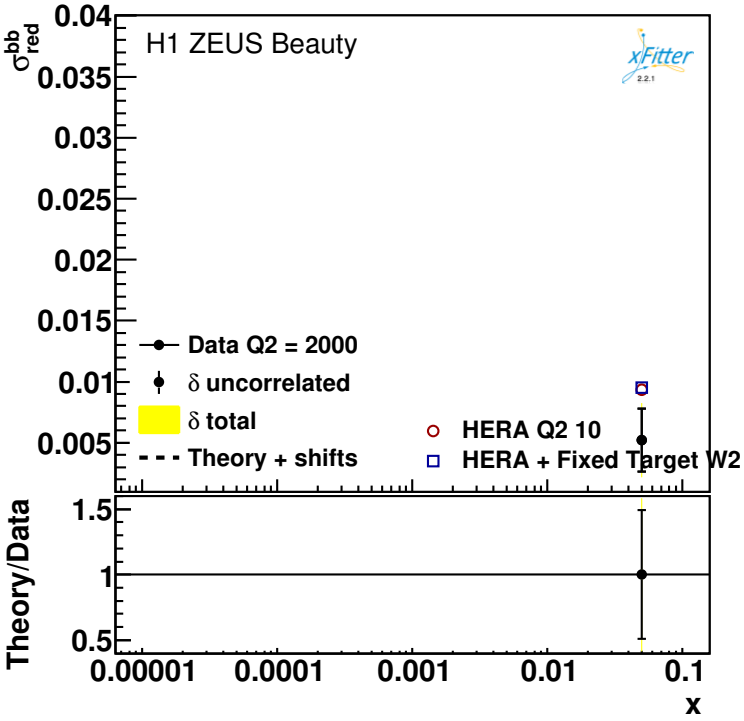

H1 ZEUS Beauty
xFitter 2.2.1
σ^{bb}_{red}
Data Q2 = 60
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

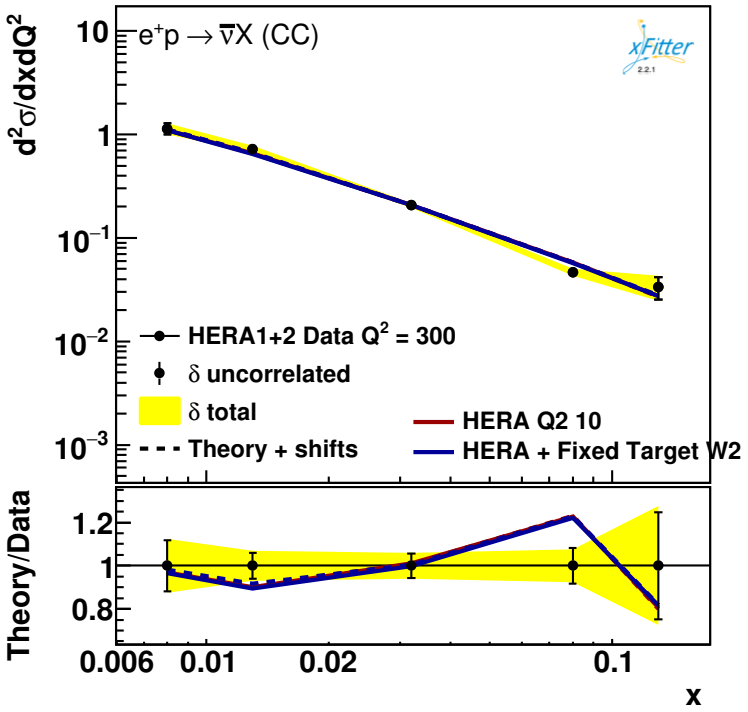

H1 ZEUS Beauty
xFitter 2.2.1
σ^{bb}_{red}
Data Q2 = 120
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

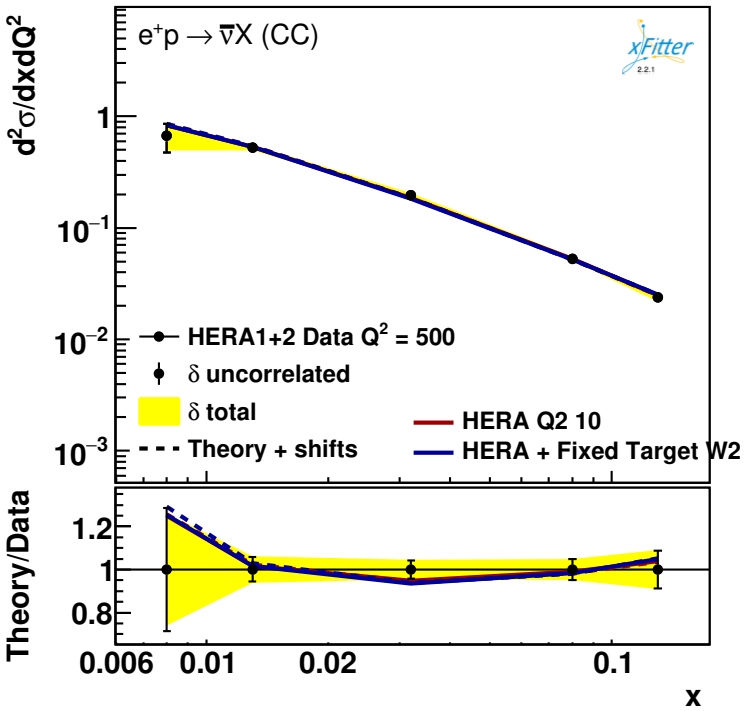

H1 ZEUS Beauty
xFitter 2.2.1
σ^{bb}_{red}
Data Q2 = 200
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

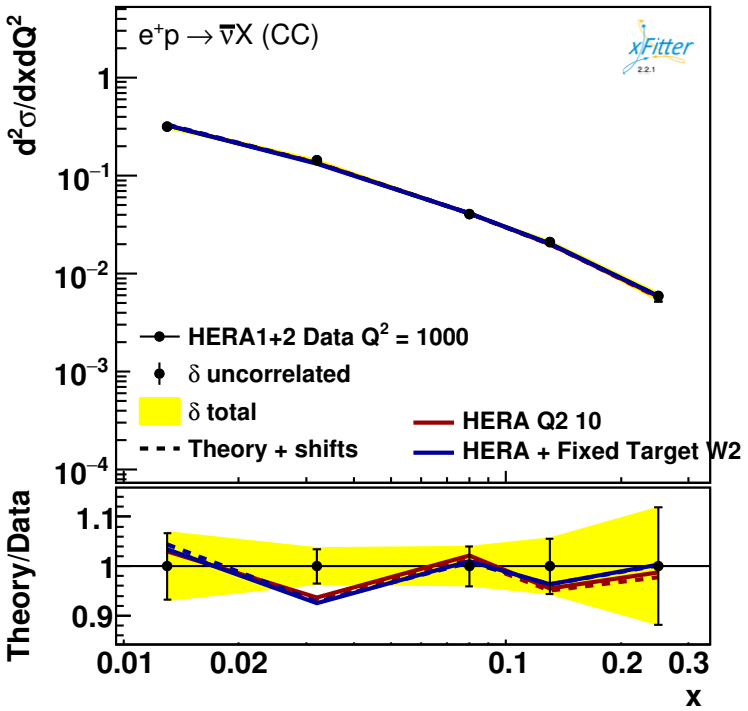

H1 ZEUS Beauty
xFitter 2.2.1
σ^{bb}_{red}
Data Q2 = 350
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

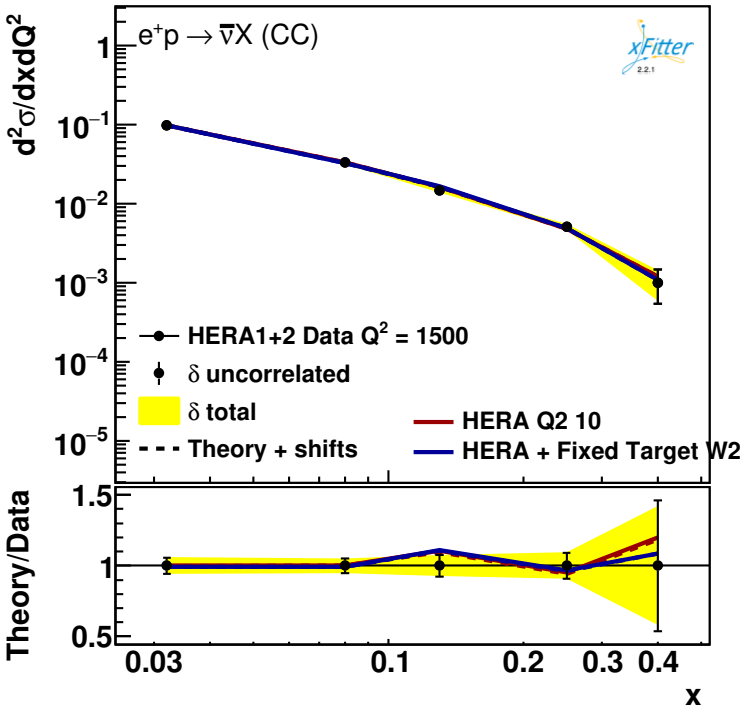

H1 ZEUS Beauty
xFitter 2.2.1
σ^{bb}_{red}
Data Q2 = 650
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

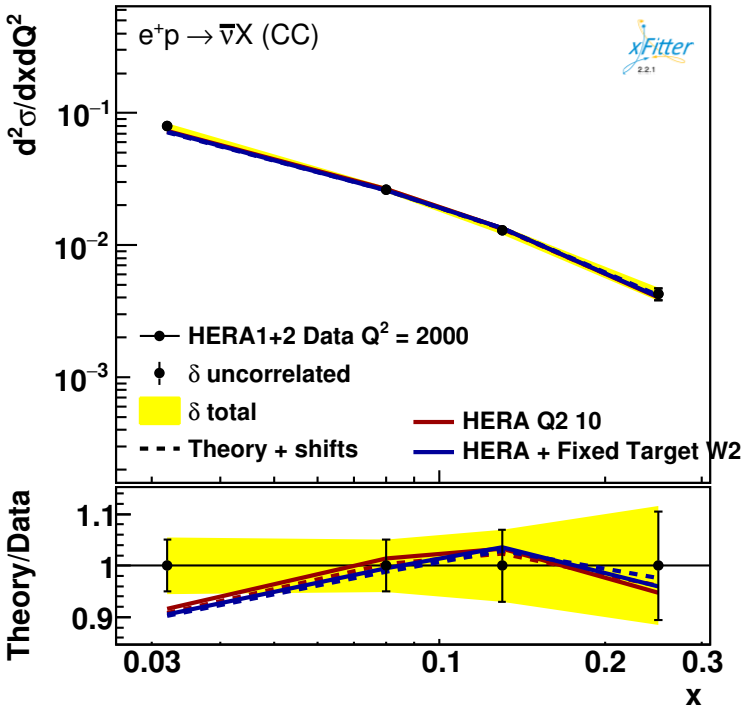

H1 ZEUS Beauty
$\sigma^{b\bar{b}}_{red}$
Data Q2 = 2000
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

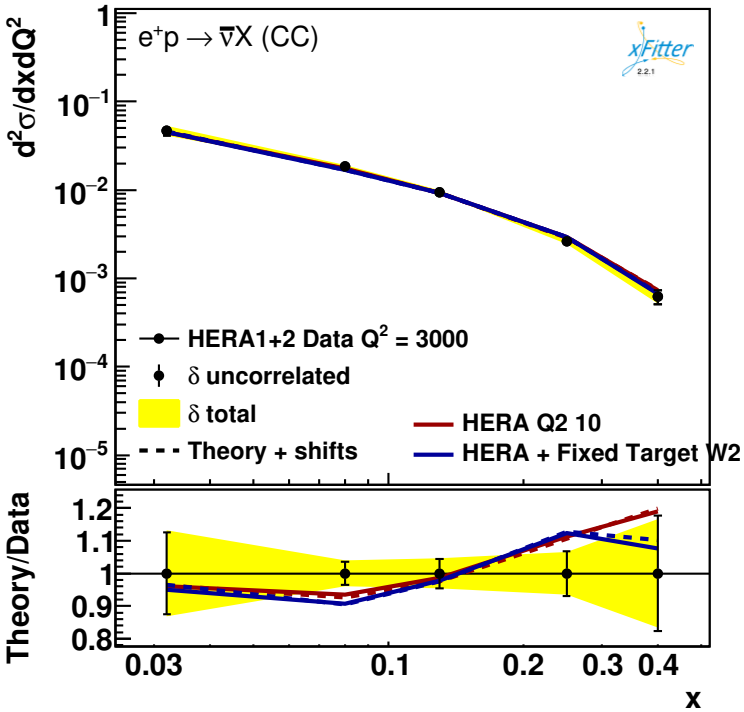

$e^+p \to \bar{\nu}X$ (CC)
$d^2\sigma/dxdQ^2$
HERA1+2 Data Q^2 = 300
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

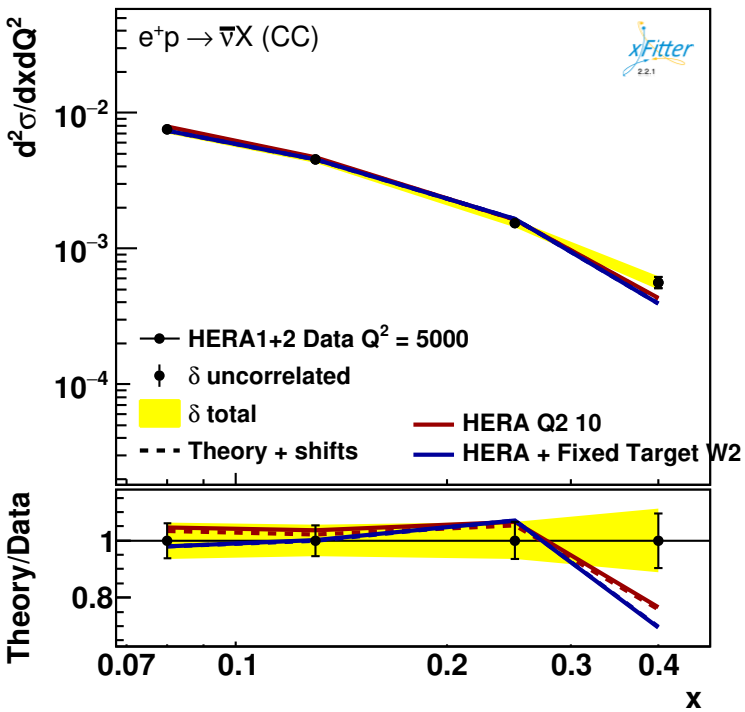

$e^+p \to \bar{\nu}X$ (CC)
$d^2\sigma/dxdQ^2$
HERA1+2 Data Q^2 = 500
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

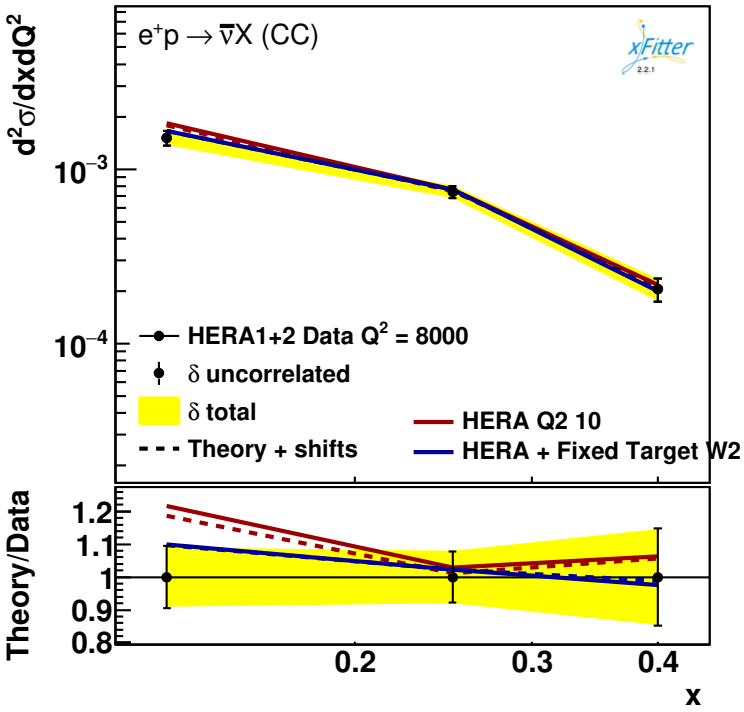

$e^+p \to \bar{\nu}X$ (CC)
$d^2\sigma/dxdQ^2$
HERA1+2 Data Q^2 = 1000
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

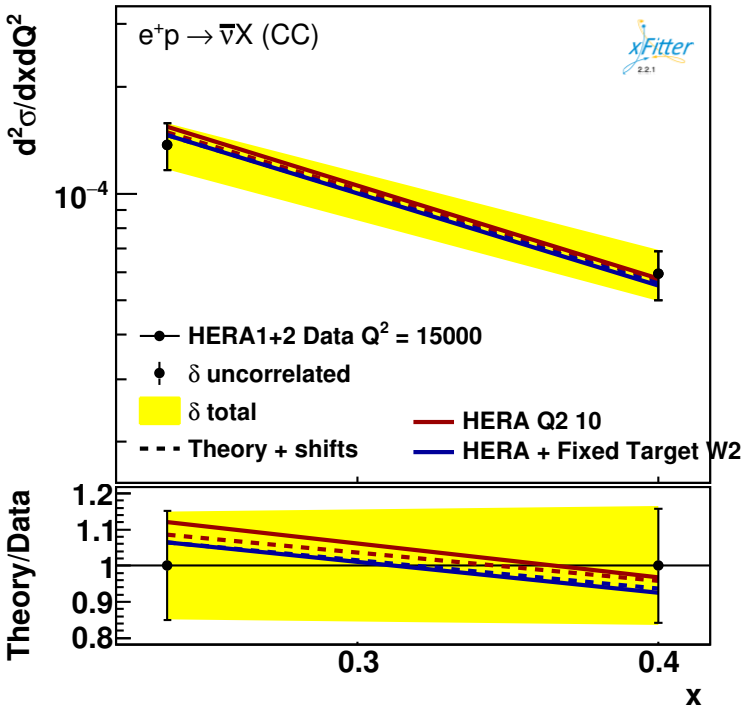

e+p → ν̄X (CC)
xFitter 2.2.1
d2σ/dxdQ2
HERA1+2 Data Q2 = 1500
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

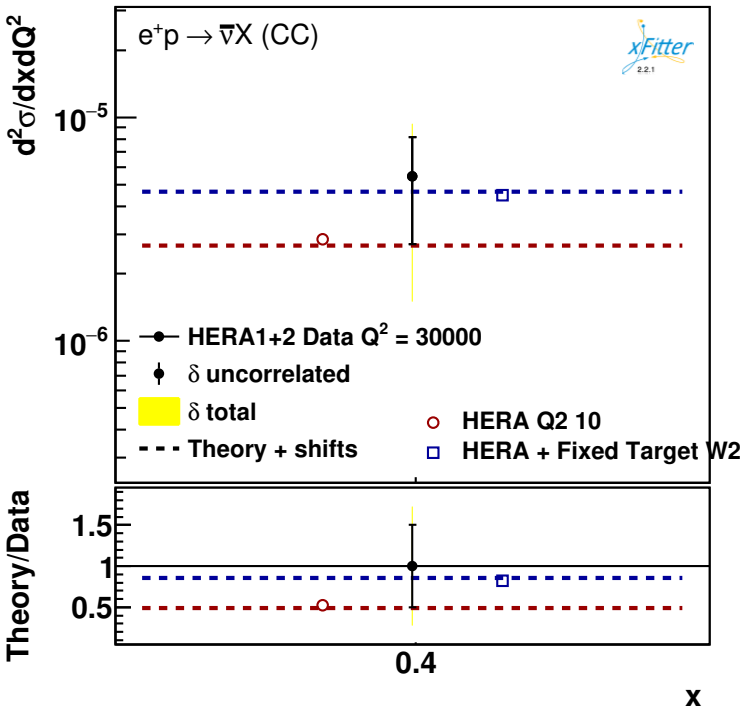

e+p → ν̄X (CC)
xFitter 2.2.1
d2σ/dxdQ2
HERA1+2 Data Q2 = 2000
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

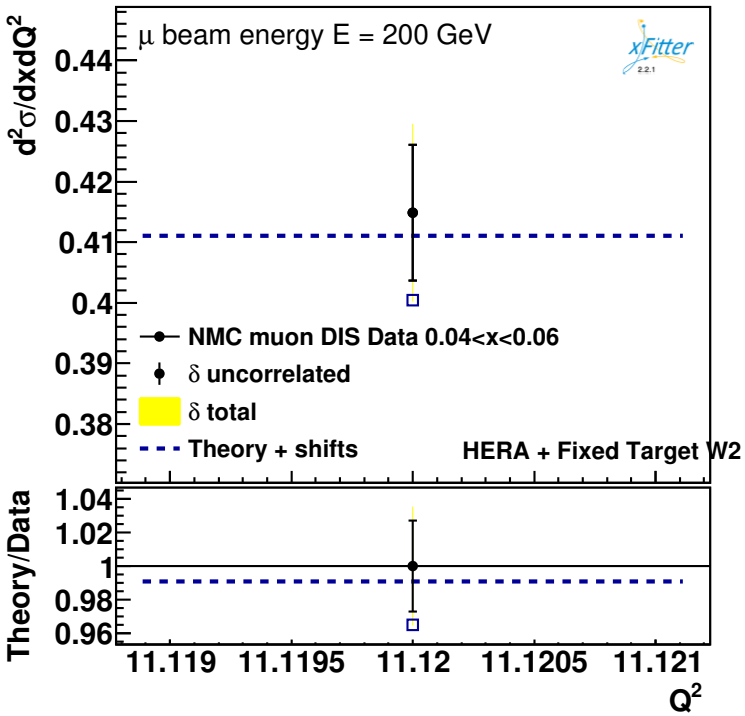

e+p → ν̄X (CC)
xFitter 2.2.1
d2σ/dxdQ2
HERA1+2 Data Q2 = 3000
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

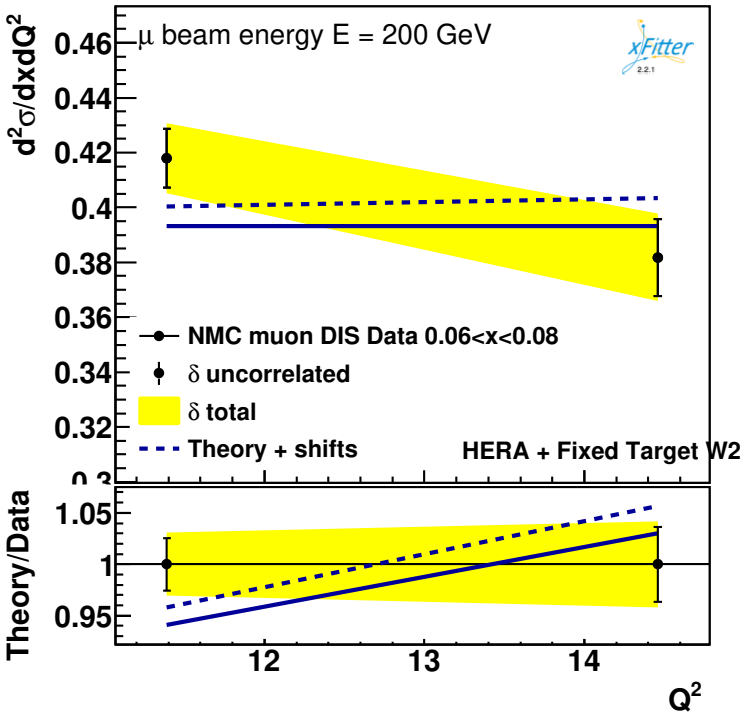

e+p → ν̄X (CC)
xFitter 2.2.1
d2σ/dxdQ2
HERA1+2 Data Q2 = 5000
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

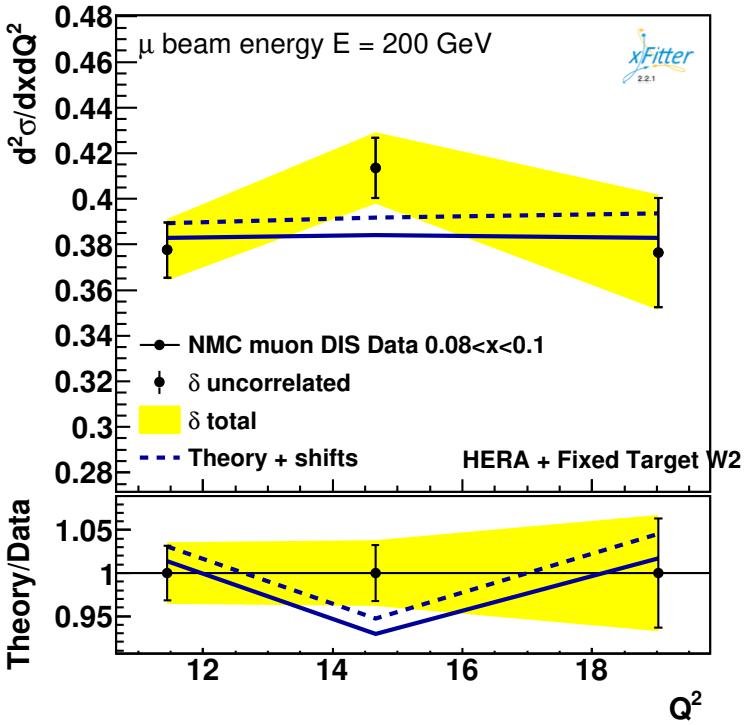

e⁺p → ν̄X (CC)
xFitter 2.2.1
d²σ/dxdQ²
HERA1+2 Data Q² = 8000
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

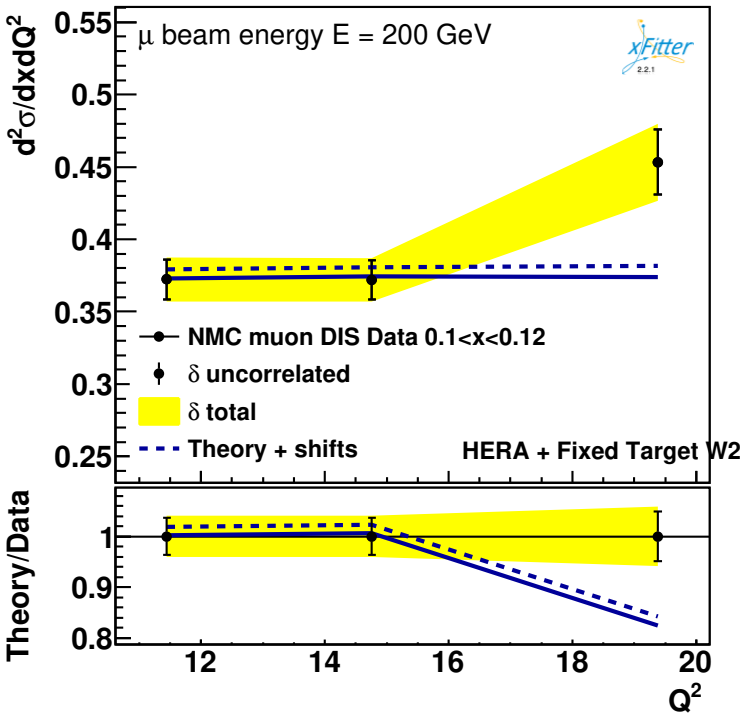

e⁺p → ν̄X (CC)
xFitter 2.2.1
d²σ/dxdQ²
HERA1+2 Data Q² = 15000
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

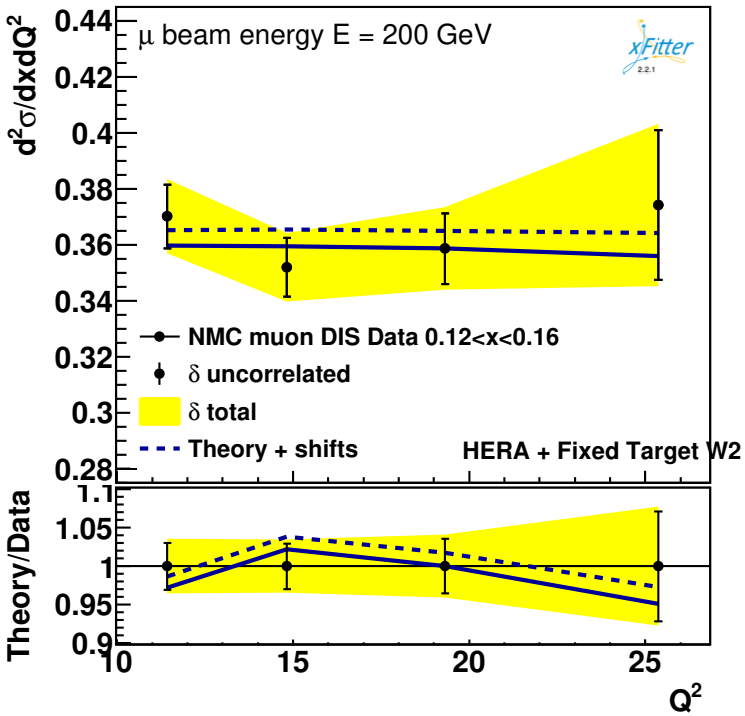

e⁺p → ν̄X (CC)
xFitter 2.2.1
d²σ/dxdQ²
HERA1+2 Data Q² = 30000
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

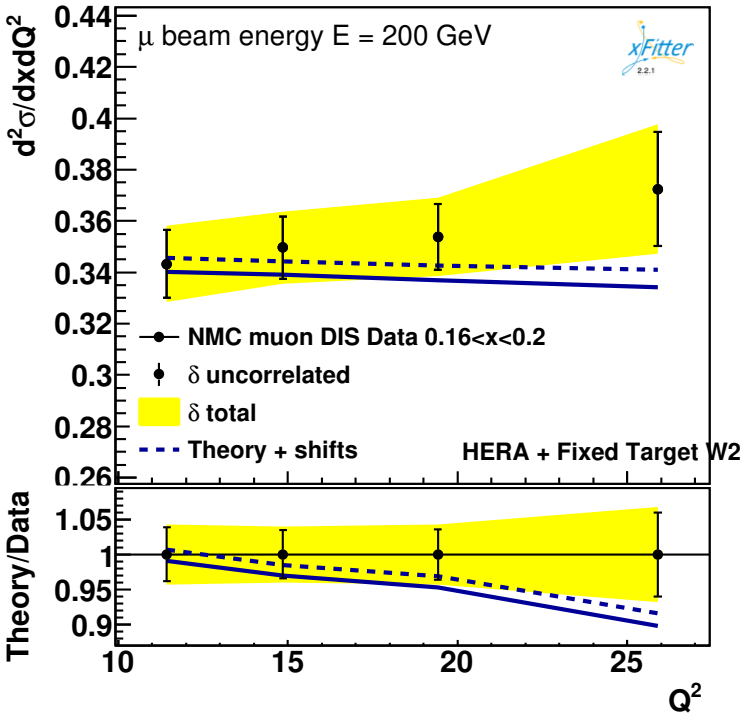

μ beam energy E = 200 GeV
xFitter 2.2.1
d²σ/dxdQ²
NMC muon DIS Data 0.04<x<0.06
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
Q²

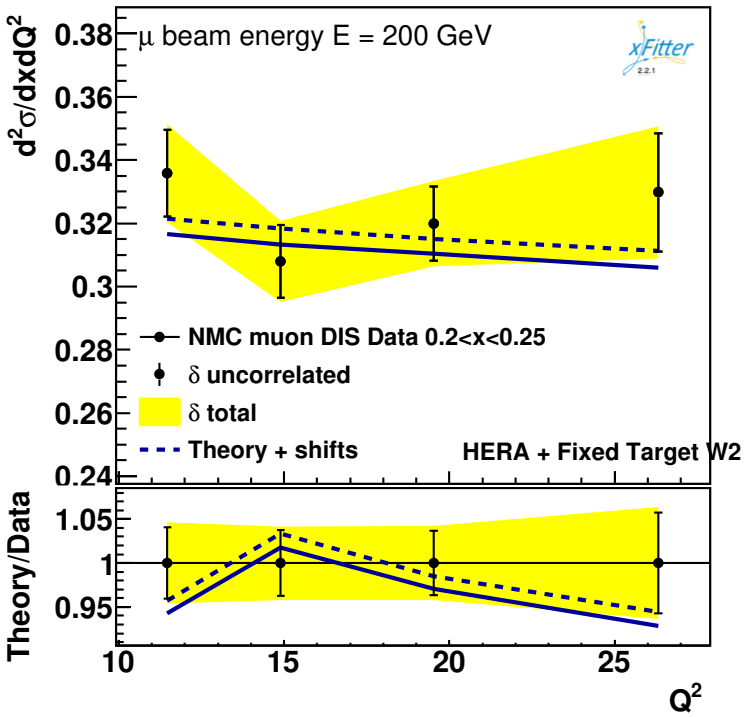

μ beam energy E = 200 GeV
xFitter 2.2.1
$d^2\sigma/dxdQ^2$
NMC muon DIS Data 0.06<x<0.08
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
Q^2

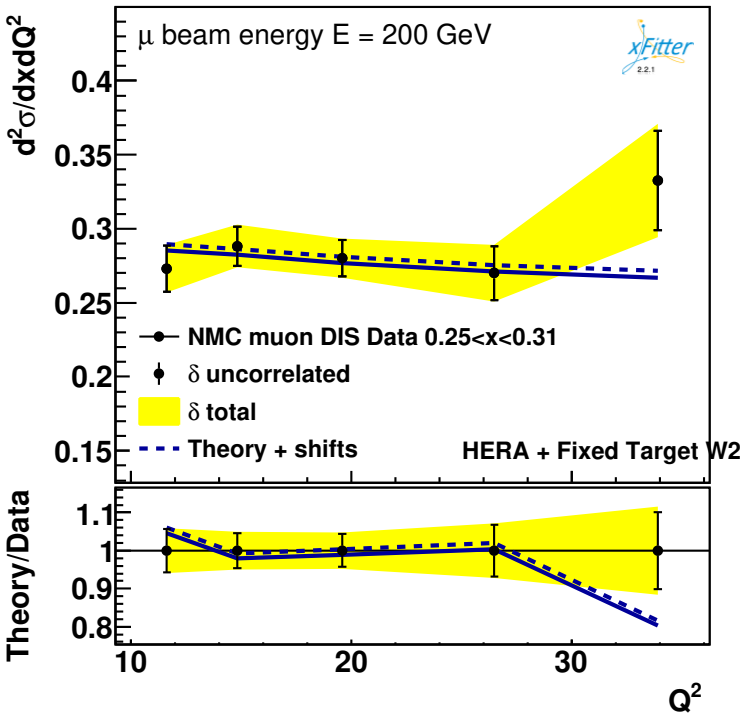

μ beam energy E = 200 GeV
xFitter 2.2.1
$d^2\sigma/dxdQ^2$
NMC muon DIS Data 0.08<x<0.1
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
Q^2

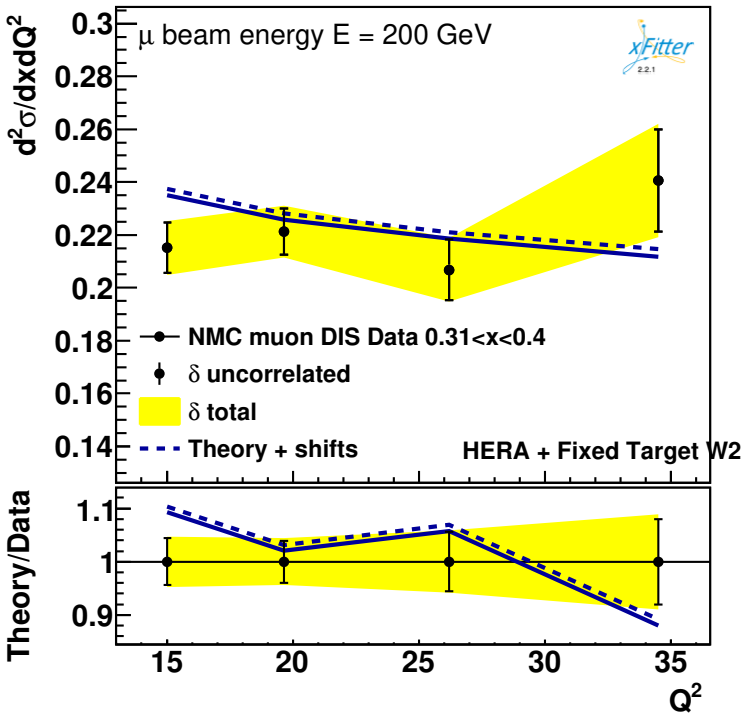

μ beam energy E = 200 GeV
xFitter 2.2.1
$d^2\sigma/dxdQ^2$
NMC muon DIS Data 0.1<x<0.12
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
Q^2

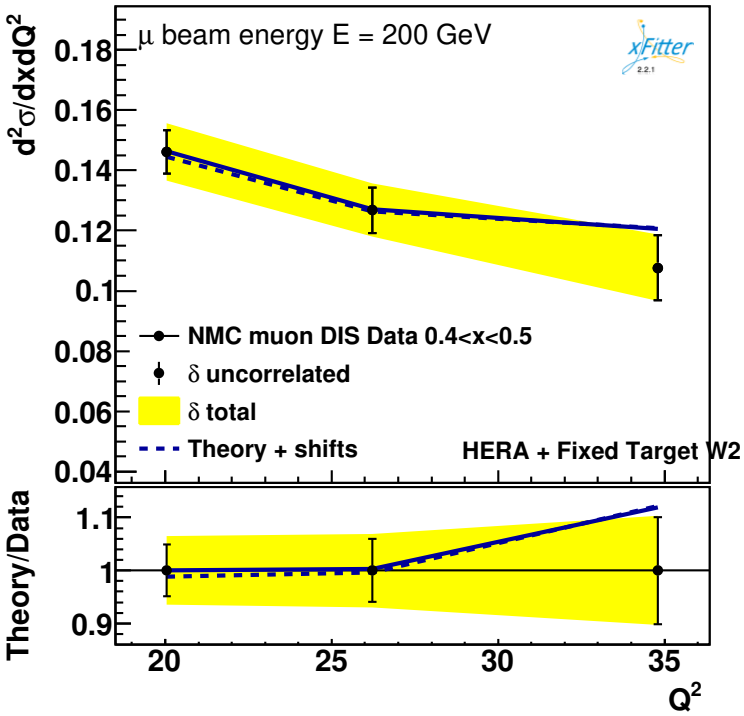

μ beam energy E = 200 GeV
xFitter 2.2.1
$d^2\sigma/dxdQ^2$
NMC muon DIS Data 0.12<x<0.16
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
Q^2

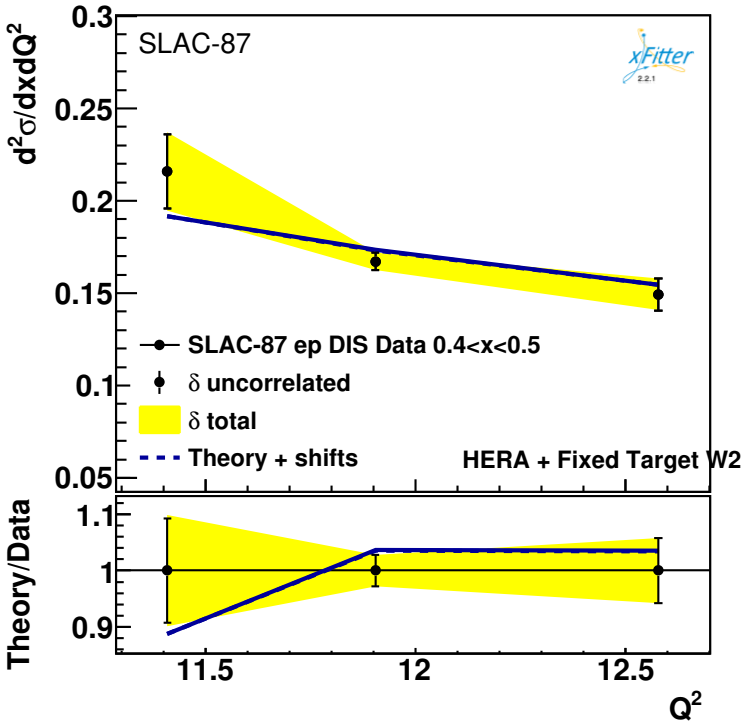

μ beam energy E = 200 GeV
xFitter 2.2.1
$d^2\sigma/dxdQ^2$
NMC muon DIS Data 0.16<x<0.2
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
Q^2

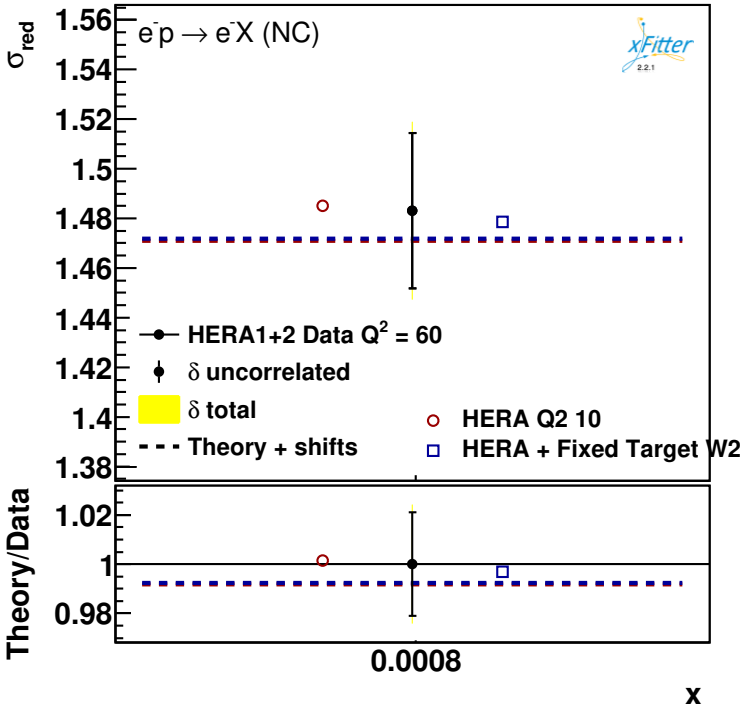

μ beam energy E = 200 GeV
xFitter 2.2.1
$d^2\sigma/dxdQ^2$
NMC muon DIS Data 0.2<x<0.25
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
Q^2

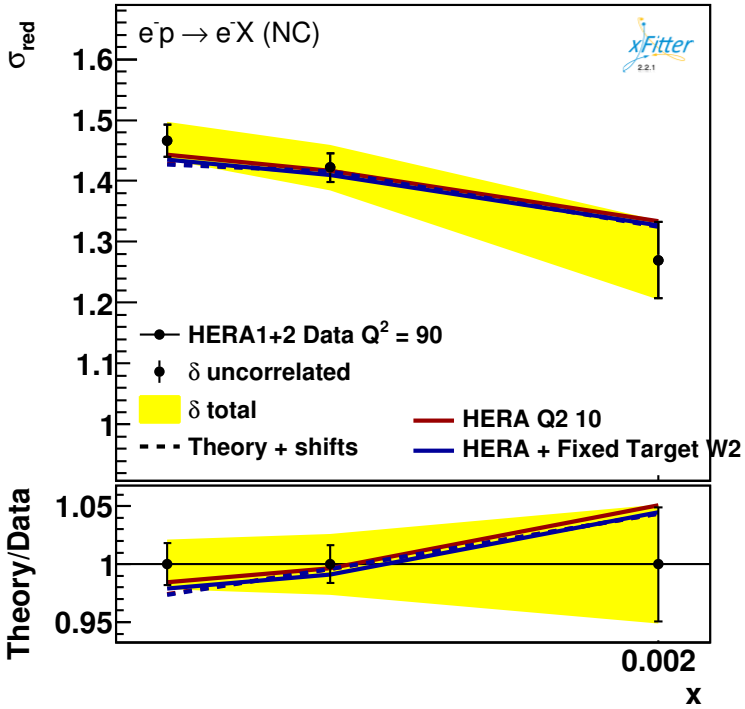

μ beam energy E = 200 GeV
xFitter 2.2.1
$d^2\sigma/dxdQ^2$
NMC muon DIS Data 0.25<x<0.31
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
Q^2

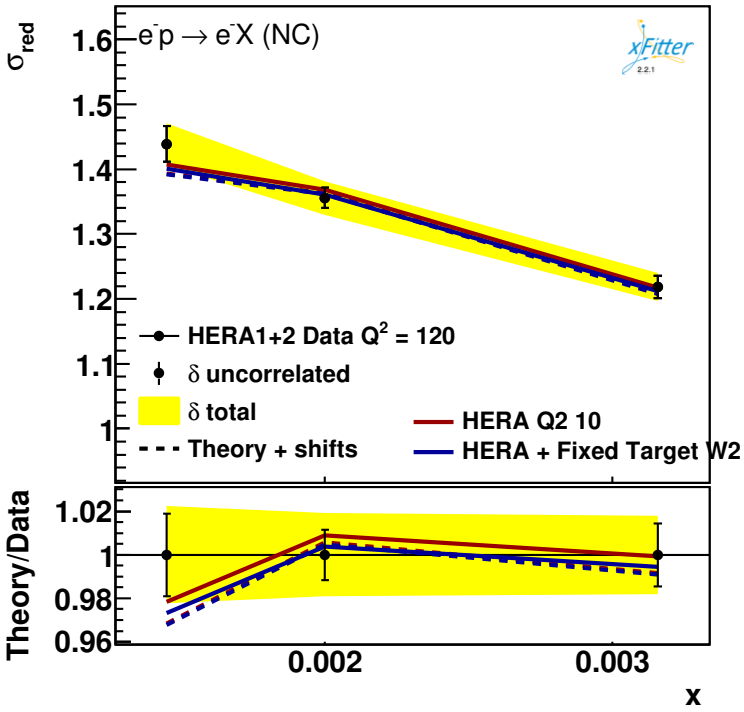

μ beam energy E = 200 GeV
xFitter 2.2.1
$d^2\sigma/dxdQ^2$
NMC muon DIS Data 0.31<x<0.4
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
Q^2

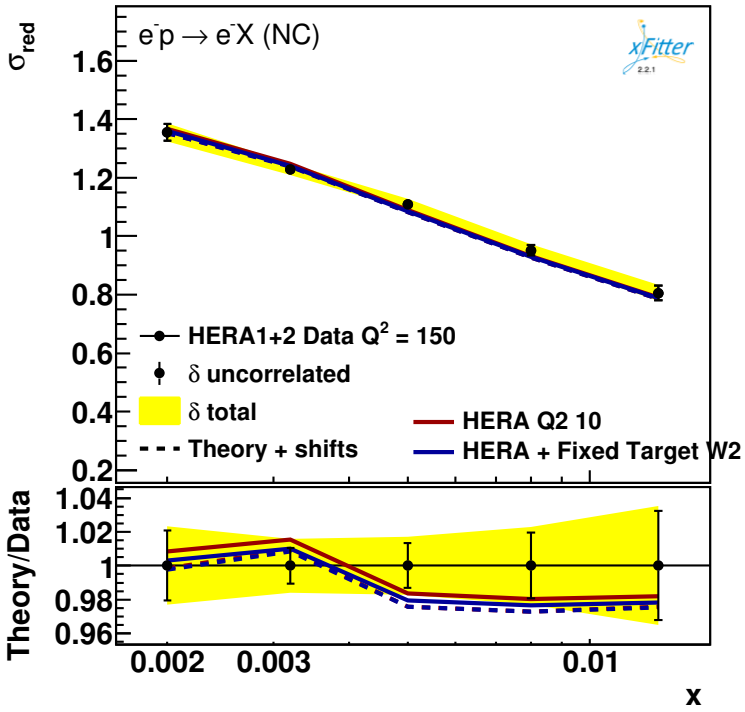

μ beam energy E = 200 GeV
xFitter 2.2.1
$d^2\sigma/dxdQ^2$
NMC muon DIS Data 0.4<x<0.5
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
Q^2

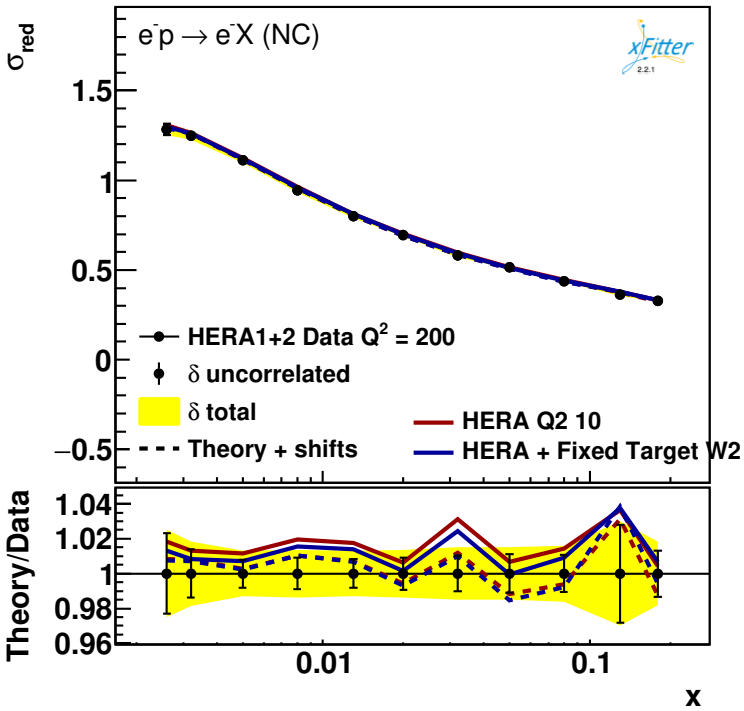

SLAC-87
xFitter 2.2.1
$d^2\sigma/dxdQ^2$
SLAC-87 ep DIS Data 0.4<x<0.5
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
Q^2

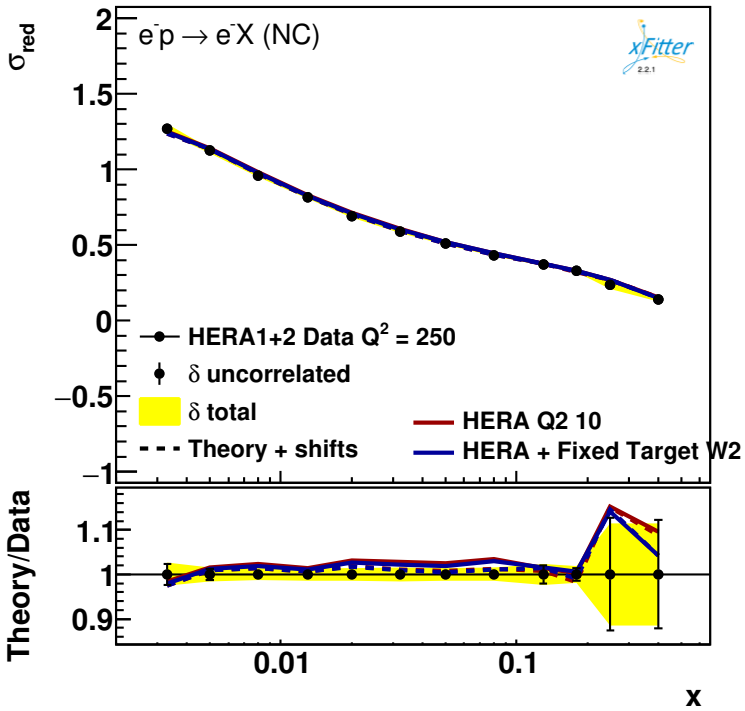

$e^-p \to e^-X$ (NC)
xFitter 2.2.1
σ_{red}
HERA1+2 Data Q^2 = 60
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

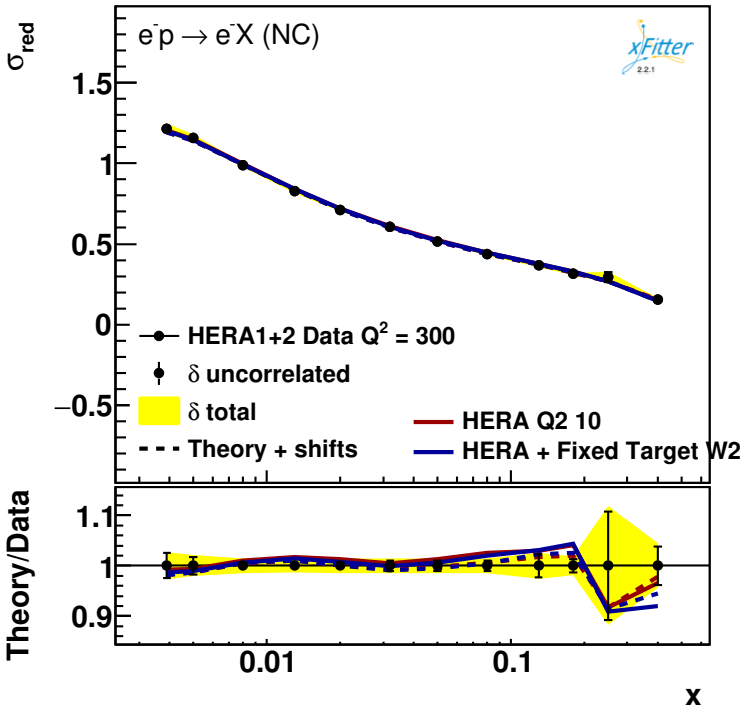

$e^-p \to e^-X$ (NC)
xFitter 2.2.1
σ_{red}
HERA1+2 Data Q^2 = 90
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

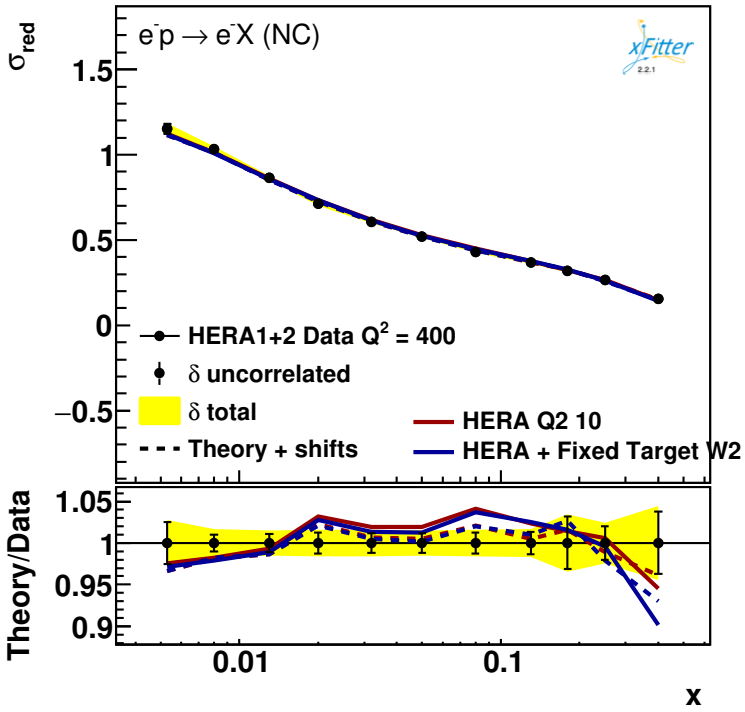

σ_{red}
$e^-p \to e^-X$ (NC)
xFitter 2.2.1
HERA1+2 Data Q^2 = 120
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

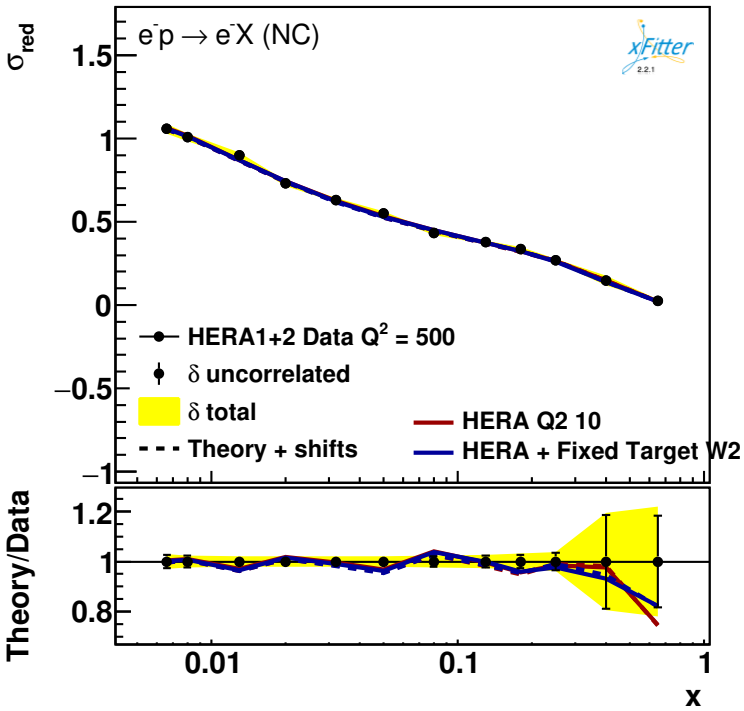

σ_{red}
$e^-p \to e^-X$ (NC)
xFitter 2.2.1
HERA1+2 Data Q^2 = 150
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

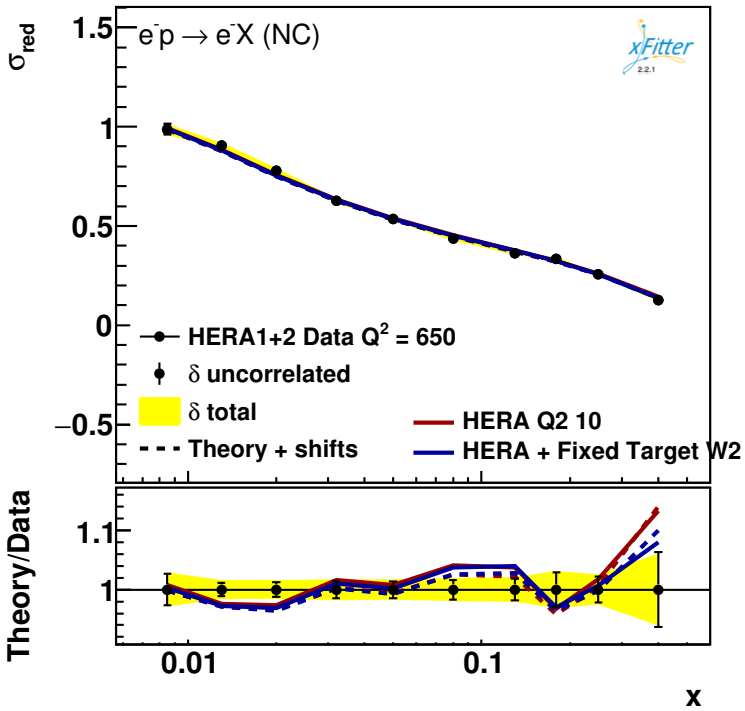

σ_{red}
$e^-p \to e^-X$ (NC)
xFitter 2.2.1
HERA1+2 Data Q^2 = 200
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

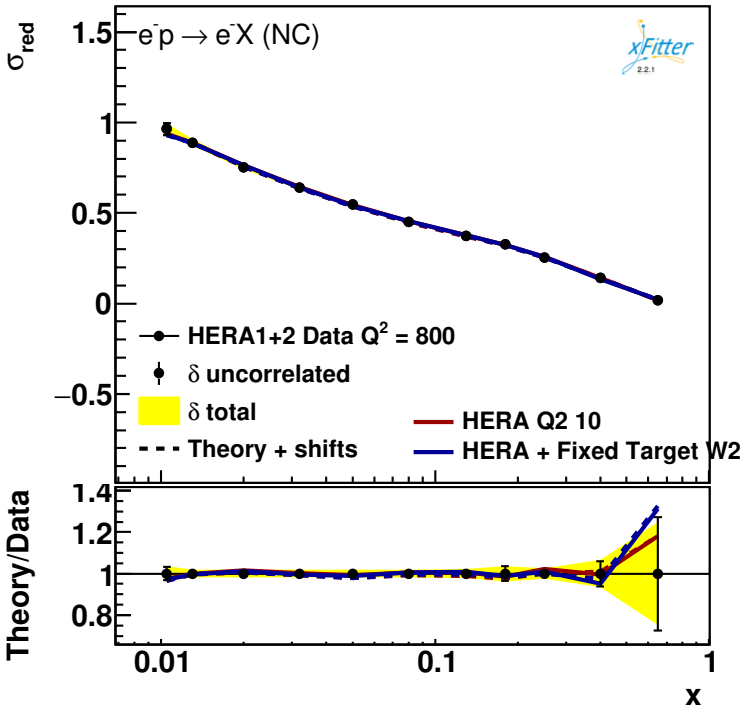

σ_{red}
$e^-p \to e^-X$ (NC)
xFitter 2.2.1
HERA1+2 Data Q^2 = 250
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

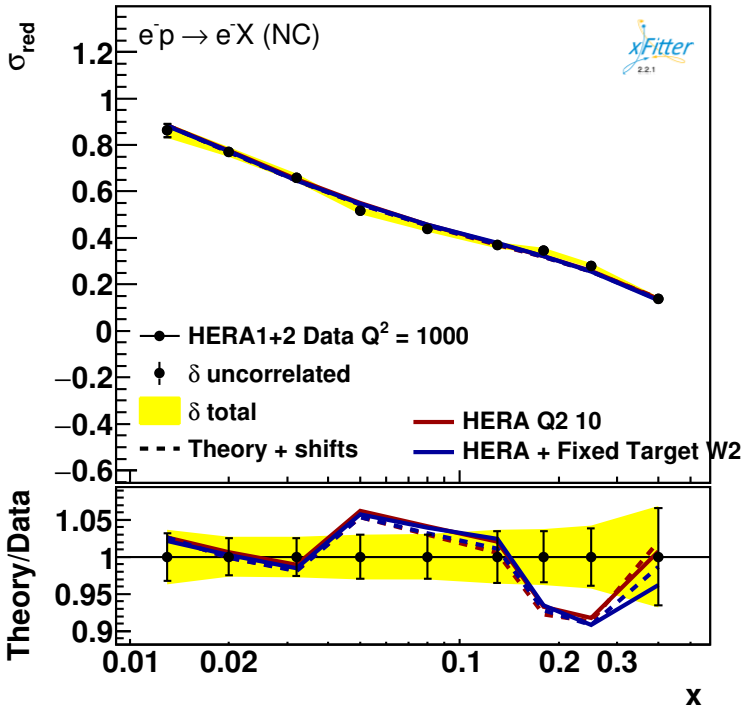

σ_{red}
$e^-p \to e^-X$ (NC)
xFitter 2.2.1
HERA1+2 Data Q^2 = 300
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

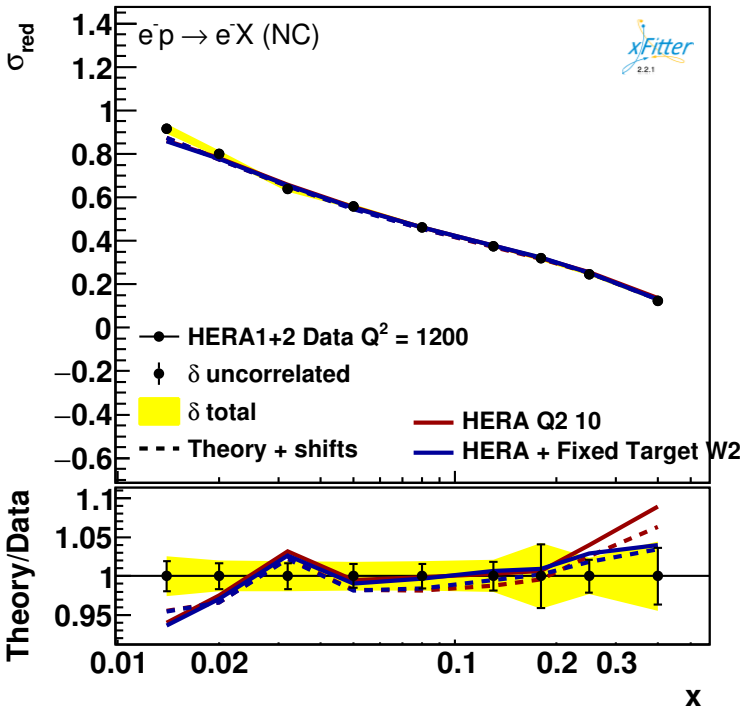

σ_{red}
$e^-p \to e^-X$ (NC)
xFitter 2.2.1
HERA1+2 Data Q^2 = 400
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

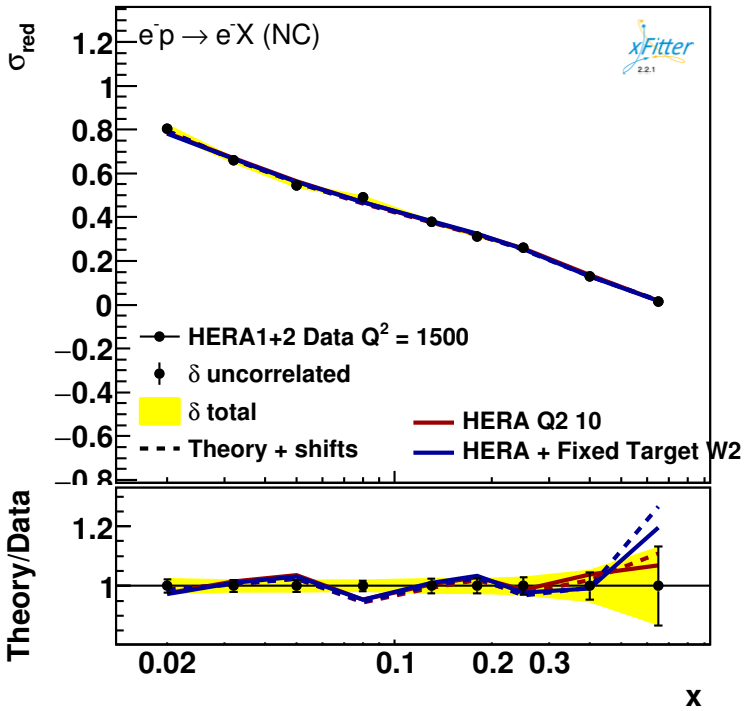

σ_{red}
$e^-p \to e^-X$ (NC)
xFitter 2.2.1
HERA1+2 Data Q^2 = 500
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

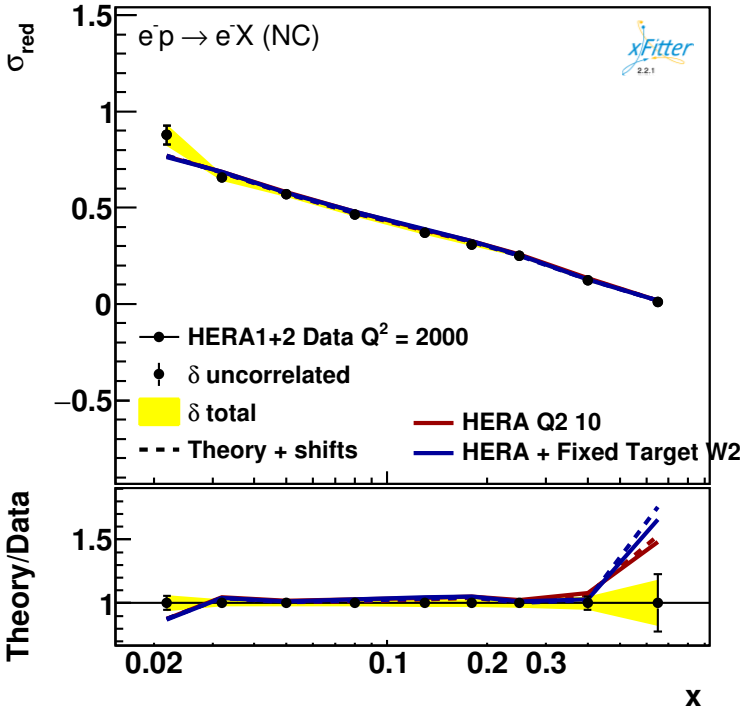

σ_{red}
$e^-p \to e^-X$ (NC)
xFitter 2.2.1
HERA1+2 Data Q^2 = 650
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

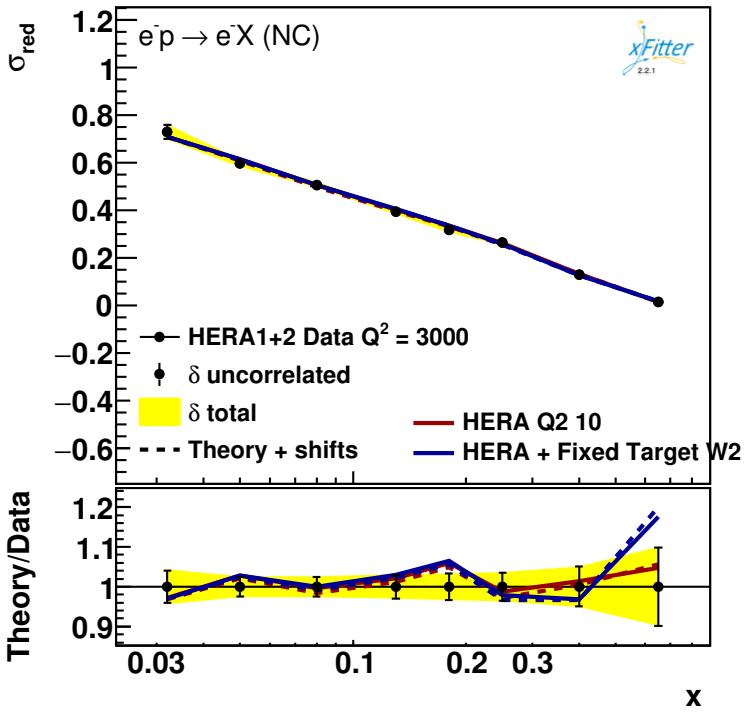

σ_{red}
$e^-p \to e^-X$ (NC)
xFitter 2.2.1
HERA1+2 Data Q^2 = 800
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

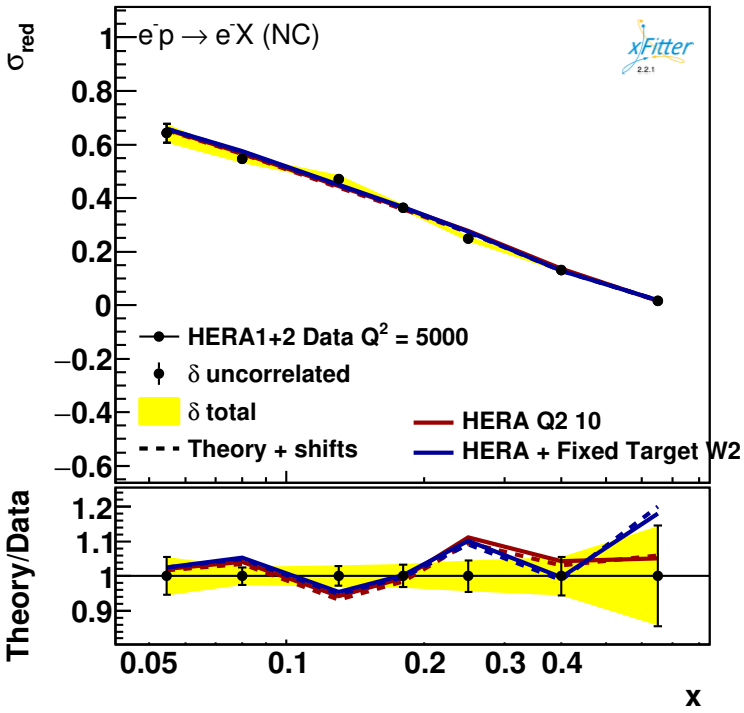

σ_{red}
$e^-p \to e^-X$ (NC)
xFitter 2.2.1
HERA1+2 Data Q^2 = 1000
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

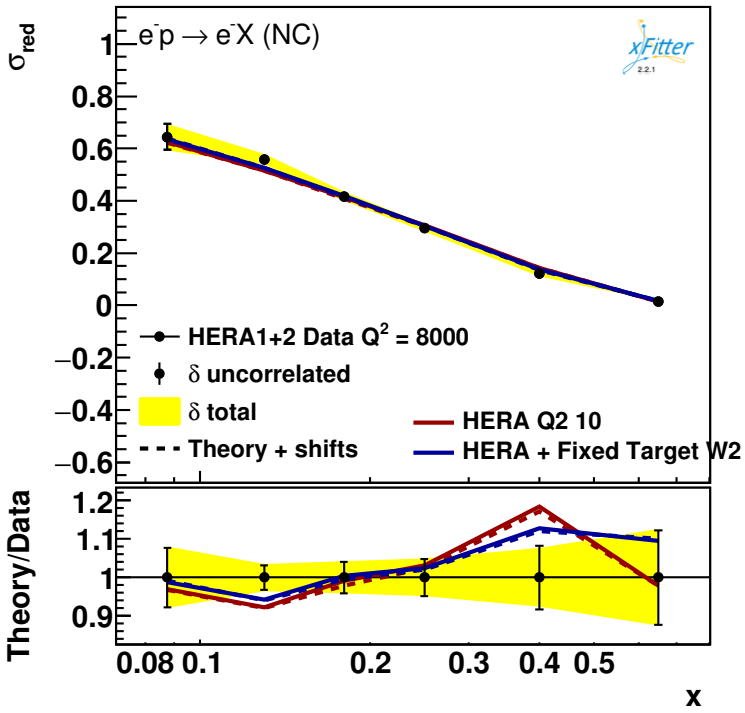

σ_{red}
$e^-p \to e^-X$ (NC)
xFitter 2.2.1
HERA1+2 Data Q^2 = 1200
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

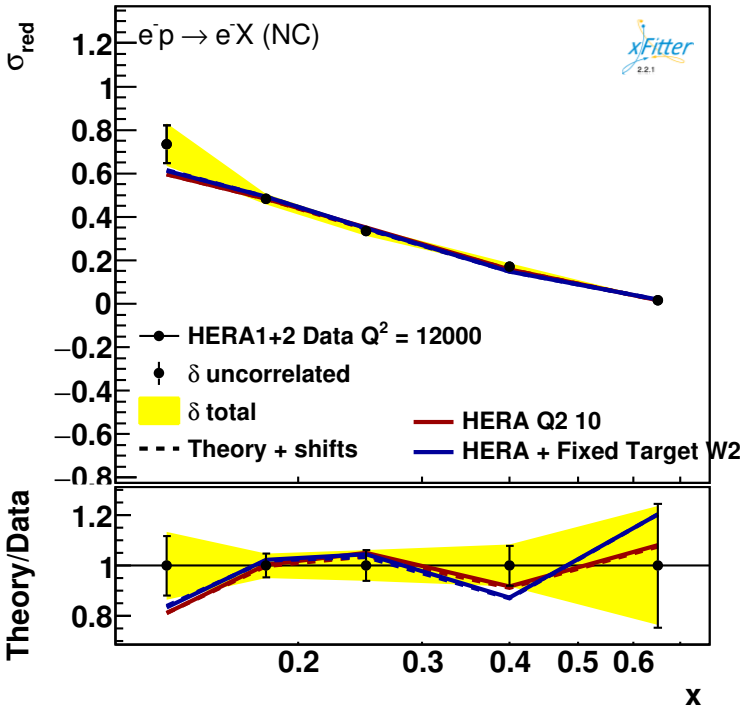

σ_{red}
$e^-p \to e^-X$ (NC)
xFitter 2.2.1
HERA1+2 Data Q^2 = 1500
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

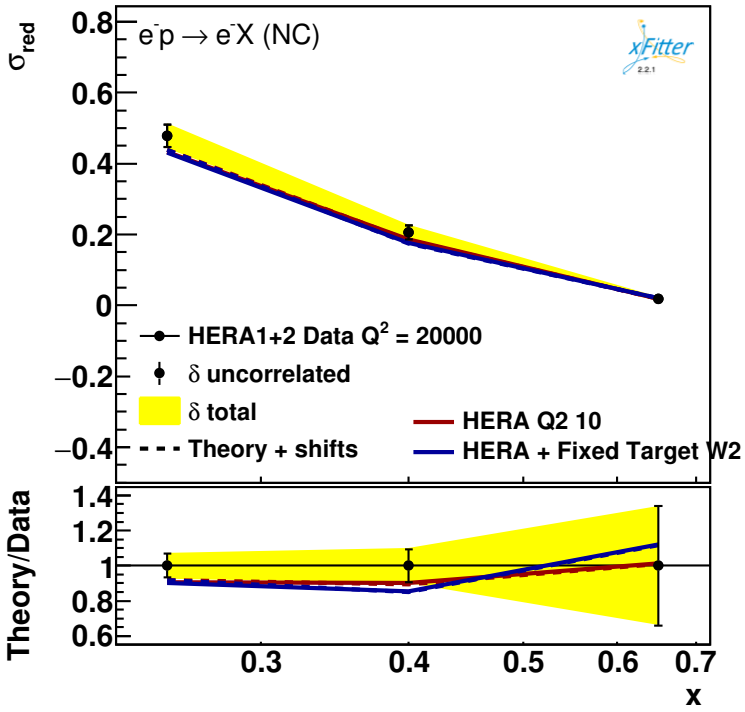

σ_{red}
$e^-p \to e^-X$ (NC)
xFitter 2.2.1
HERA1+2 Data Q^2 = 2000
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

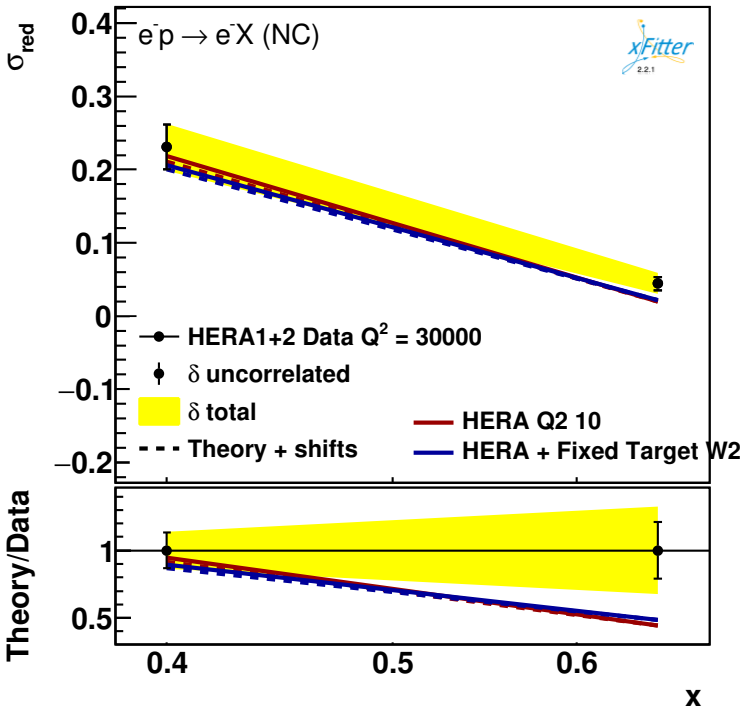

σ_{red}
$e^-p \to e^-X$ (NC)
xFitter 2.2.1
HERA1+2 Data Q^2 = 3000
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

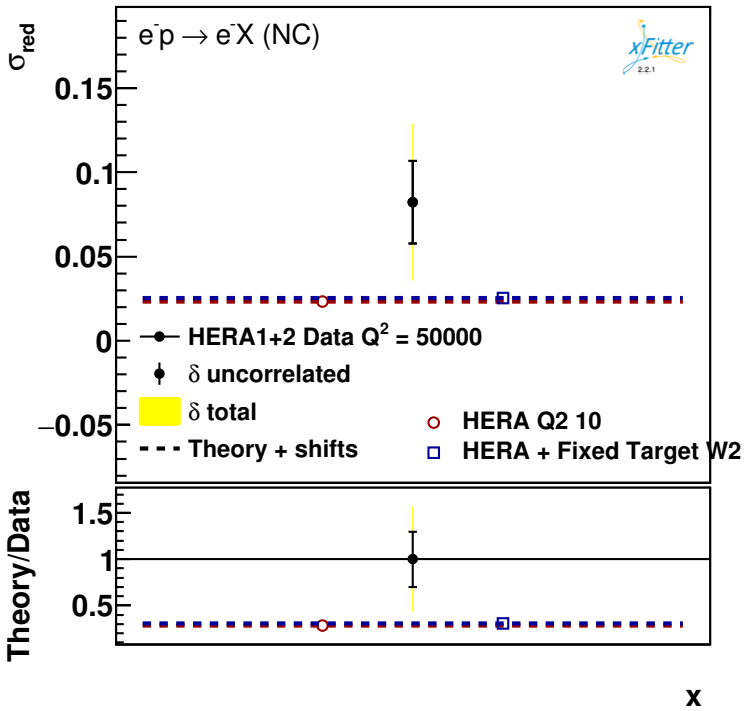

σ_{red}
$e^-p \to e^-X$ (NC)
xFitter 2.2.1
HERA1+2 Data Q^2 = 5000
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

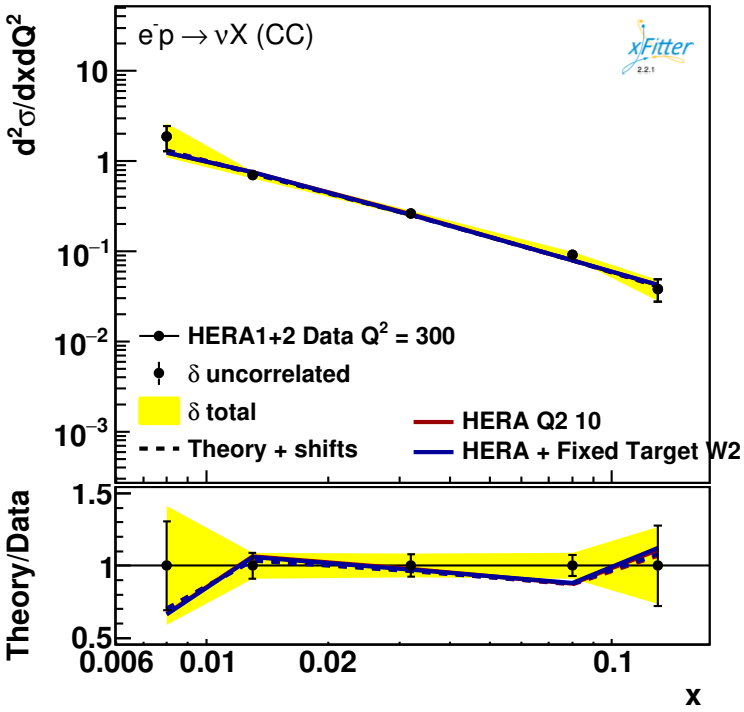

σ_{red}
$e^-p \to e^-X$ (NC)
xFitter 2.2.1
HERA1+2 Data Q^2 = 8000
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

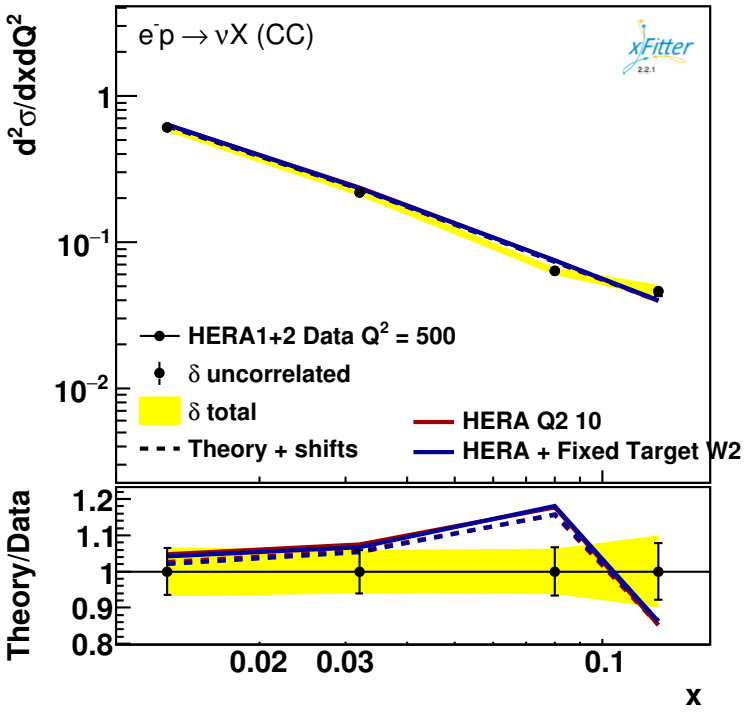

σ_{red}
$e^-p \to e^-X$ (NC)
xFitter 2.2.1
HERA1+2 Data Q^2 = 12000
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

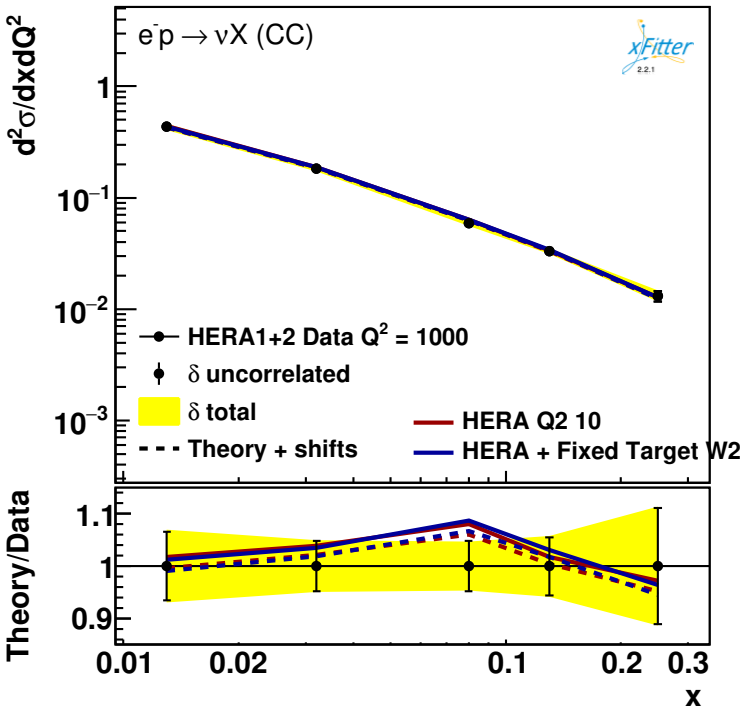

σ_{red}
$e^-p \to e^-X$ (NC)
xFitter 2.2.1
HERA1+2 Data Q^2 = 20000
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

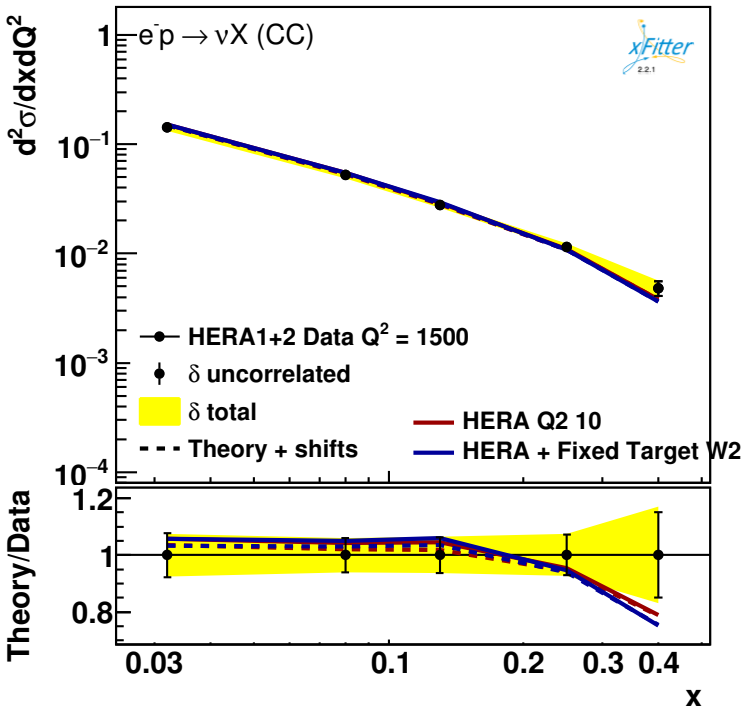

σ_{red}
$e^-p \to e^-X$ (NC)
xFitter 2.2.1
HERA1+2 Data Q^2 = 30000
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

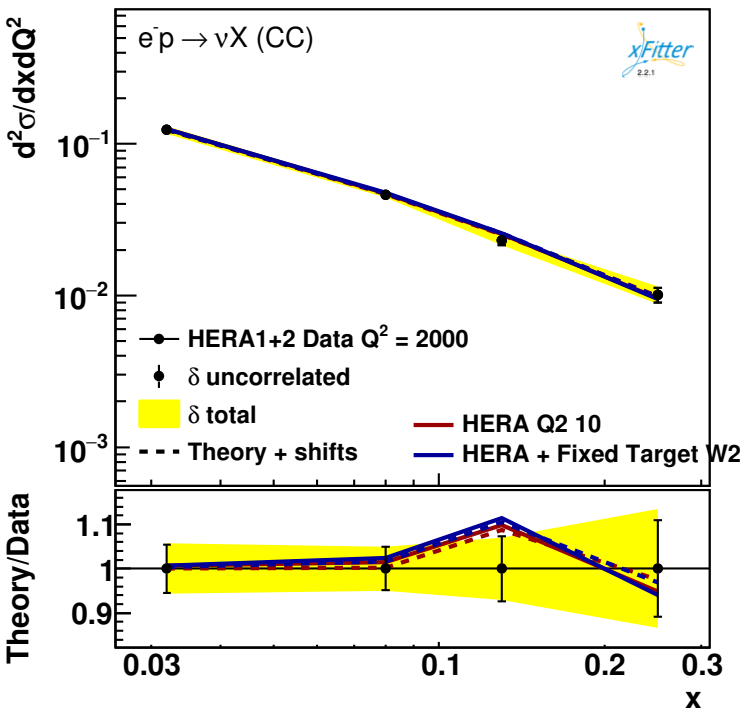

σ_{red}
$e^-p \to e^-X$ (NC)
xFitter 2.2.1
HERA1+2 Data Q^2 = 50000
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

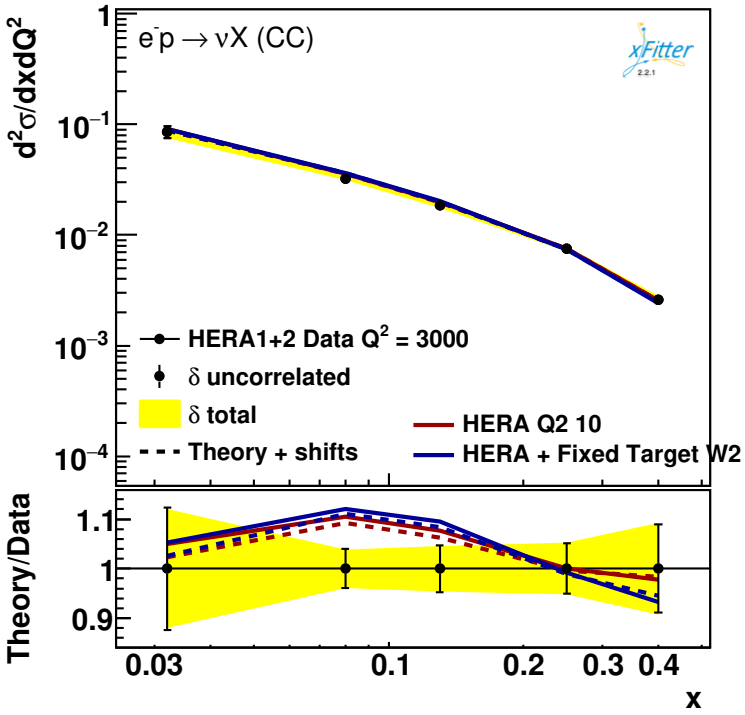

e⁻p → νX (CC)
xFitter 2.2.1
d²σ/dxdQ²
HERA1+2 Data Q² = 300
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

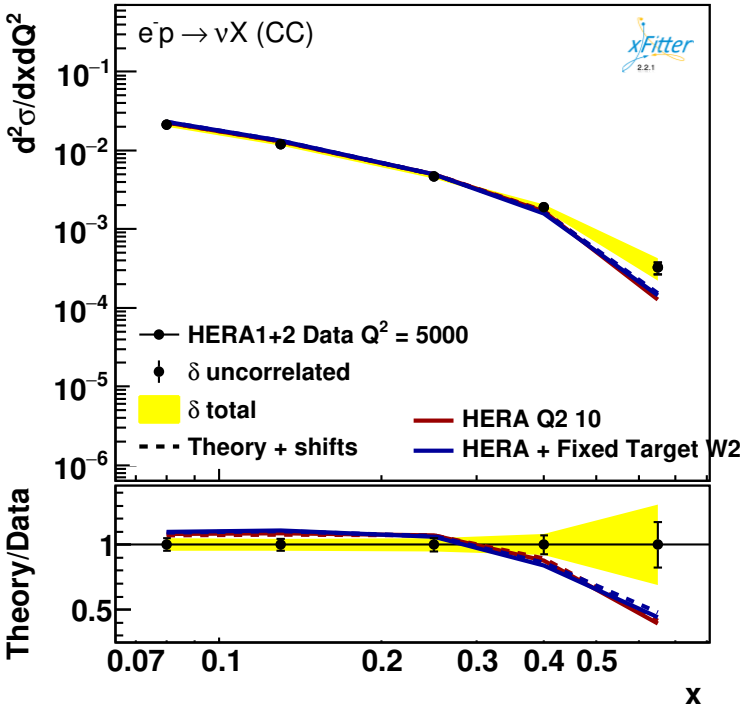

e⁻p → νX (CC)
xFitter 2.2.1
d²σ/dxdQ²
HERA1+2 Data Q² = 500
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

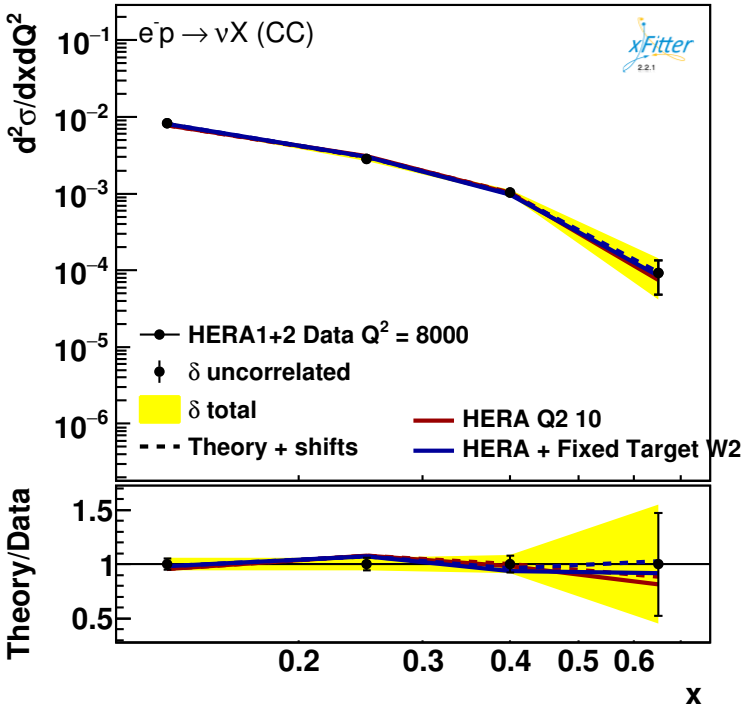

e⁻p → νX (CC)
xFitter 2.2.1
d²σ/dxdQ²
HERA1+2 Data Q² = 1000
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

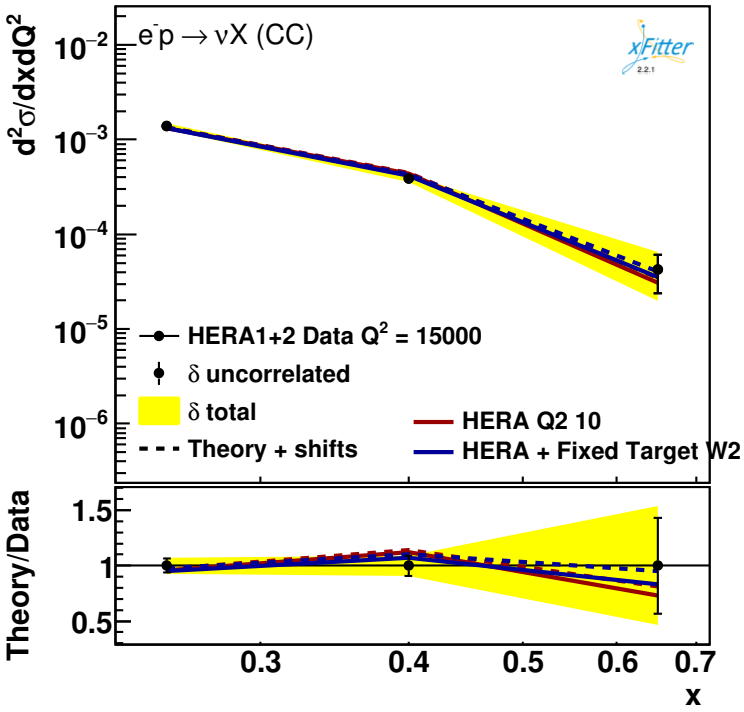

e⁻p → νX (CC)
xFitter 2.2.1
d²σ/dxdQ²
HERA1+2 Data Q² = 1500
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

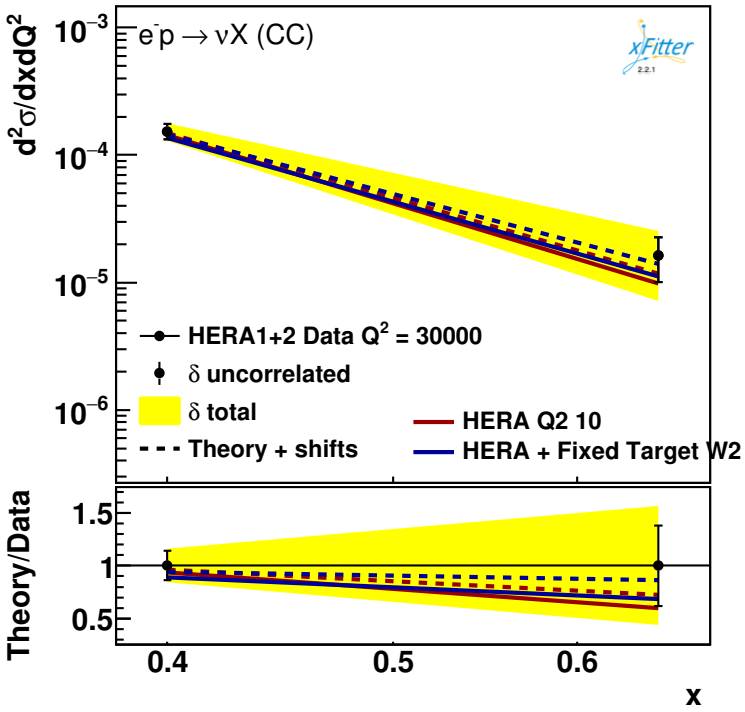

e⁻p → νX (CC)
xFitter 2.2.1
d²σ/dxdQ²
HERA1+2 Data Q² = 2000
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

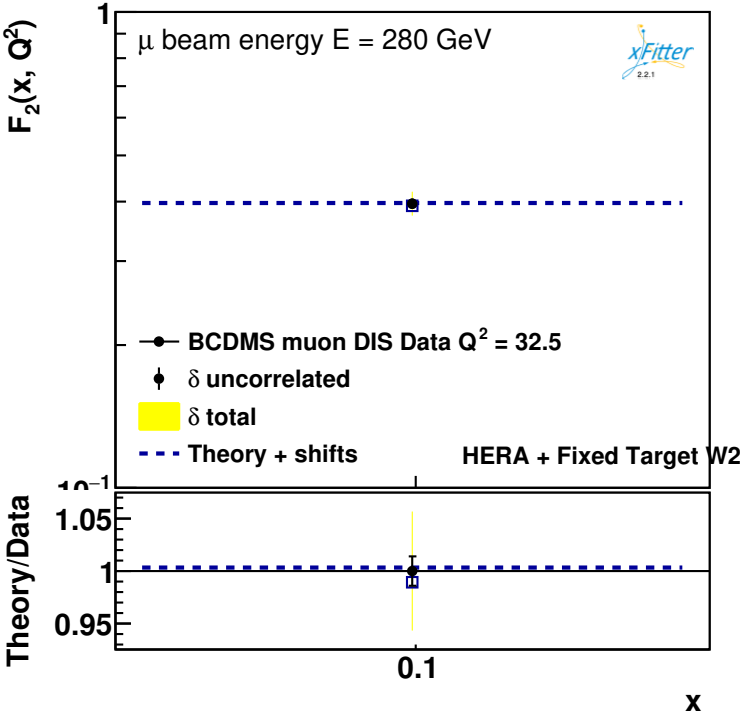

e⁻p → νX (CC)
xFitter 2.2.1
d²σ/dxdQ²
HERA1+2 Data Q² = 3000
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

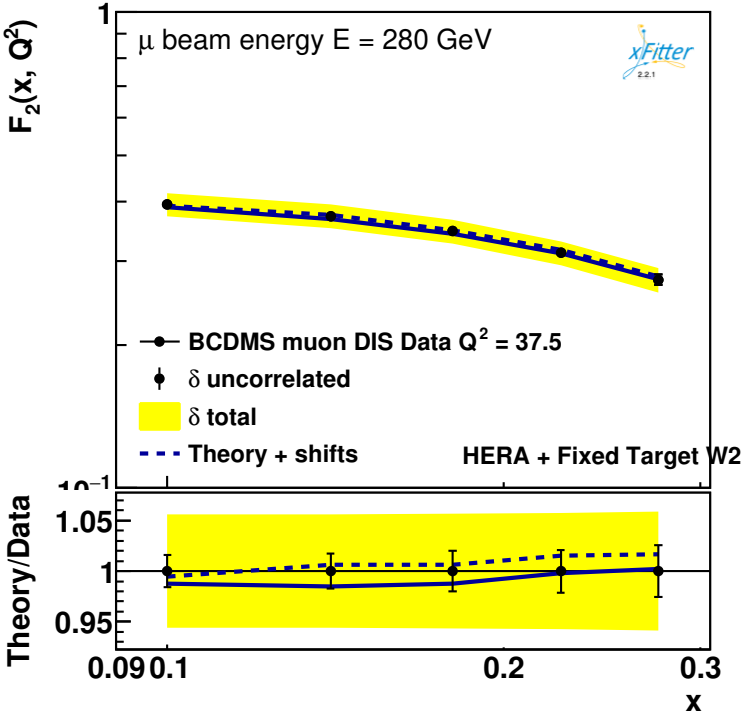

e⁻p → νX (CC)
xFitter 2.2.1
d²σ/dxdQ²
HERA1+2 Data Q² = 5000
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

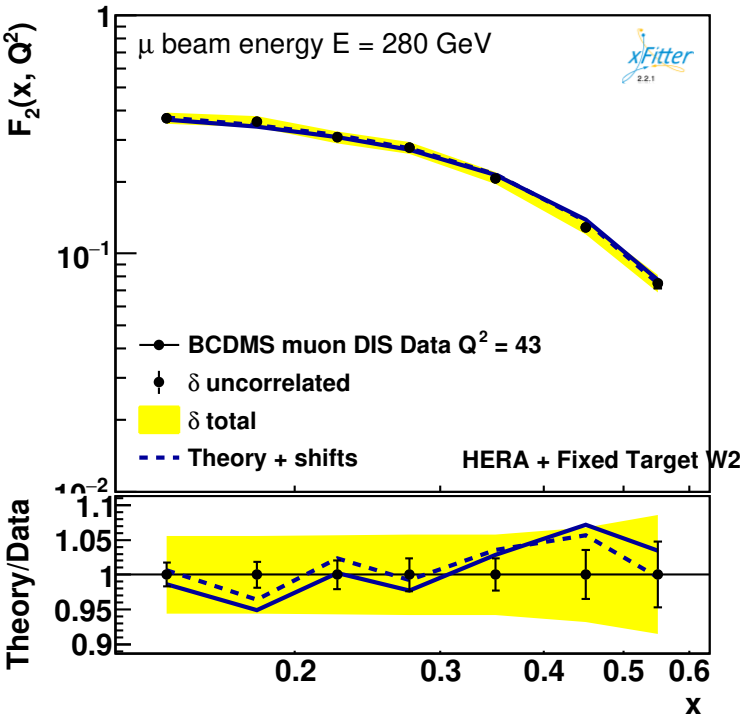

e⁻p → νX (CC)
xFitter 2.2.1
d²σ/dxdQ²
HERA1+2 Data Q² = 8000
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

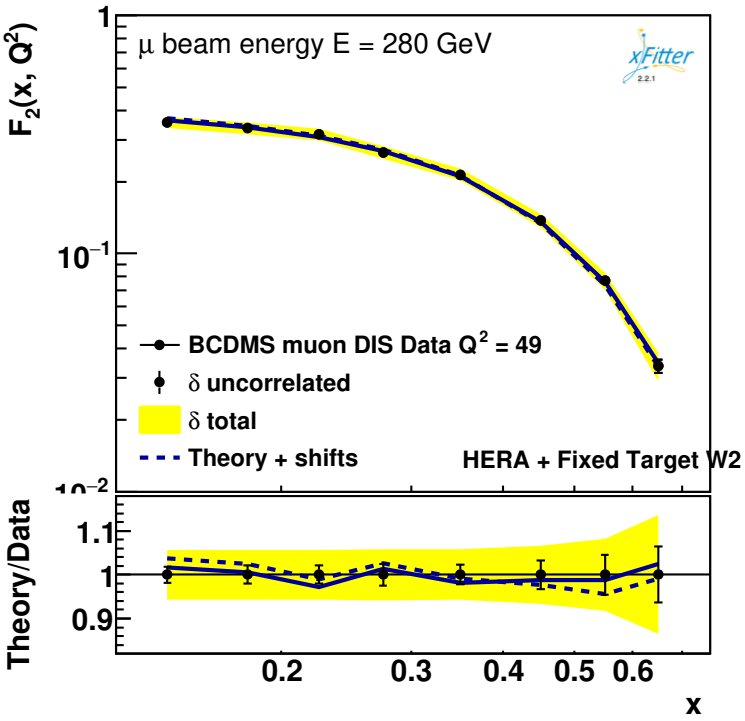

e⁻p → νX (CC)
xFitter 2.2.1
d²σ/dxdQ²
HERA1+2 Data Q² = 15000
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

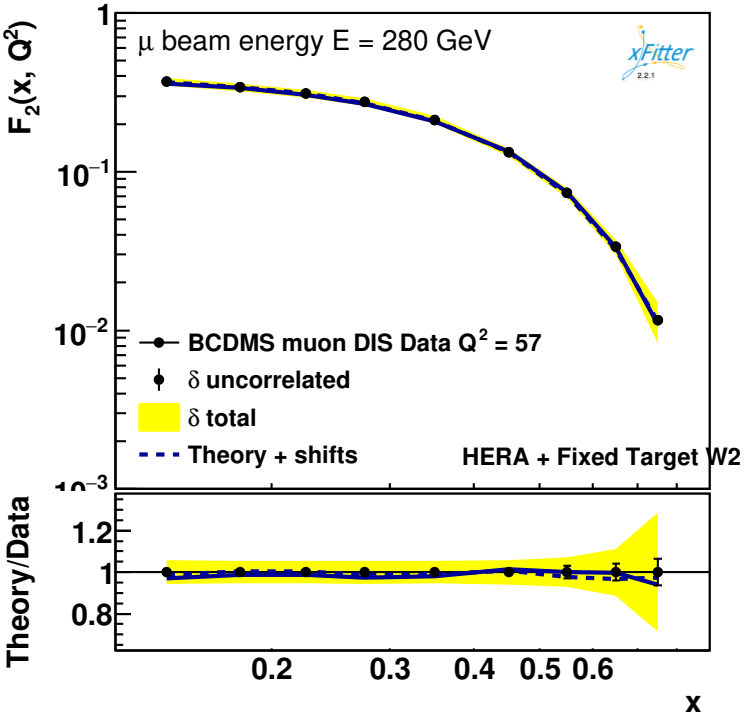

e⁻p → νX (CC)
xFitter 2.2.1
d²σ/dxdQ²
HERA1+2 Data Q² = 30000
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

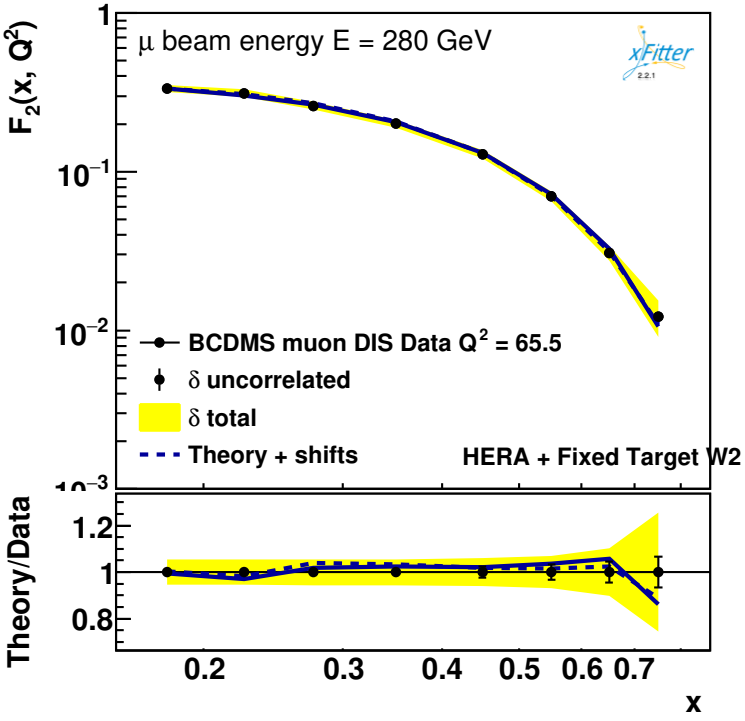

μ beam energy E = 280 GeV
xFitter 2.2.1
F₂(x, Q²)
BCDMS muon DIS Data Q² = 32.5
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
x

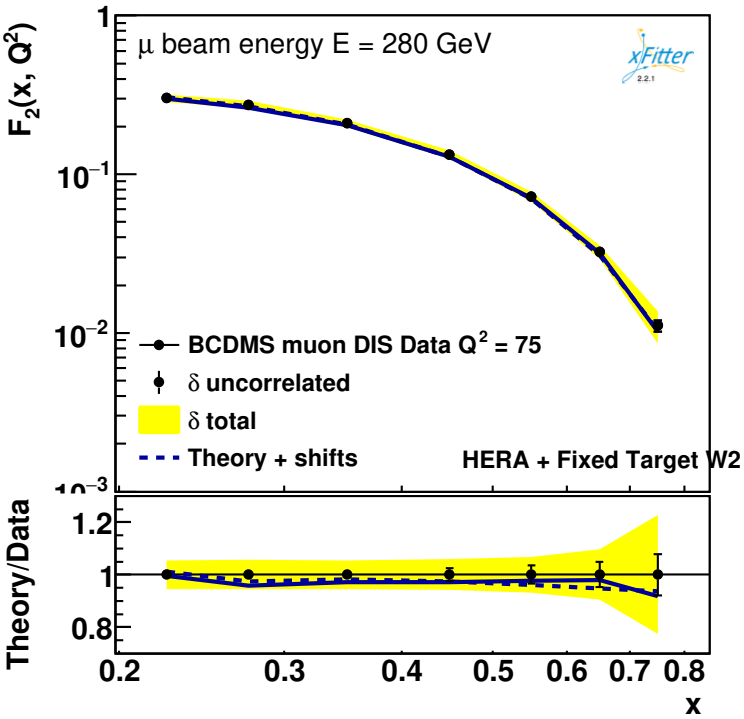

μ beam energy E = 280 GeV
xFitter 2.2.1
F₂(x, Q²)
BCDMS muon DIS Data Q² = 37.5
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
x

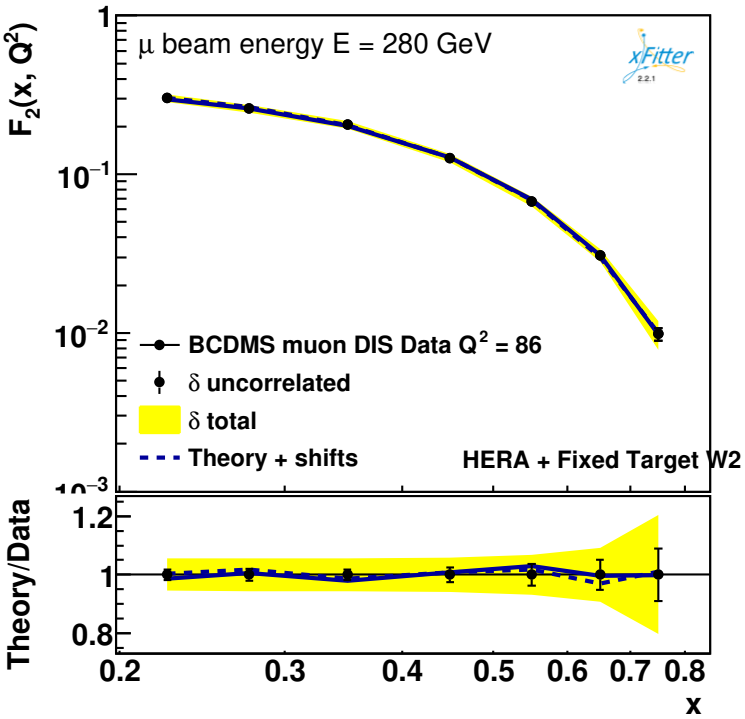

μ beam energy E = 280 GeV
xFitter 2.2.1
$F_2(x, Q^2)$
BCDMS muon DIS Data Q^2 = 43
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
x

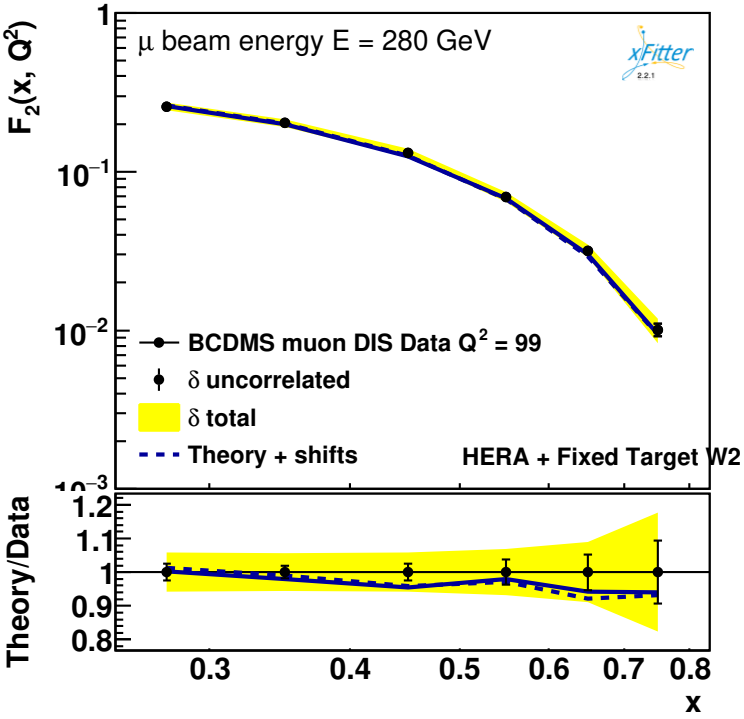

μ beam energy E = 280 GeV
xFitter 2.2.1
$F_2(x, Q^2)$
BCDMS muon DIS Data Q^2 = 49
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
x

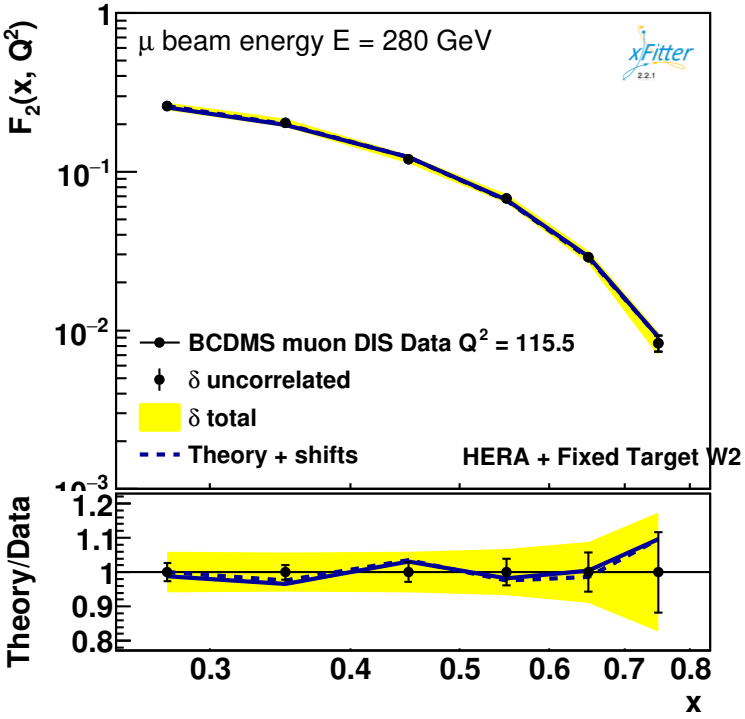

μ beam energy E = 280 GeV
xFitter 2.2.1
$F_2(x, Q^2)$
BCDMS muon DIS Data Q^2 = 57
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
x

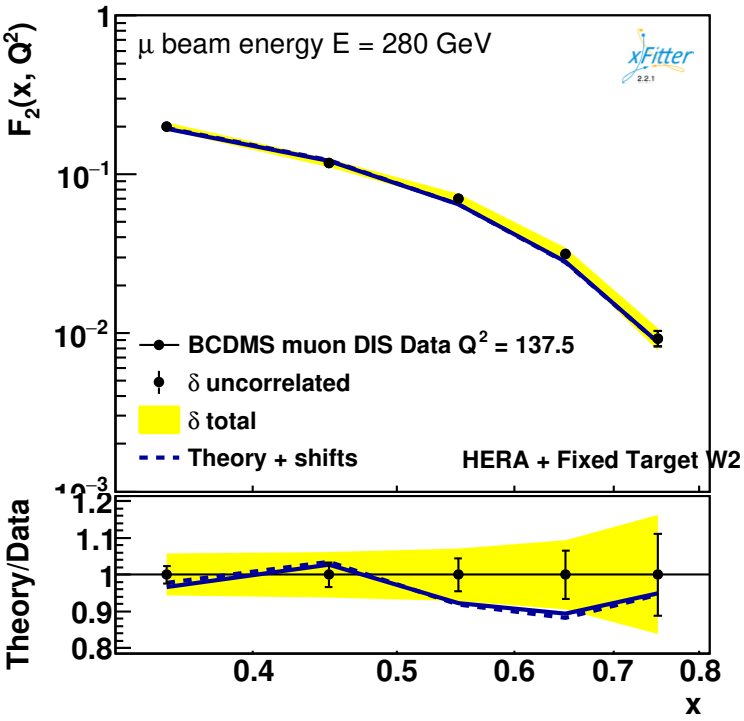

μ beam energy E = 280 GeV
xFitter 2.2.1
$F_2(x, Q^2)$
BCDMS muon DIS Data Q^2 = 65.5
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
x

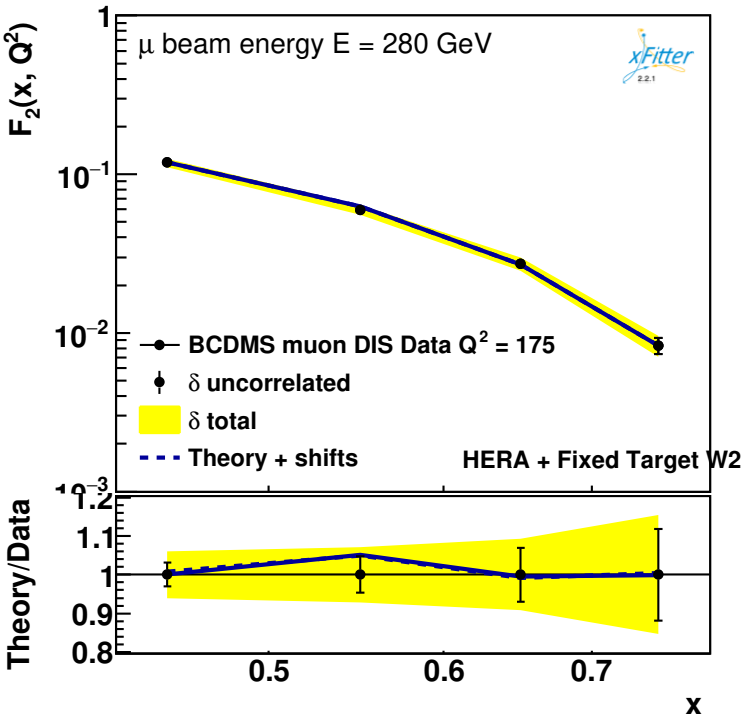

μ beam energy E = 280 GeV
xFitter 2.2.1
$F_2(x, Q^2)$
BCDMS muon DIS Data Q^2 = 75
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
x

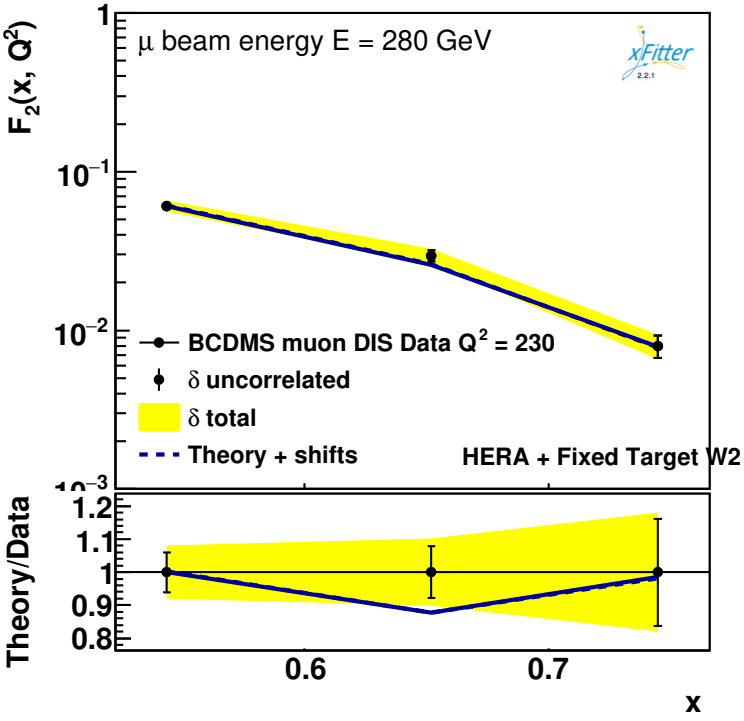

μ beam energy E = 280 GeV
xFitter 2.2.1
$F_2(x, Q^2)$
BCDMS muon DIS Data Q^2 = 86
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
x

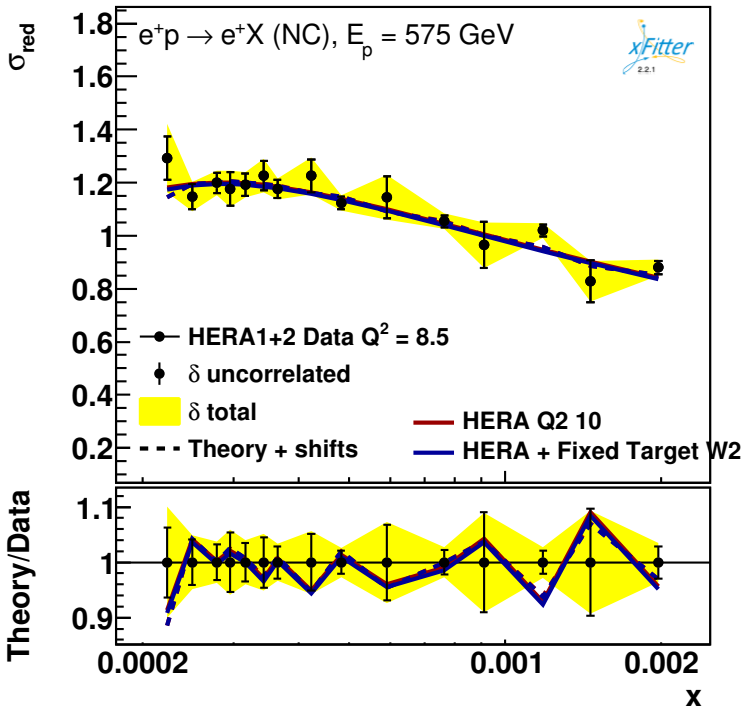

μ beam energy E = 280 GeV
xFitter 2.2.1
$F_2(x, Q^2)$
BCDMS muon DIS Data Q^2 = 99
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
x

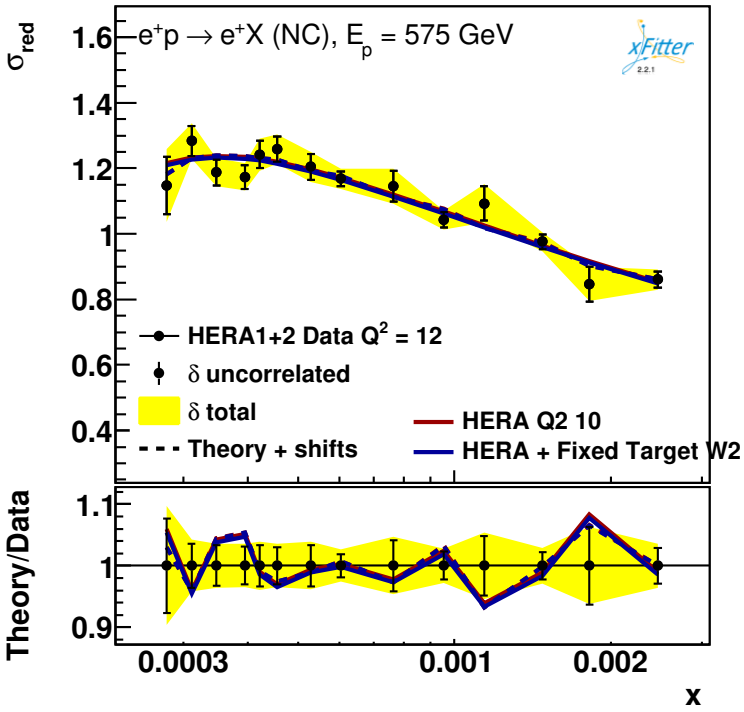

μ beam energy E = 280 GeV
xFitter 2.2.1
$F_2(x, Q^2)$
BCDMS muon DIS Data Q^2 = 115.5
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
x

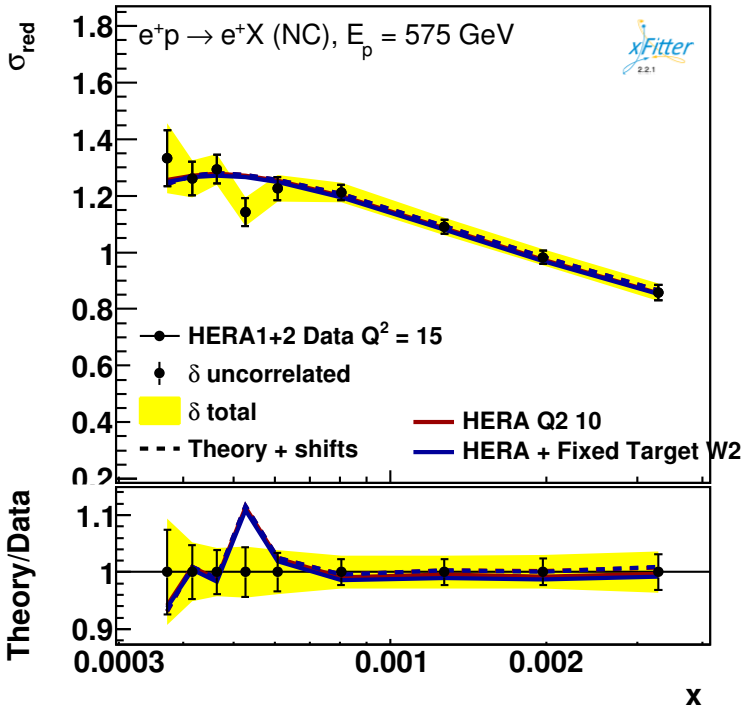

μ beam energy E = 280 GeV
xFitter 2.2.1
$F_2(x, Q^2)$
BCDMS muon DIS Data Q^2 = 137.5
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
x

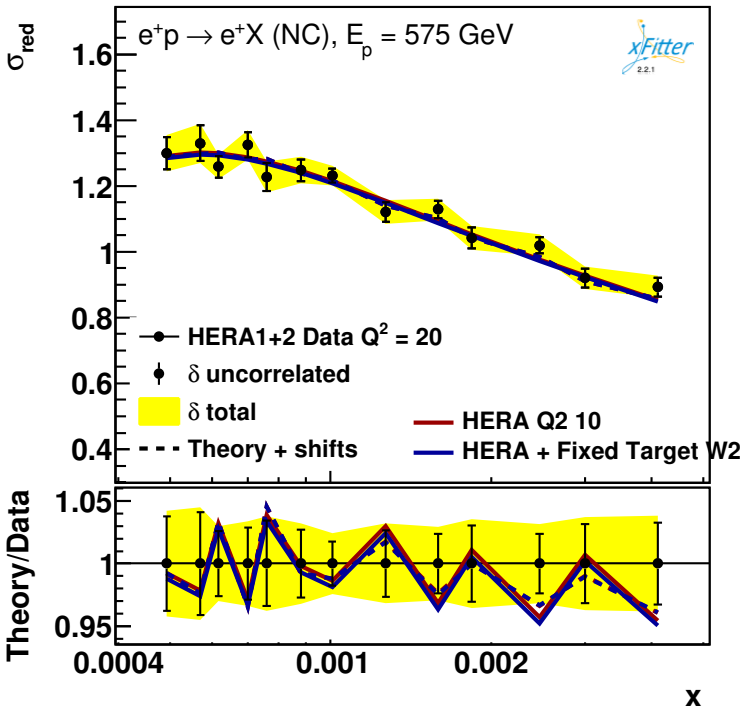

μ beam energy E = 280 GeV
xFitter 2.2.1
$F_2(x, Q^2)$
BCDMS muon DIS Data Q^2 = 175
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
x

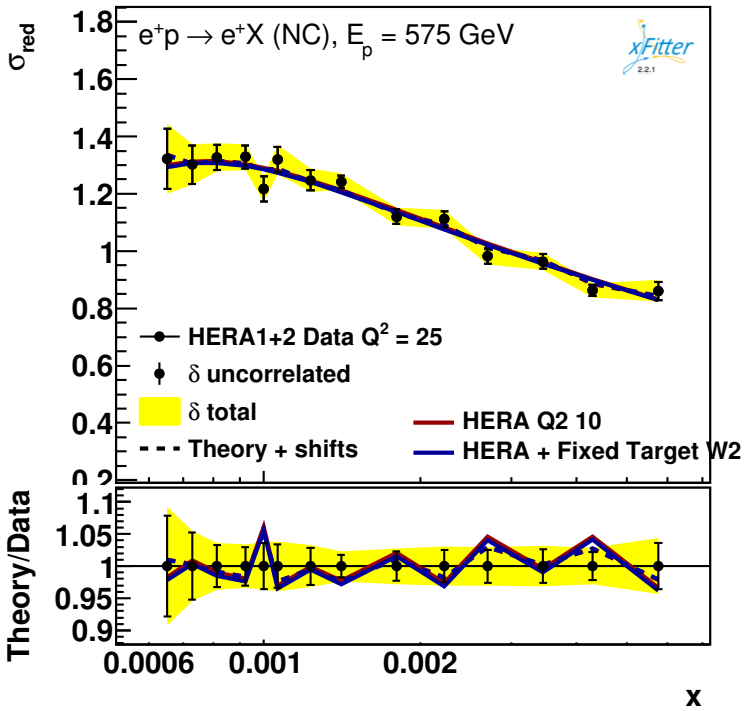

μ beam energy E = 280 GeV
xFitter 2.2.1
$F_2(x, Q^2)$
BCDMS muon DIS Data Q^2 = 230
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
x

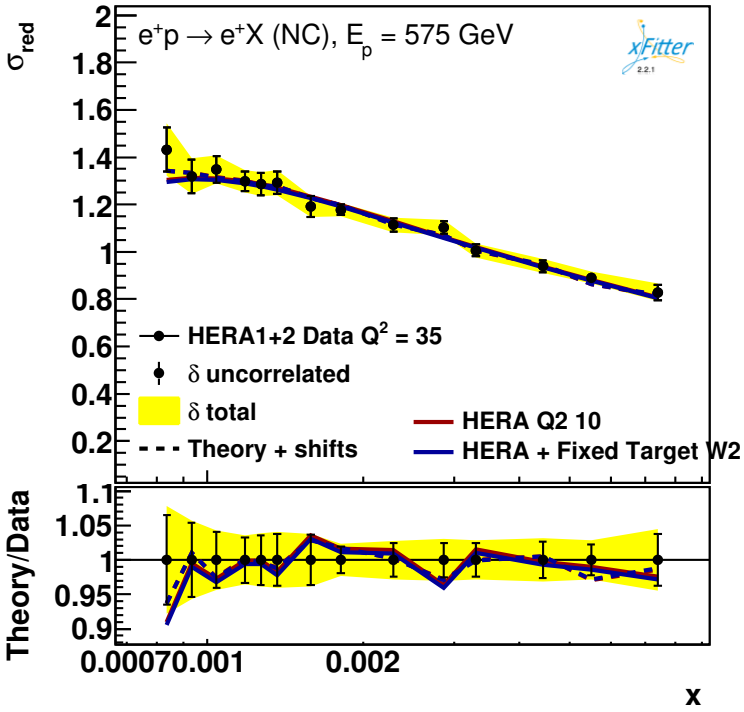

$e^+p \rightarrow e^+X$ (NC), E_p = 575 GeV
xFitter 2.2.1
σ_{red}
HERA1+2 Data Q^2 = 8.5
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

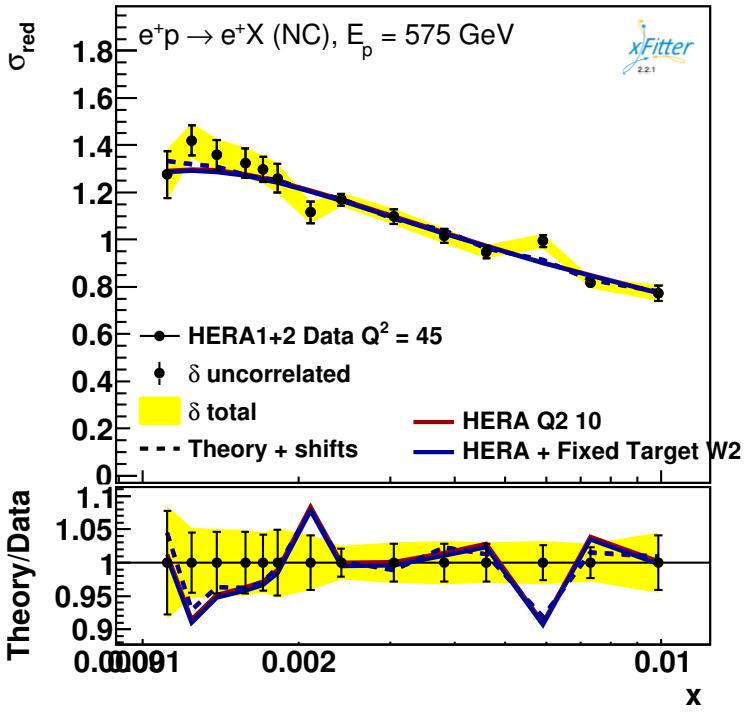

σ_{red}
$e^+p \to e^+X$ (NC), E_p = 575 GeV
xFitter 2.2.1
HERA1+2 Data Q^2 = 12
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

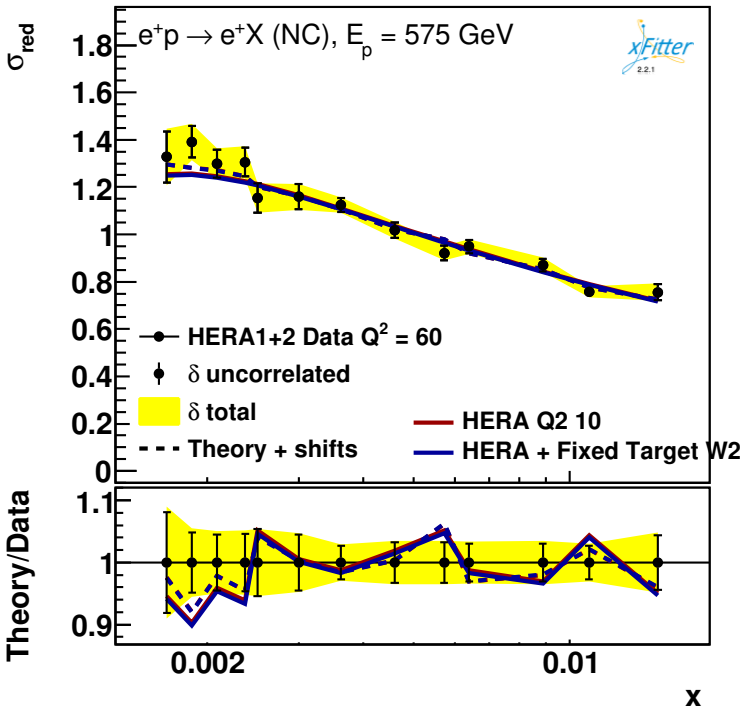

σ_{red}
$e^+p \to e^+X$ (NC), E_p = 575 GeV
xFitter 2.2.1
HERA1+2 Data Q^2 = 15
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

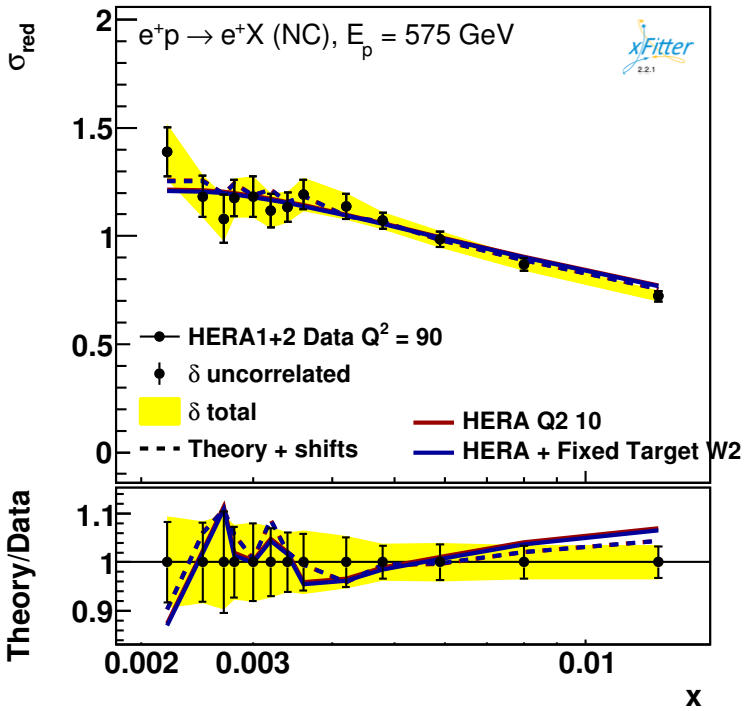

σ_{red}
$e^+p \to e^+X$ (NC), E_p = 575 GeV
xFitter 2.2.1
HERA1+2 Data Q^2 = 20
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

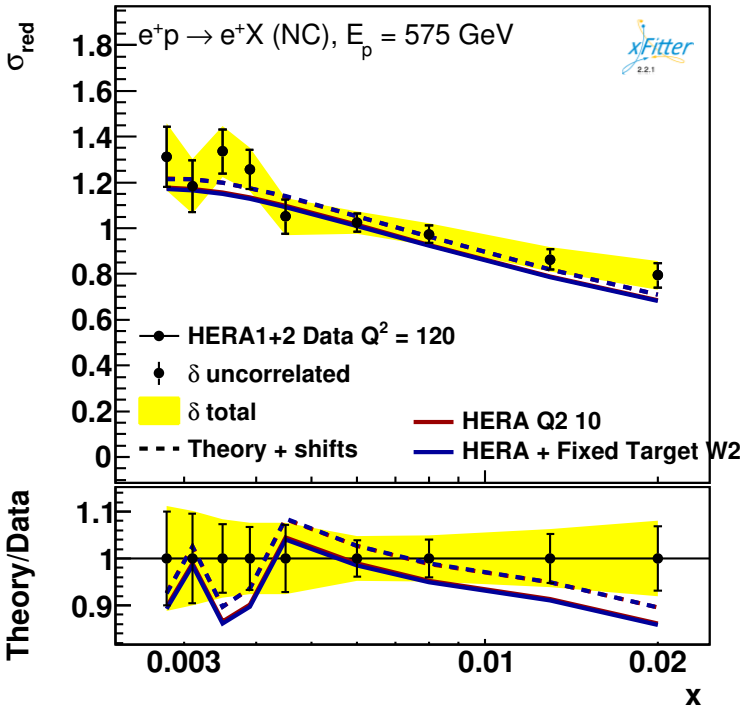

σ_{red}
$e^+p \to e^+X$ (NC), E_p = 575 GeV
xFitter 2.2.1
HERA1+2 Data Q^2 = 25
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

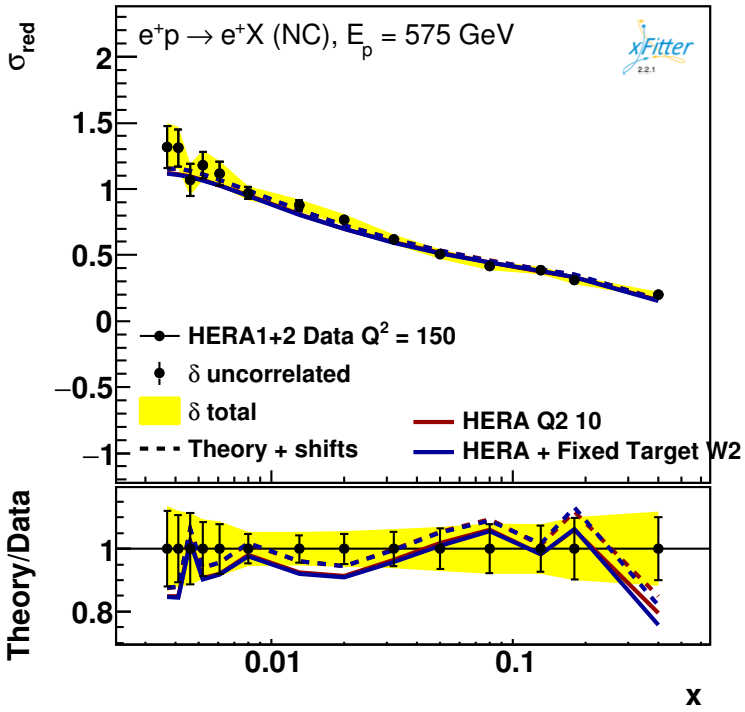

$e^+p \to e^+X$ (NC), E_p = 575 GeV
xFitter 2.2.1
σ_{red}
HERA1+2 Data Q^2 = 35
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

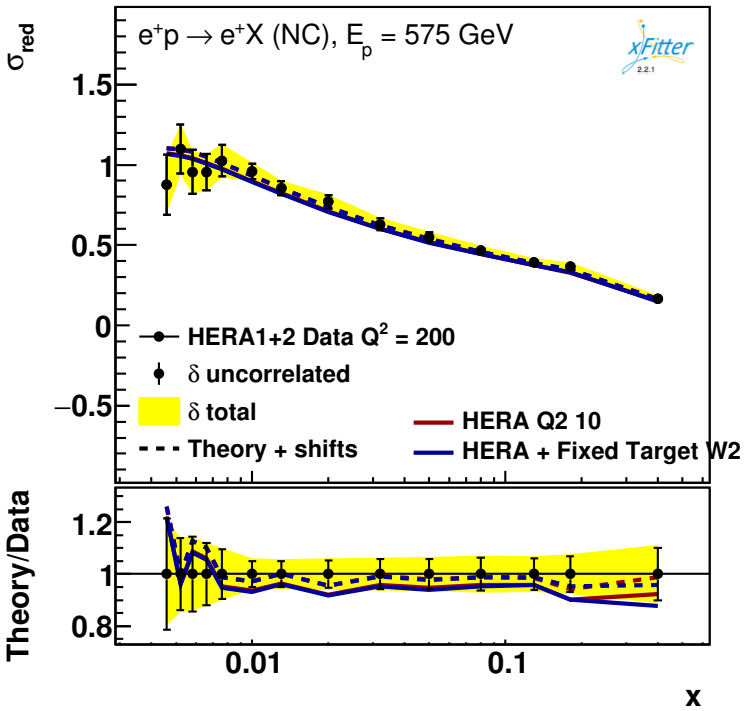

$e^+p \to e^+X$ (NC), E_p = 575 GeV
xFitter 2.2.1
σ_{red}
HERA1+2 Data Q^2 = 45
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

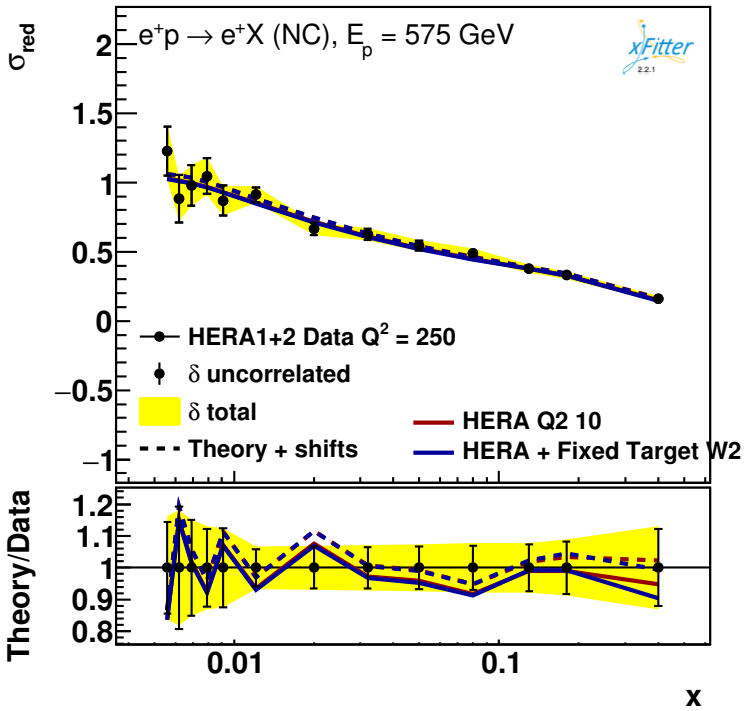

$e^+p \to e^+X$ (NC), E_p = 575 GeV
xFitter 2.2.1
σ_{red}
HERA1+2 Data Q^2 = 60
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

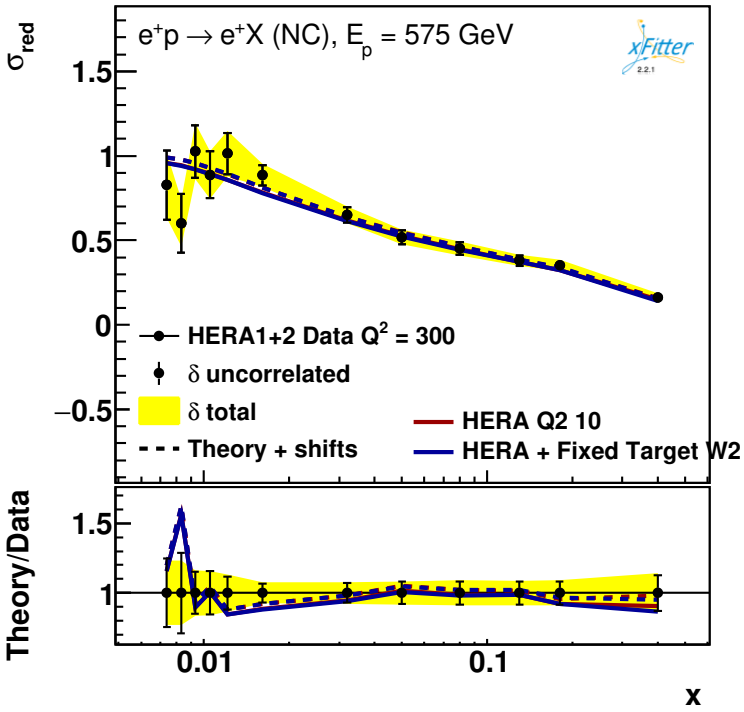

$e^+p \to e^+X$ (NC), E_p = 575 GeV
xFitter 2.2.1
σ_{red}
HERA1+2 Data Q^2 = 90
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

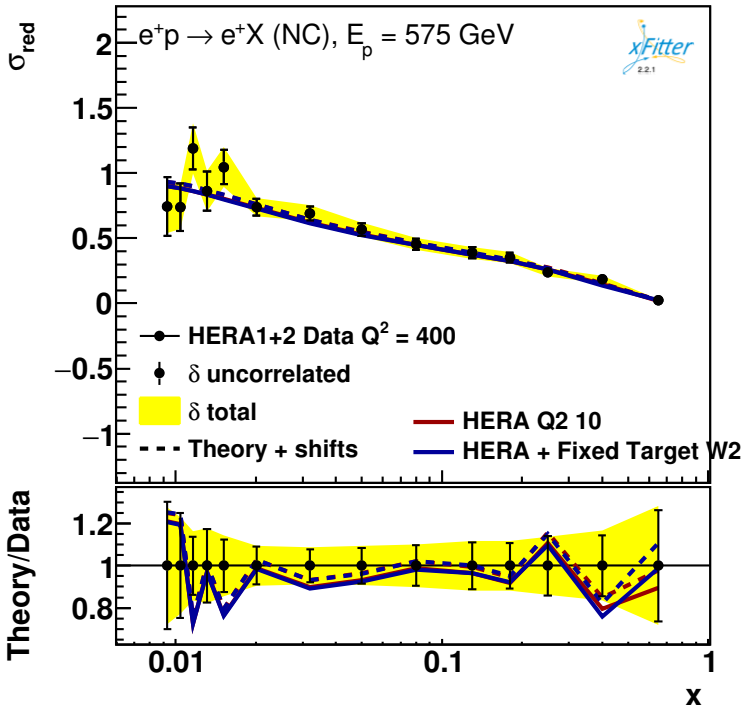

$e^+p \to e^+X$ (NC), E_p = 575 GeV
xFitter 2.2.1
σ_{red}
HERA1+2 Data Q^2 = 120
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

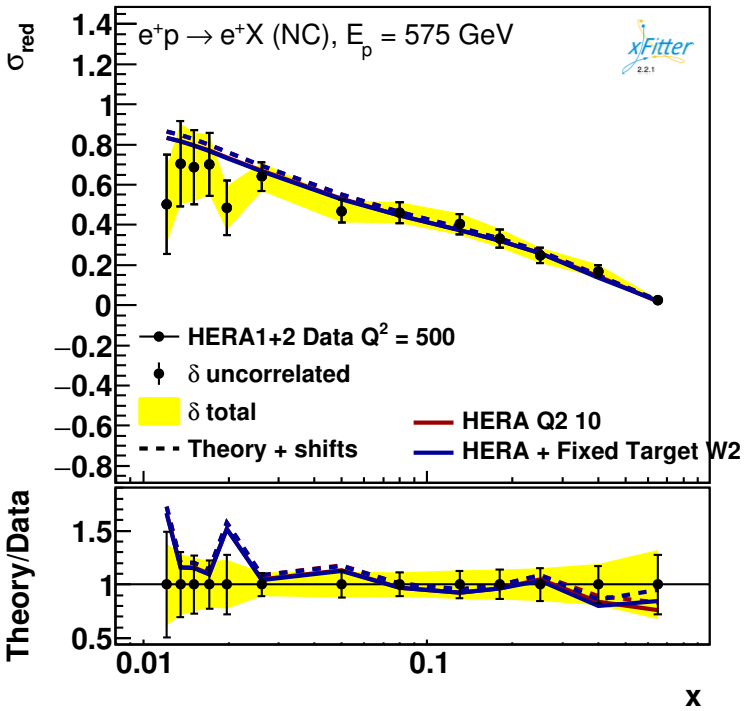

$e^+p \to e^+X$ (NC), E_p = 575 GeV
xFitter 2.2.1
σ_{red}
HERA1+2 Data Q^2 = 150
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

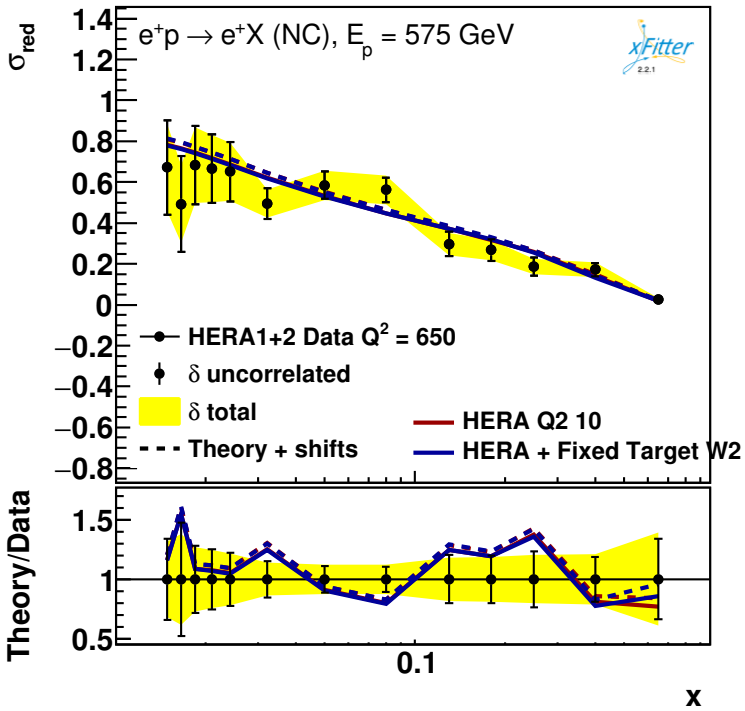

$e^+p \to e^+X$ (NC), E_p = 575 GeV
xFitter 2.2.1
σ_{red}
HERA1+2 Data Q^2 = 200
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

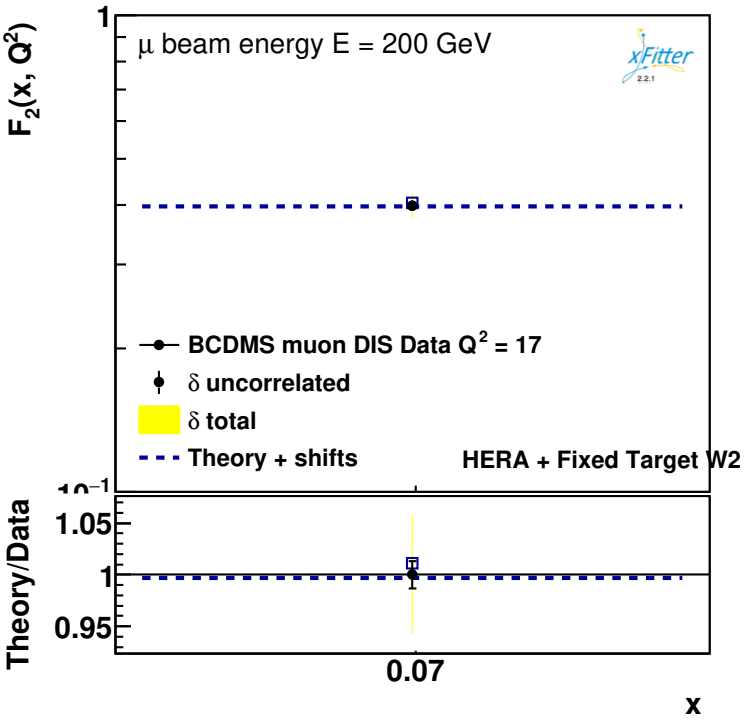

$e^+p \to e^+X$ (NC), E_p = 575 GeV
xFitter 2.2.1
σ_{red}
HERA1+2 Data Q^2 = 250
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

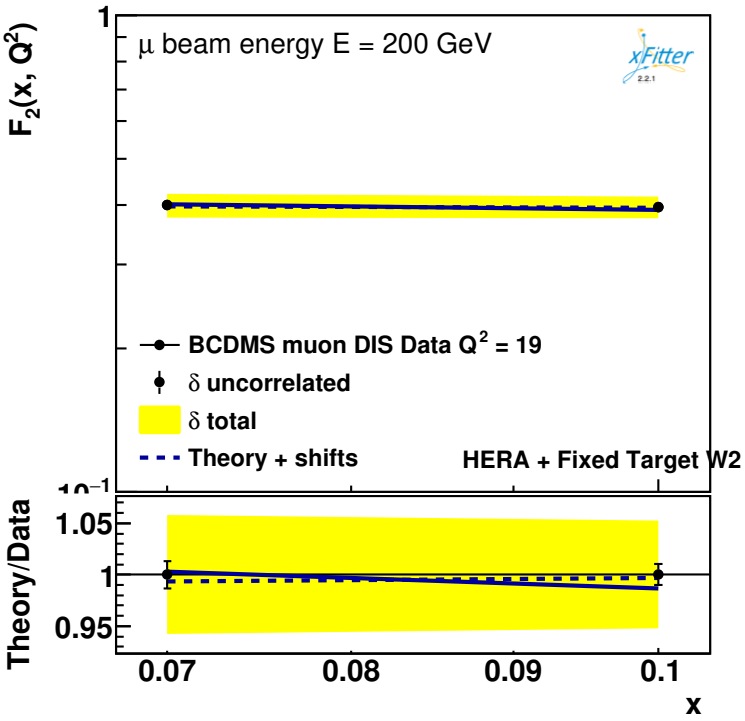

$e^+p \to e^+X$ (NC), E_p = 575 GeV
xFitter 2.2.1
σ_{red}
HERA1+2 Data Q^2 = 300
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

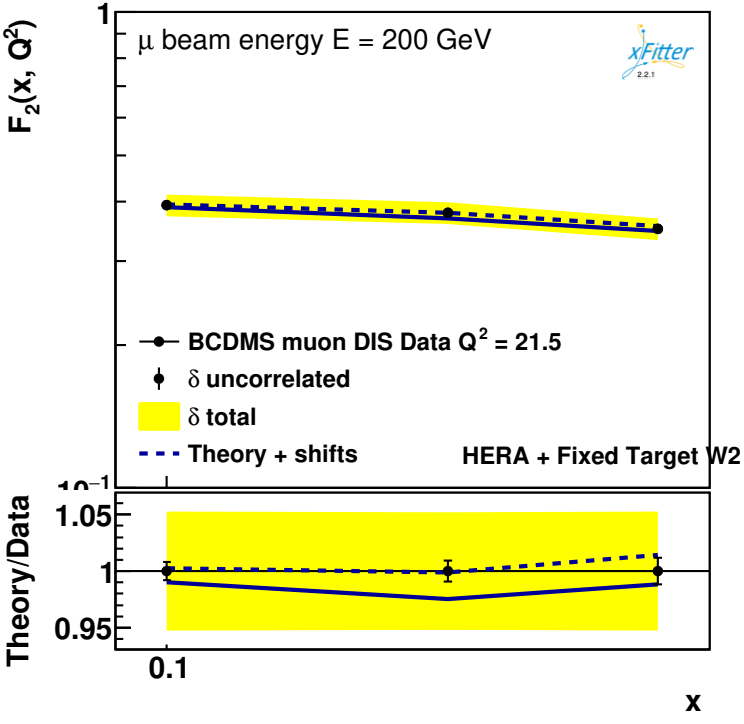

$e^+p \to e^+X$ (NC), E_p = 575 GeV
xFitter 2.2.1
σ_{red}
HERA1+2 Data Q^2 = 400
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

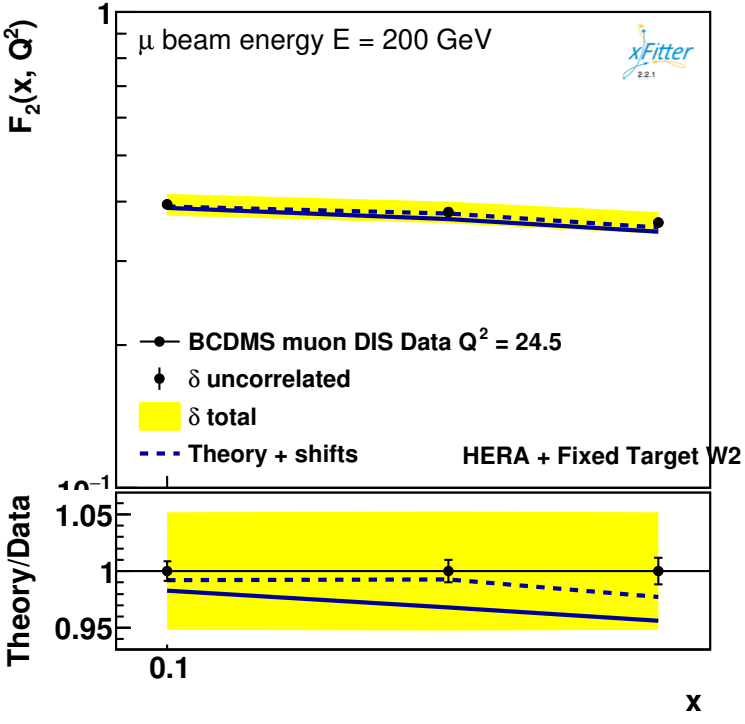

$e^+p \to e^+X$ (NC), E_p = 575 GeV
xFitter 2.2.1
σ_{red}
HERA1+2 Data Q^2 = 500
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

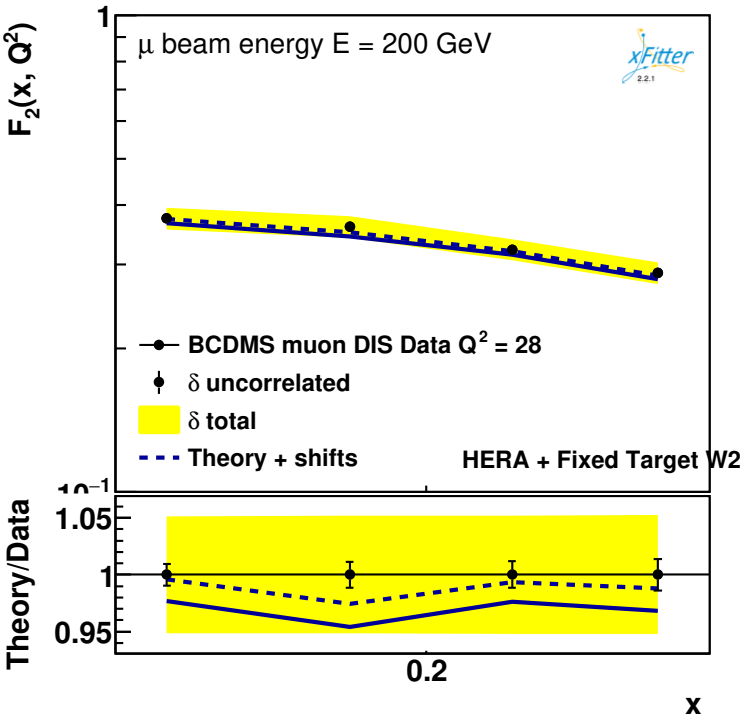

$e^+p \to e^+X$ (NC), E_p = 575 GeV
xFitter 2.2.1
σ_{red}
HERA1+2 Data Q^2 = 650
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

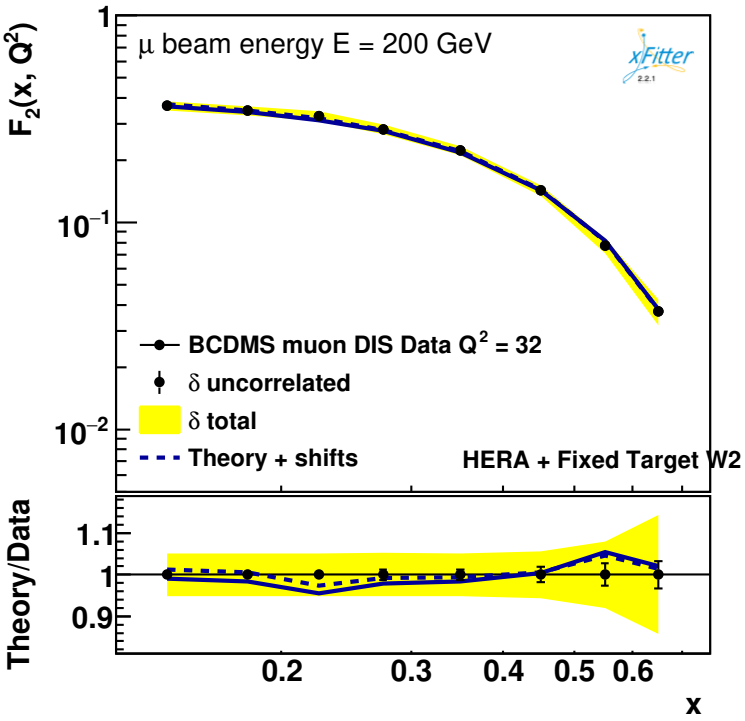

μ beam energy E = 200 GeV
xFitter 2.2.1
$F_2(x, Q^2)$
BCDMS muon DIS Data Q^2 = 17
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
1.05
1
0.95
0.07
x

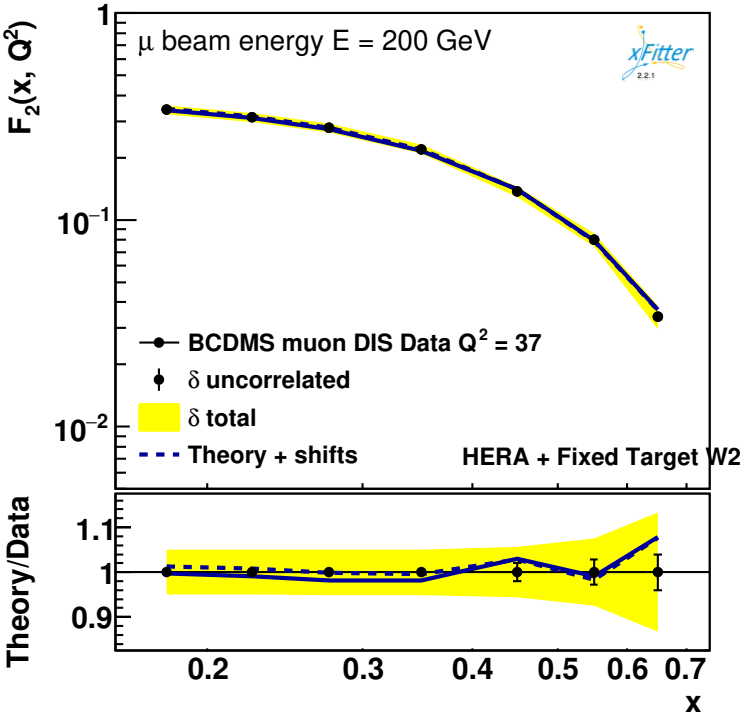

μ beam energy E = 200 GeV
xFitter 2.2.1
$F_2(x, Q^2)$
BCDMS muon DIS Data Q^2 = 19
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
1.05
1
0.95
0.07
0.08
0.09
0.1
x

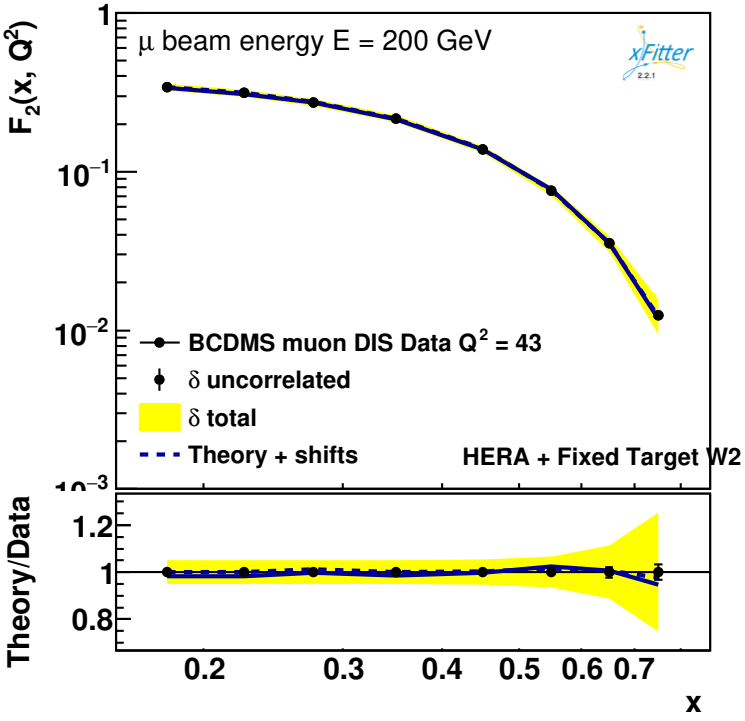

μ beam energy E = 200 GeV
xFitter 2.2.1
$F_2(x, Q^2)$
BCDMS muon DIS Data Q^2 = 21.5
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
1.05
1
0.95
0.1
x

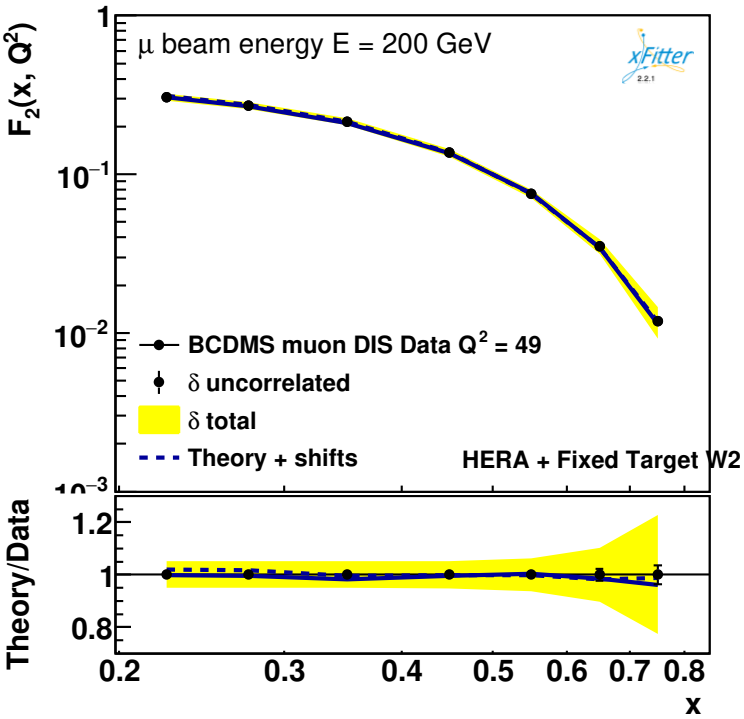

μ beam energy E = 200 GeV
xFitter 2.2.1
$F_2(x, Q^2)$
BCDMS muon DIS Data Q^2 = 24.5
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
1.05
1
0.95
0.1
x

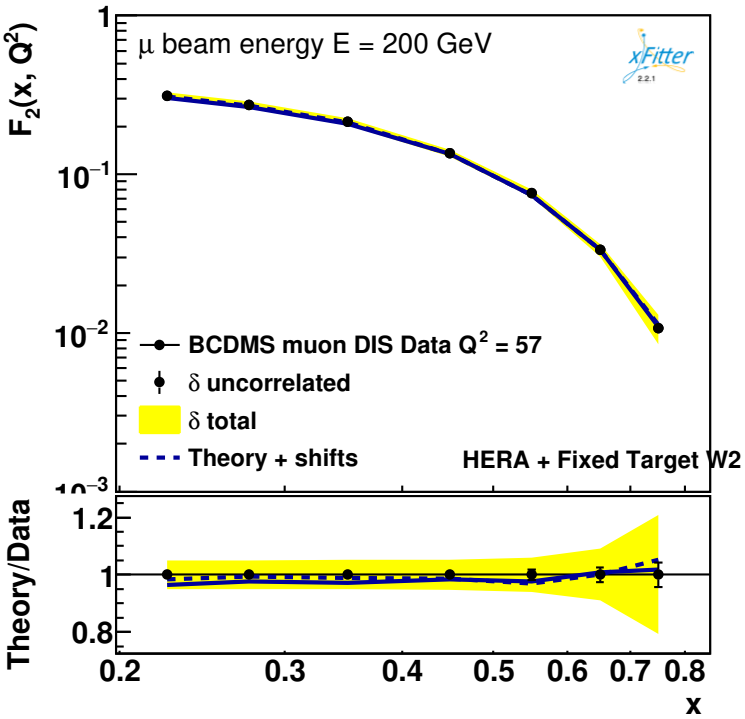

μ beam energy E = 200 GeV
xFitter 2.2.1
$F_2(x, Q^2)$
BCDMS muon DIS Data Q^2 = 28
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
x

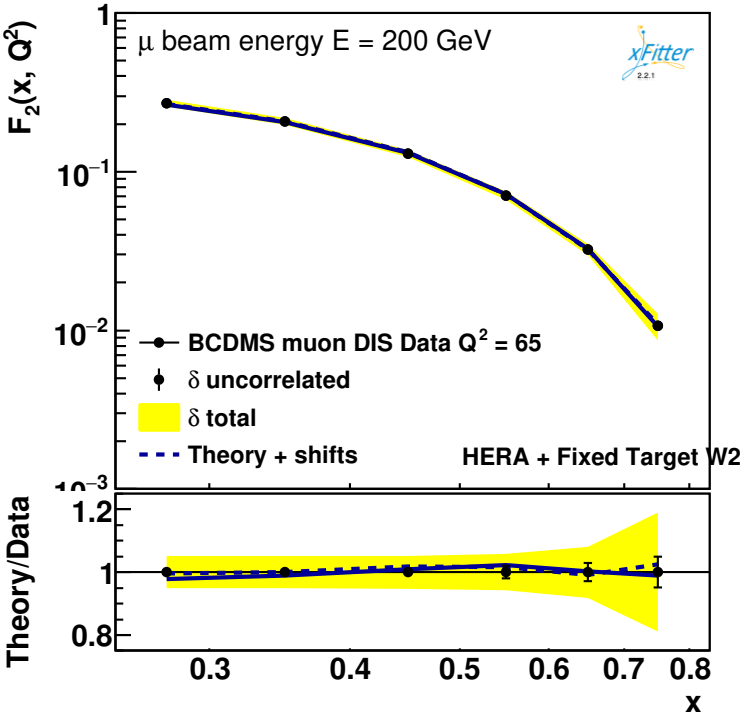

μ beam energy E = 200 GeV
xFitter 2.2.1
$F_2(x, Q^2)$
BCDMS muon DIS Data Q^2 = 32
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
x

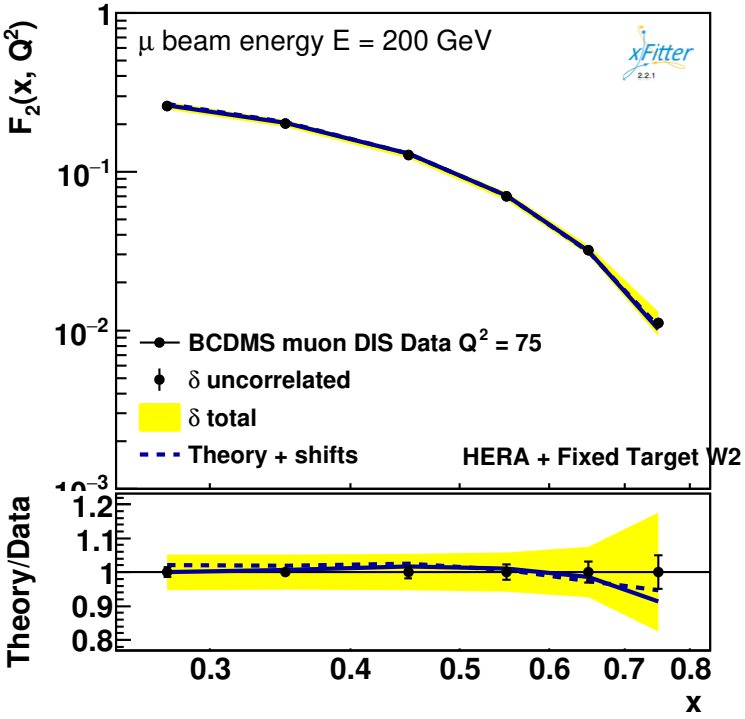

μ beam energy E = 200 GeV
xFitter 2.2.1
$F_2(x, Q^2)$
BCDMS muon DIS Data Q^2 = 37
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
x

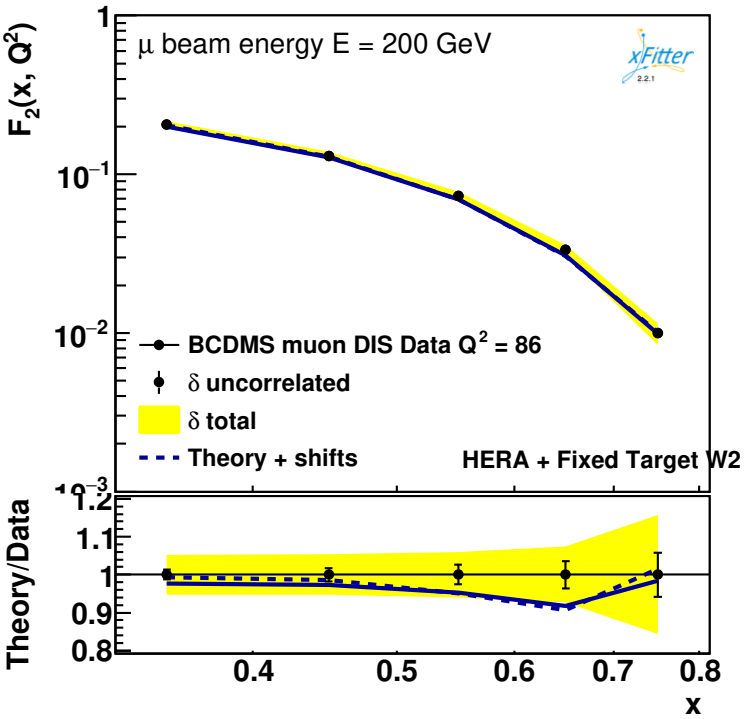

μ beam energy E = 200 GeV
xFitter 2.2.1
$F_2(x, Q^2)$
BCDMS muon DIS Data Q^2 = 43
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
x

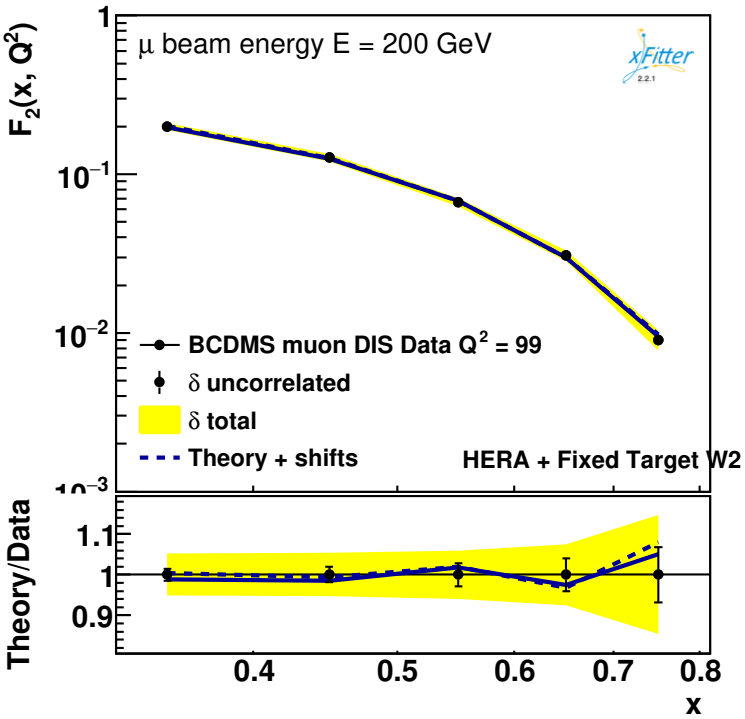

μ beam energy E = 200 GeV
xFitter 2.2.1
$F_2(x, Q^2)$
BCDMS muon DIS Data Q^2 = 49
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
x

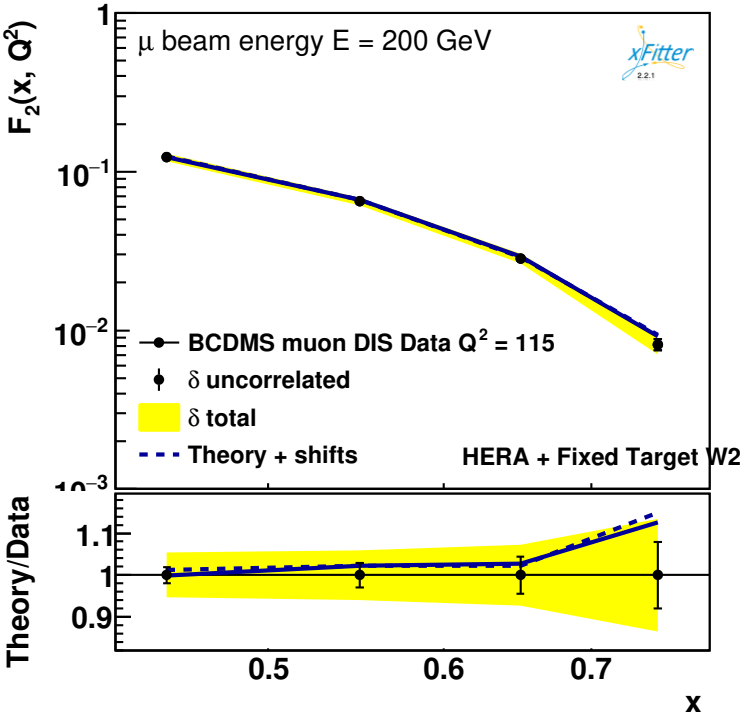

μ beam energy E = 200 GeV
xFitter 2.2.1
$F_2(x, Q^2)$
BCDMS muon DIS Data Q^2 = 57
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
x

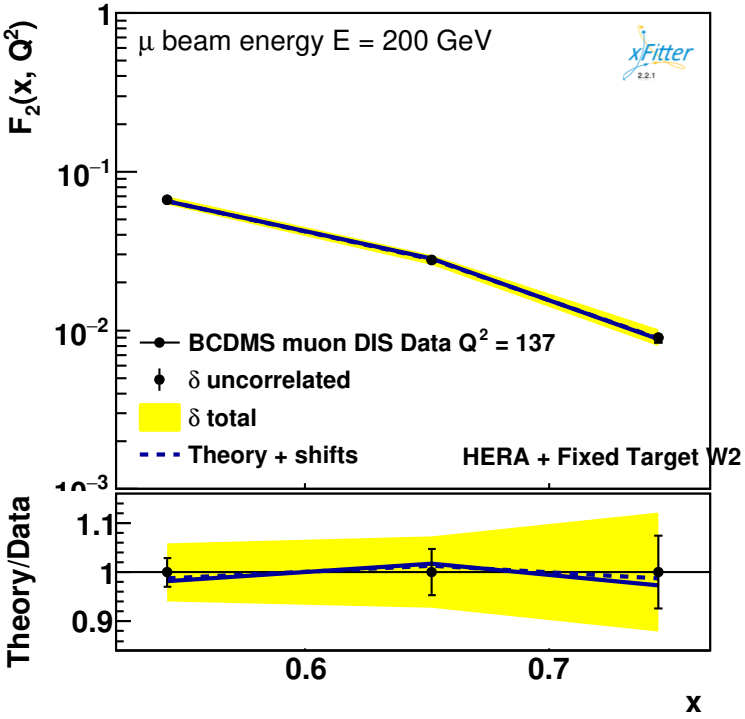

μ beam energy E = 200 GeV
xFitter 2.2.1
$F_2(x, Q^2)$
BCDMS muon DIS Data Q^2 = 65
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
x

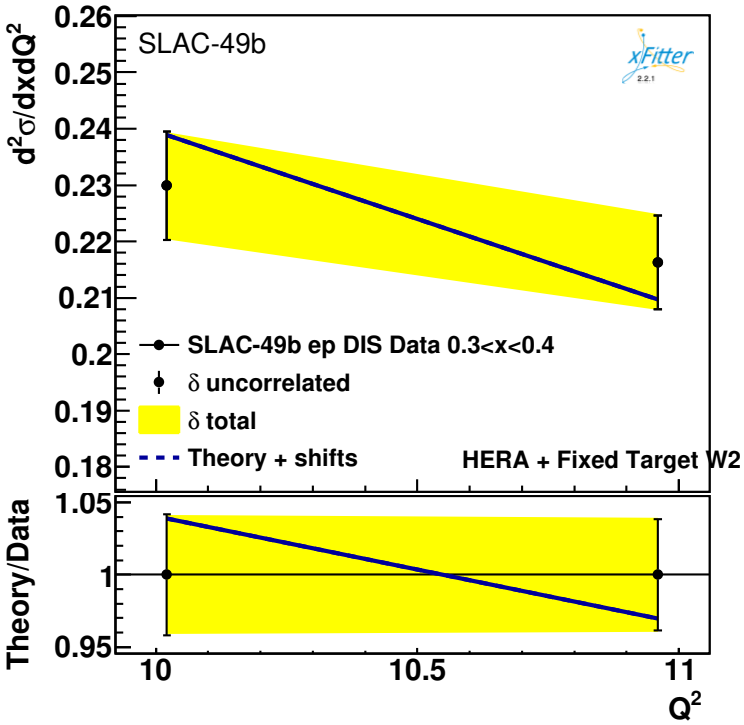

μ beam energy E = 200 GeV
xFitter 2.2.1
$F_2(x, Q^2)$
BCDMS muon DIS Data Q^2 = 75
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
x

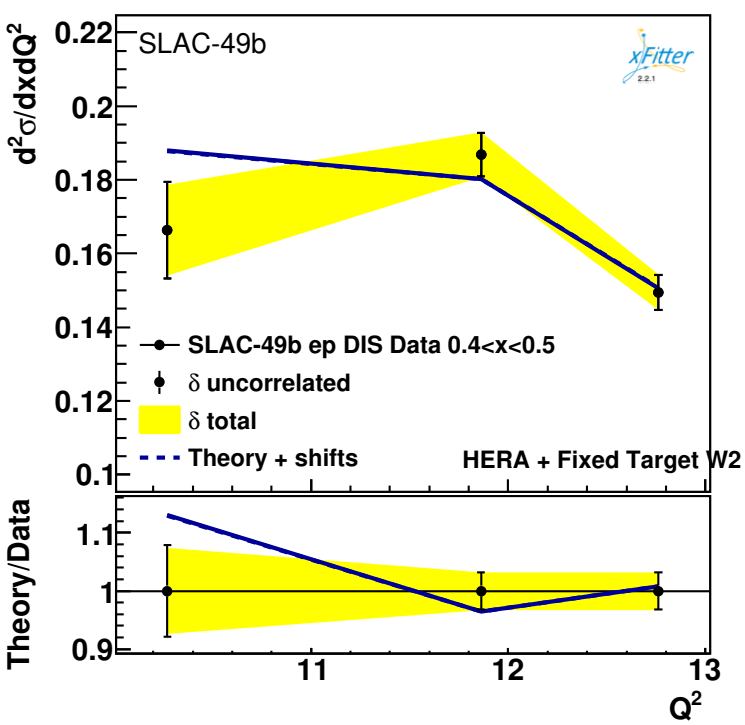

μ beam energy E = 200 GeV
xFitter 2.2.1
$F_2(x, Q^2)$
BCDMS muon DIS Data Q^2 = 86
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
x

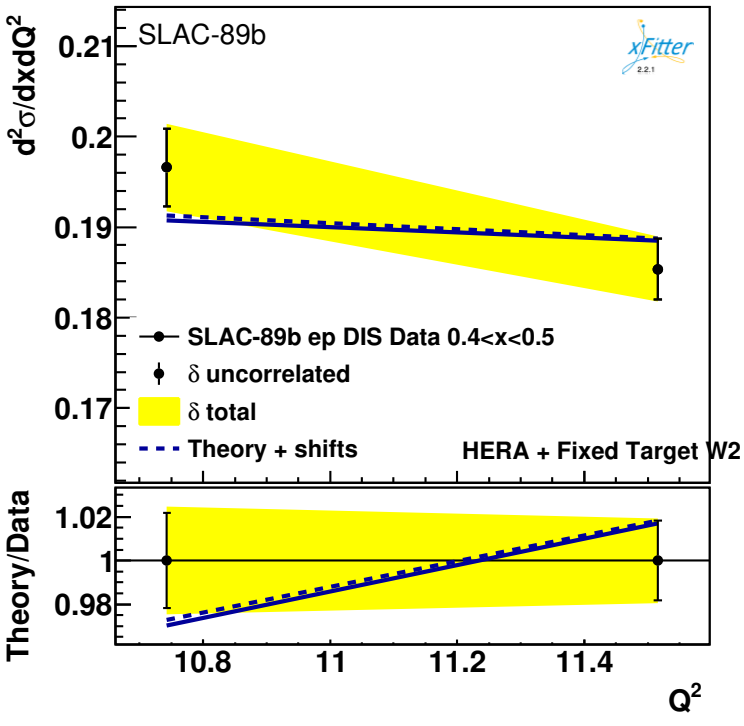

μ beam energy E = 200 GeV
xFitter 2.2.1
$F_2(x, Q^2)$
BCDMS muon DIS Data Q^2 = 99
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
x

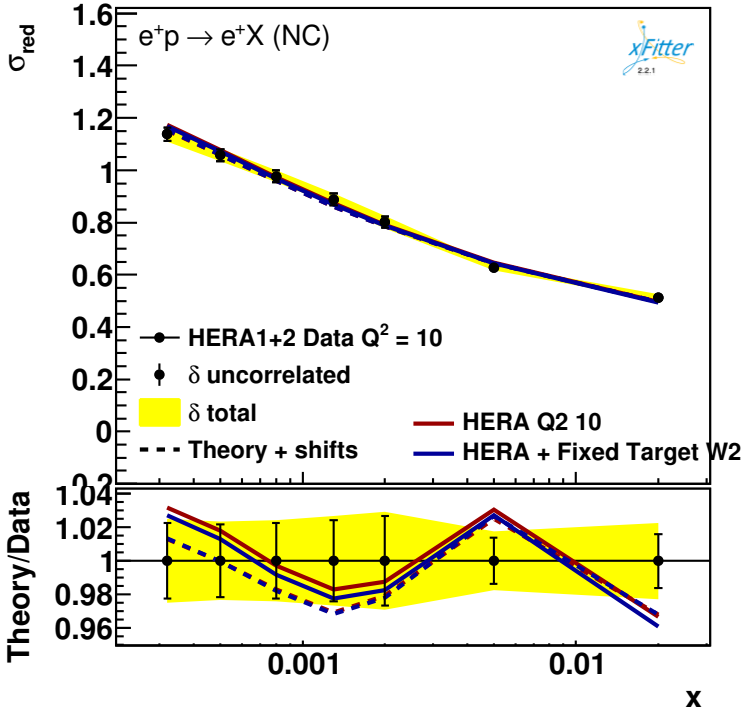

μ beam energy E = 200 GeV
xFitter 2.2.1
$F_2(x, Q^2)$
BCDMS muon DIS Data Q^2 = 115
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
x

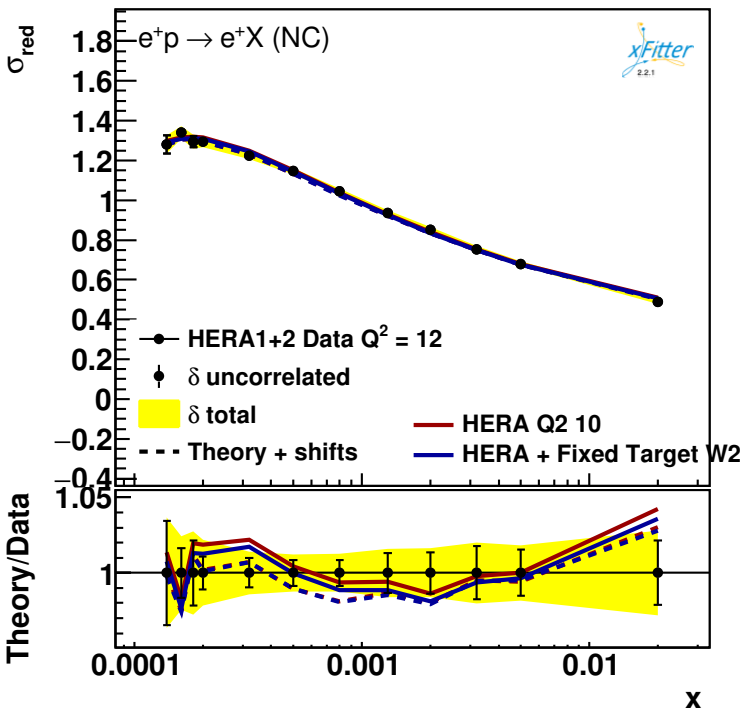

μ beam energy E = 200 GeV
xFitter 2.2.1
$F_2(x, Q^2)$
BCDMS muon DIS Data Q^2 = 137
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
x

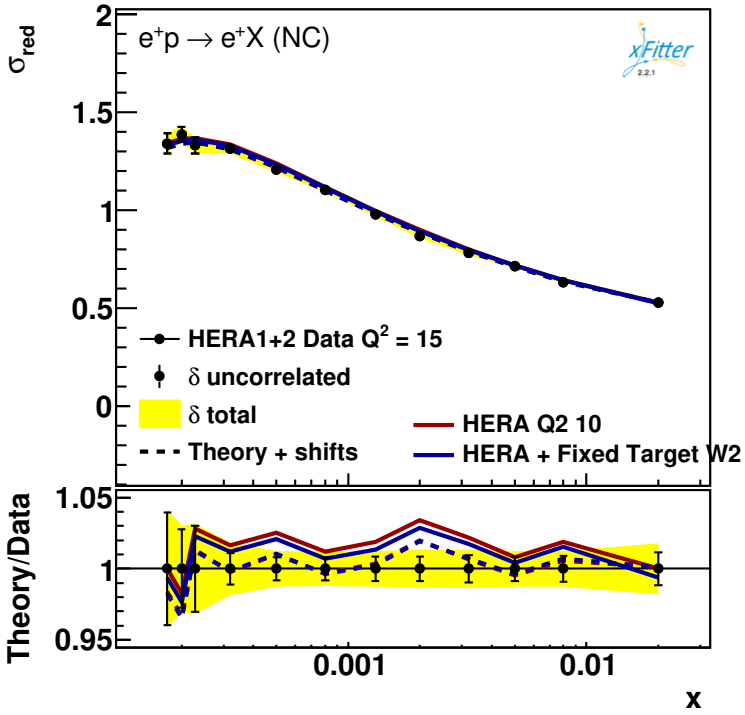

SLAC-49b
xFitter 2.2.1
$d^2\sigma/dxdQ^2$
SLAC-49b ep DIS Data 0.3<x<0.4
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
Q^2

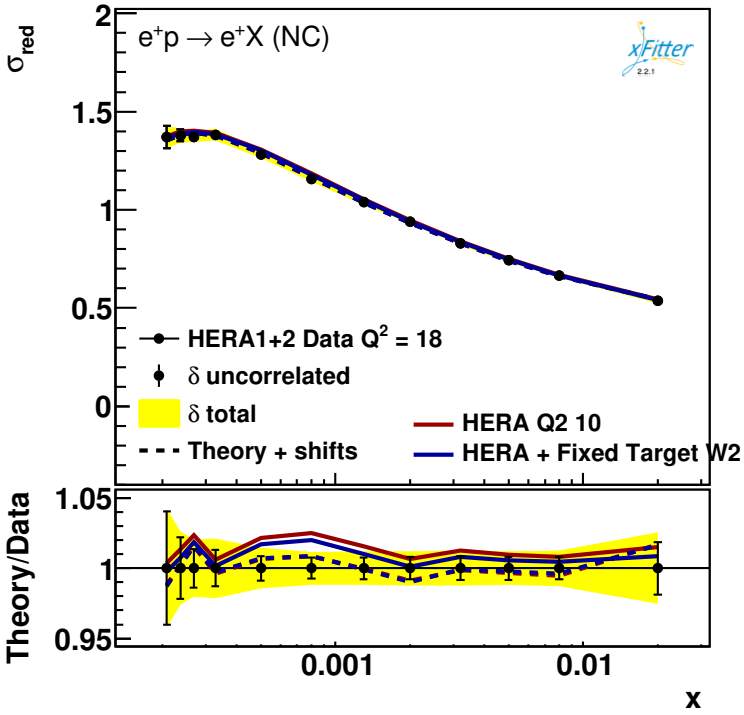

SLAC-49b
xFitter 2.2.1
$d^2\sigma/dxdQ^2$
SLAC-49b ep DIS Data 0.4<x<0.5
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
Q^2

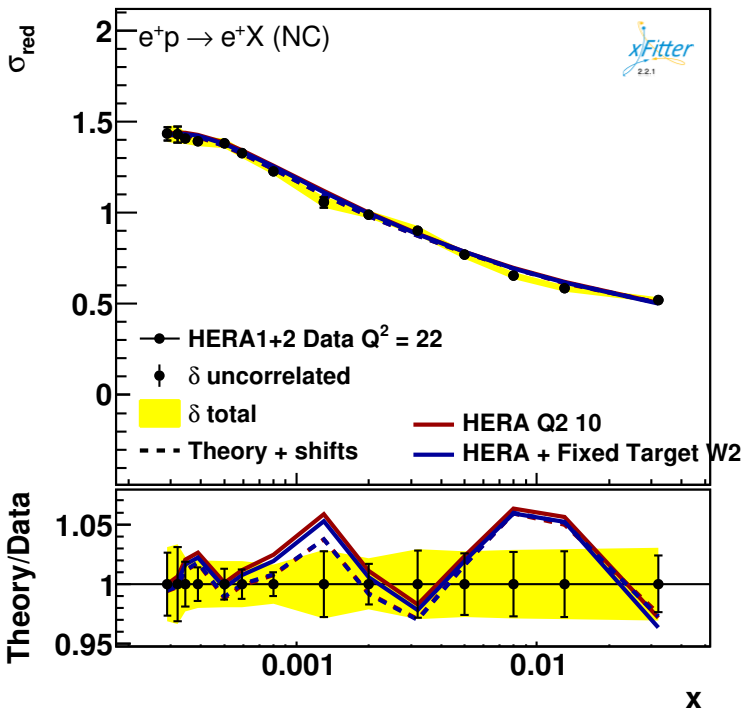

SLAC-89b
xFitter 2.2.1
$d^2\sigma/dxdQ^2$
SLAC-89b ep DIS Data 0.4<x<0.5
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
Q^2

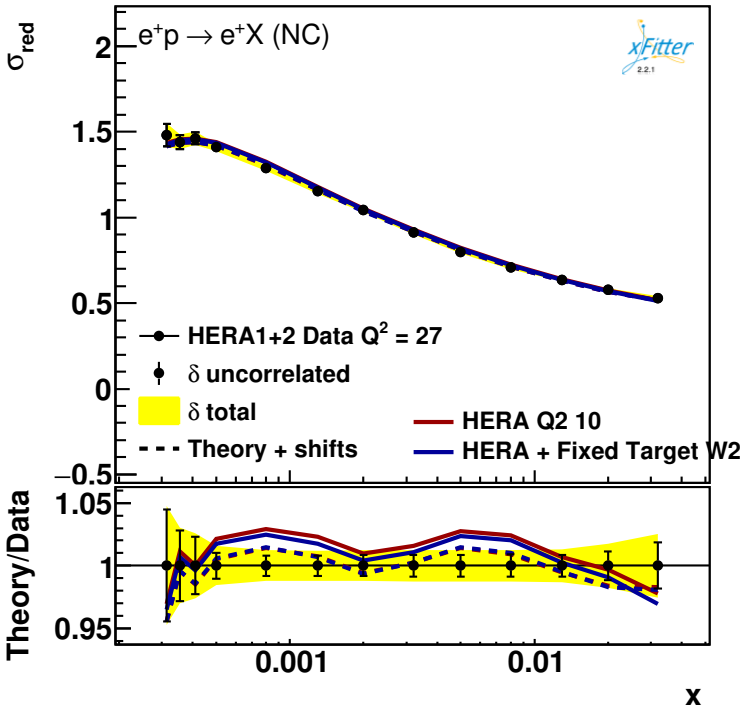

σ_{red}
$e^+p \rightarrow e^+X$ (NC)
xFitter 2.2.1
HERA1+2 Data Q^2 = 10
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

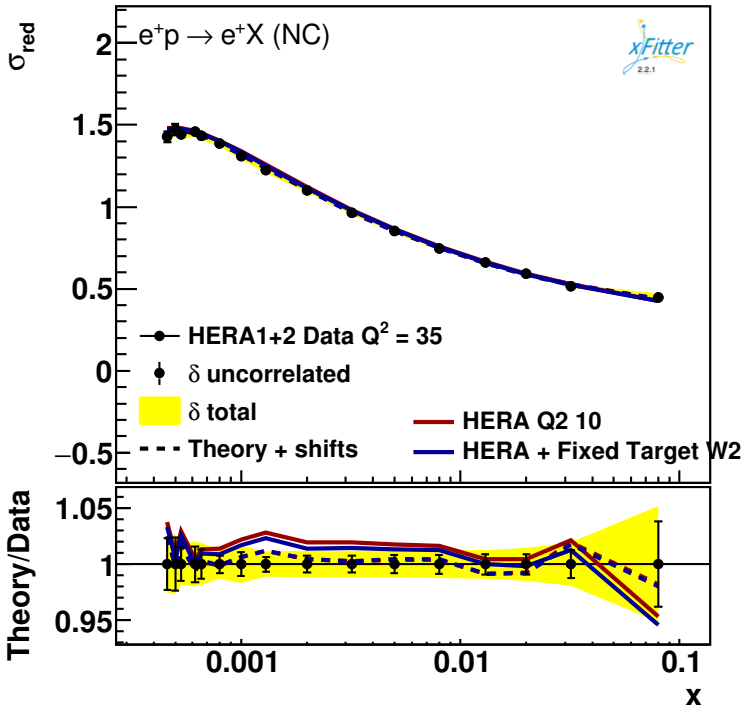

σ_{red}
$e^+p \to e^+X$ (NC)
xFitter 2.2.1
HERA1+2 Data Q^2 = 12
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

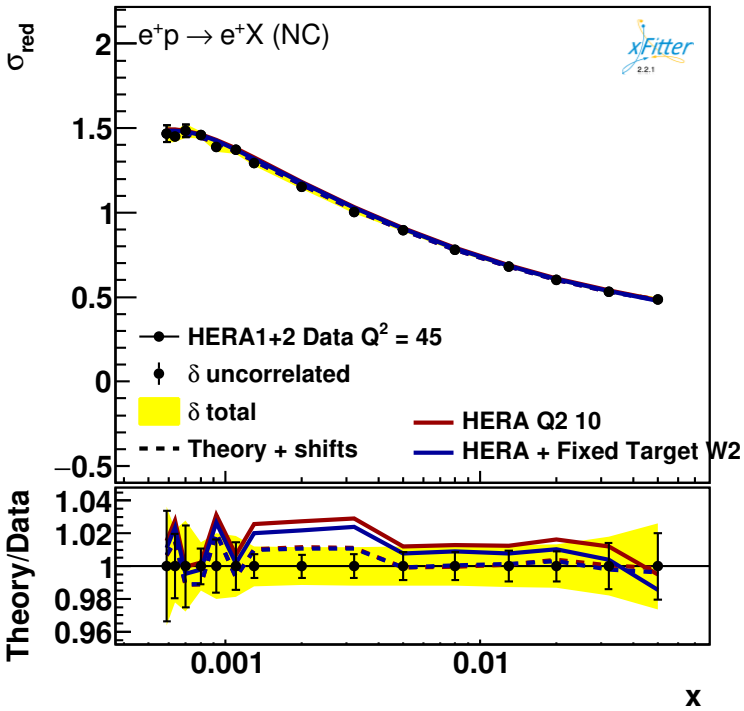

σ_{red}
$e^+p \to e^+X$ (NC)
xFitter 2.2.1
HERA1+2 Data Q^2 = 15
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

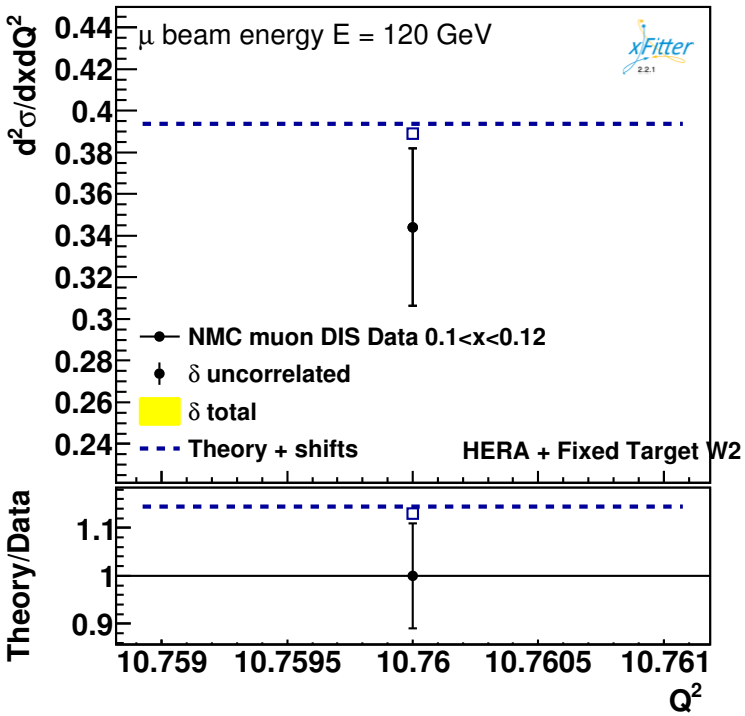

σ_{red}
$e^+p \to e^+X$ (NC)
xFitter 2.2.1
HERA1+2 Data Q^2 = 18
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

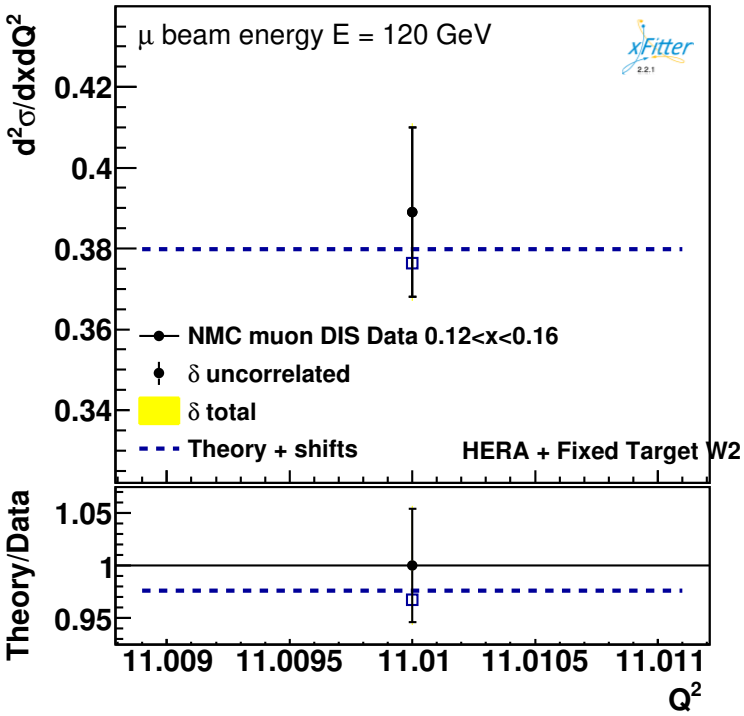

σ_{red}
$e^+p \to e^+X$ (NC)
xFitter 2.2.1
HERA1+2 Data Q^2 = 22
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

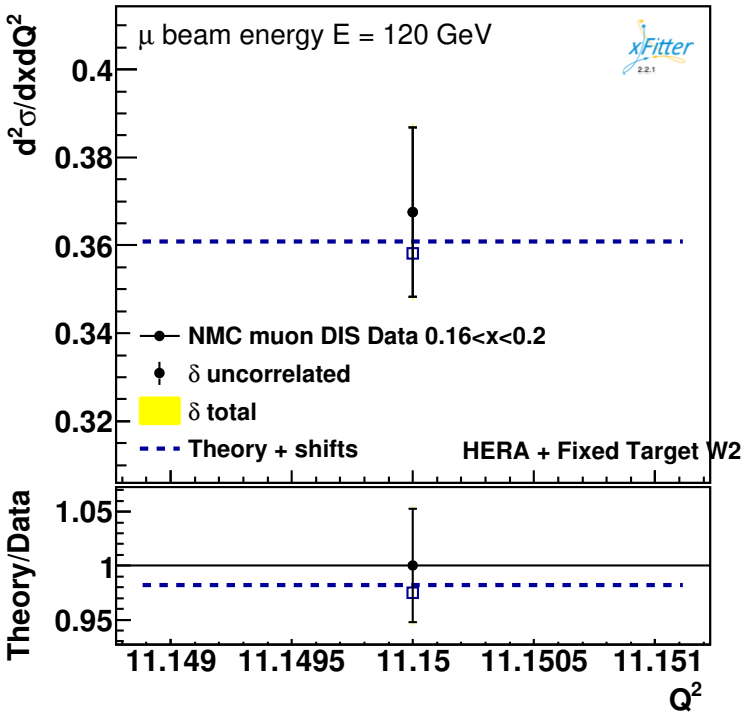

σ_{red}
$e^+p \to e^+X$ (NC)
xFitter 2.2.1
HERA1+2 Data Q^2 = 27
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

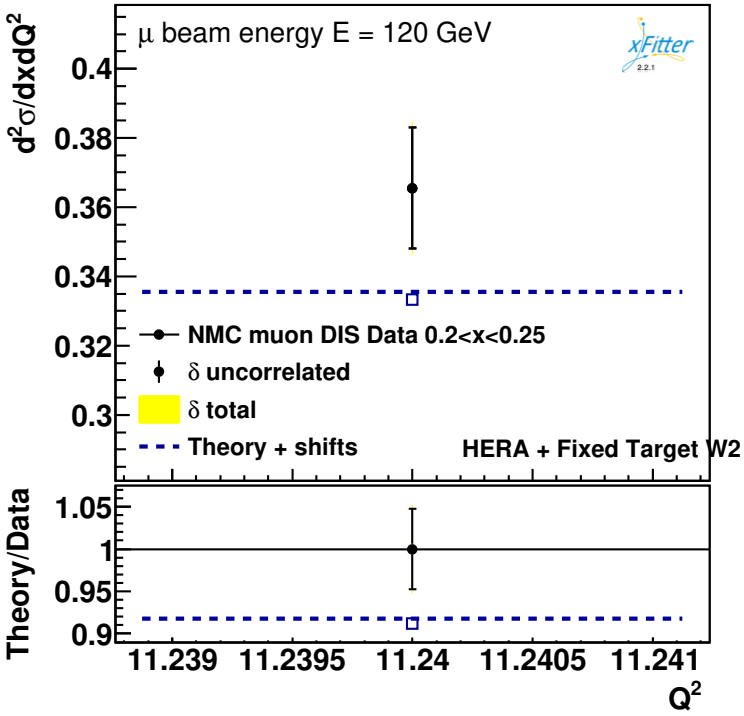

σ_{red}
$e^+p \to e^+X$ (NC)
xFitter 2.2.1
HERA1+2 Data Q^2 = 35
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

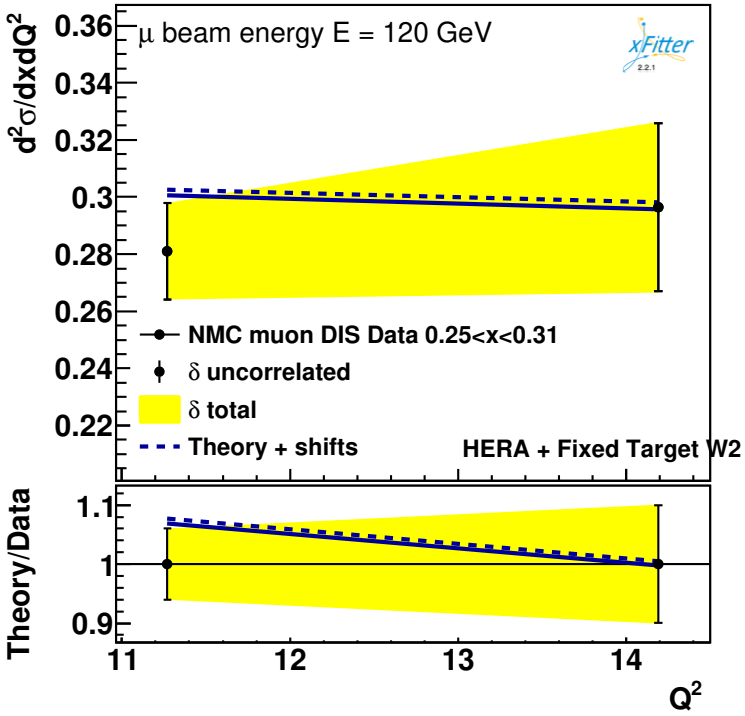

σ_{red}
$e^+p \to e^+X$ (NC)
xFitter 2.2.1
HERA1+2 Data Q^2 = 45
δ uncorrelated
δ total
Theory + shifts
HERA Q2 10
HERA + Fixed Target W2
Theory/Data
x

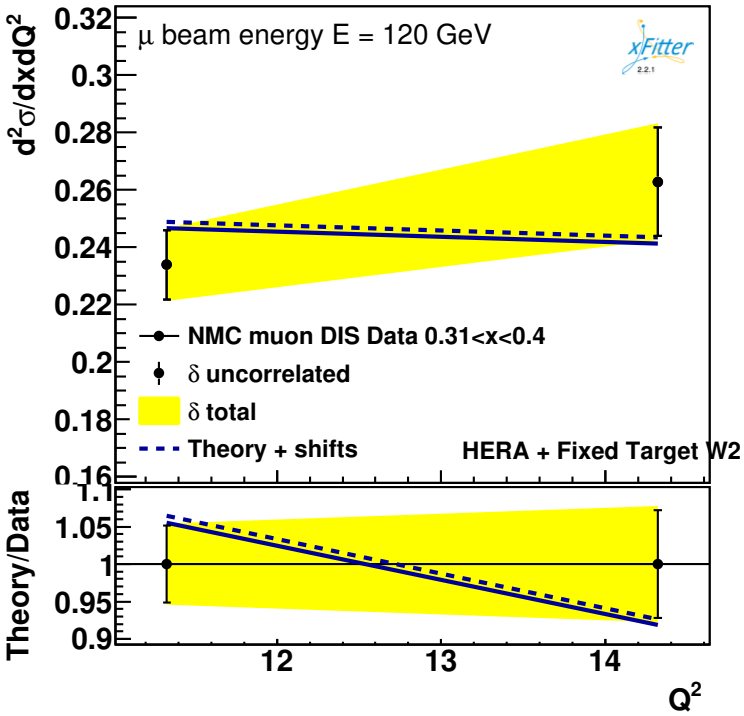

$d^2\sigma/dxdQ^2$
μ beam energy E = 120 GeV
xFitter 2.2.1
NMC muon DIS Data 0.1<x<0.12
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
Q^2

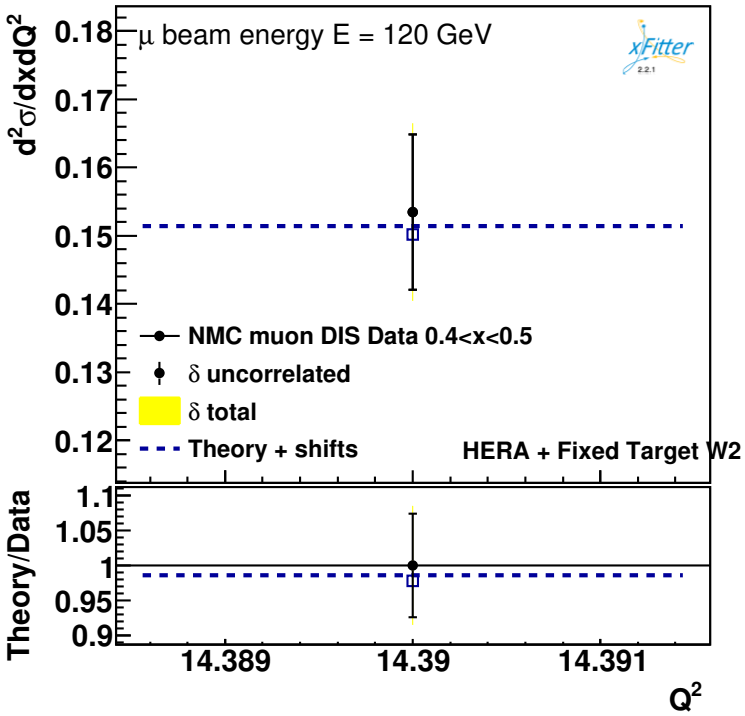

μ beam energy E = 120 GeV
xFitter 2.2.1
$d^2\sigma/dxdQ^2$
NMC muon DIS Data 0.12<x<0.16
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
Q^2

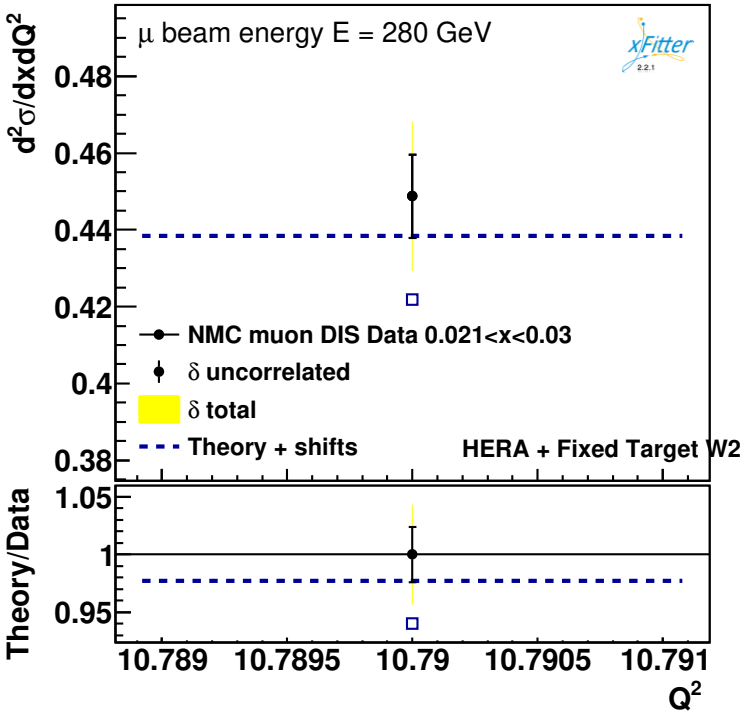

μ beam energy E = 120 GeV
xFitter 2.2.1
$d^2\sigma/dxdQ^2$
NMC muon DIS Data 0.16<x<0.2
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
Q^2

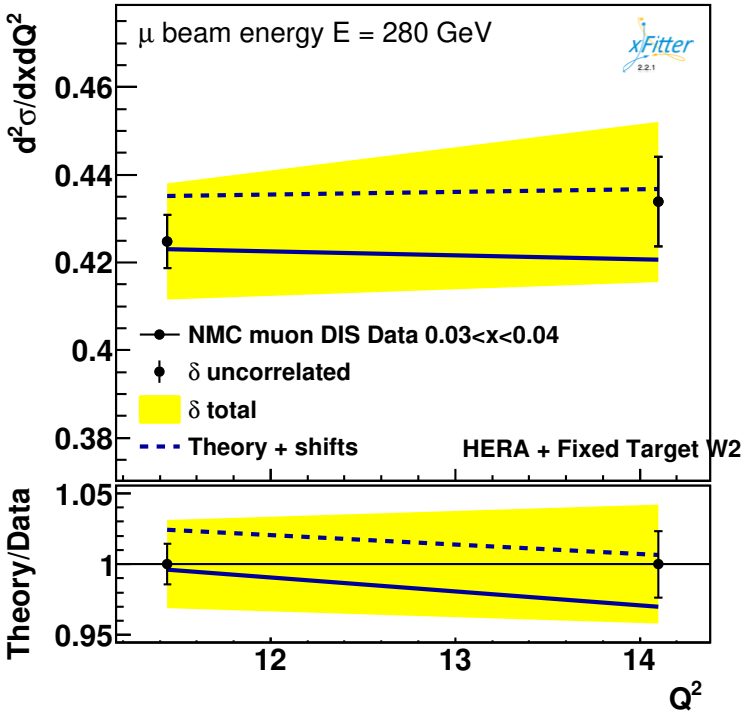

μ beam energy E = 120 GeV
xFitter 2.2.1
$d^2\sigma/dxdQ^2$
NMC muon DIS Data 0.2<x<0.25
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
Q^2

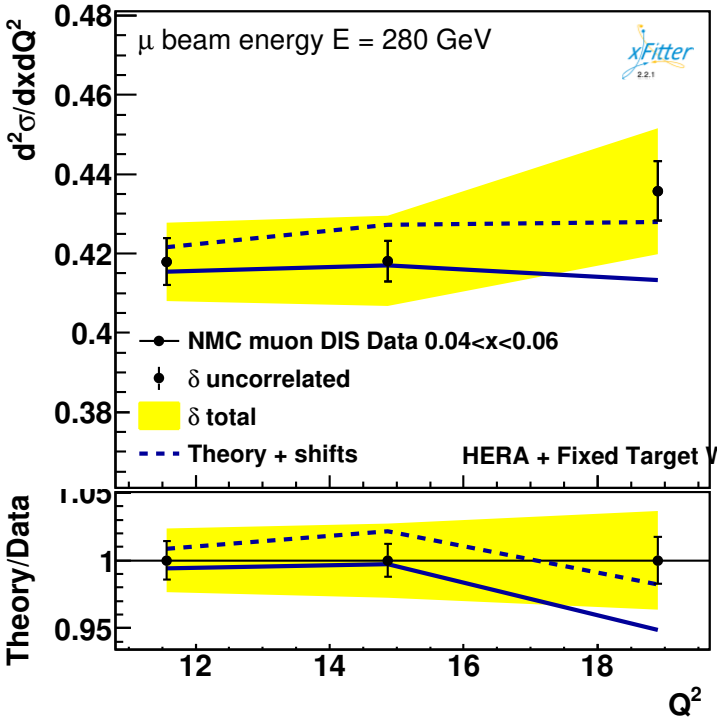

μ beam energy E = 120 GeV
xFitter 2.2.1
$d^2\sigma/dxdQ^2$
NMC muon DIS Data 0.25<x<0.31
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
Q^2

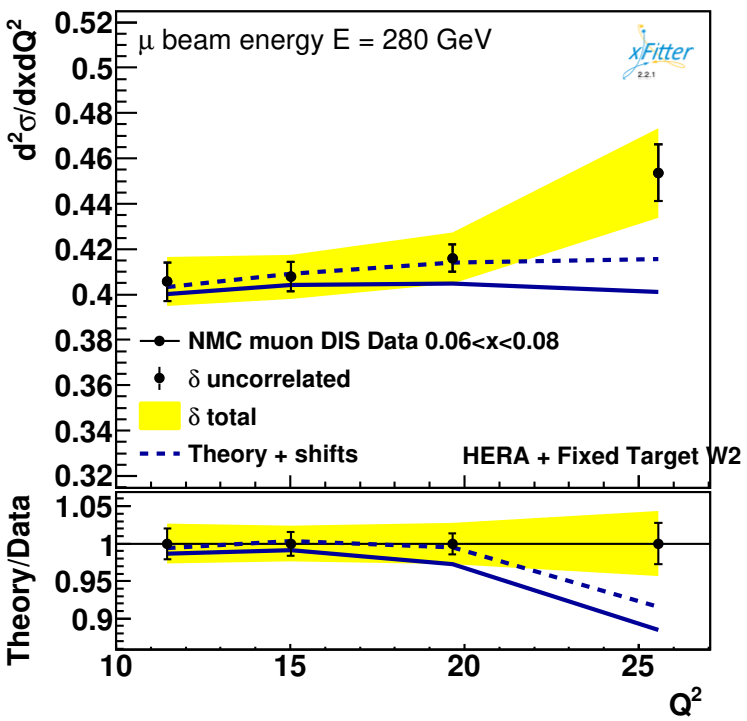

μ beam energy E = 120 GeV
xFitter 2.2.1
$d^2\sigma/dxdQ^2$
NMC muon DIS Data 0.31<x<0.4
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
Q^2

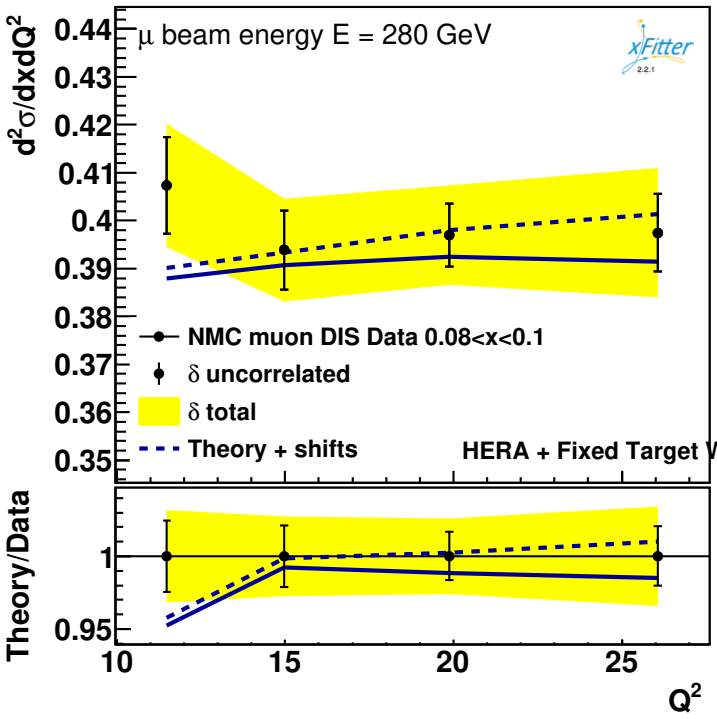

μ beam energy E = 120 GeV
xFitter 2.2.1
$d^2\sigma/dxdQ^2$
NMC muon DIS Data 0.4<x<0.5
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
Q^2

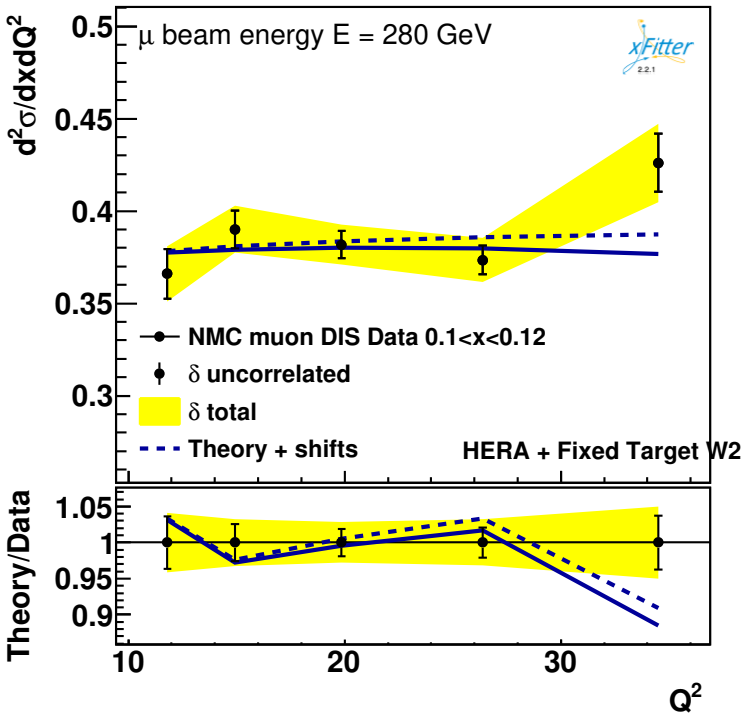

μ beam energy E = 280 GeV
xFitter 2.2.1
$d^2\sigma/dxdQ^2$
NMC muon DIS Data 0.021<x<0.03
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
Q^2

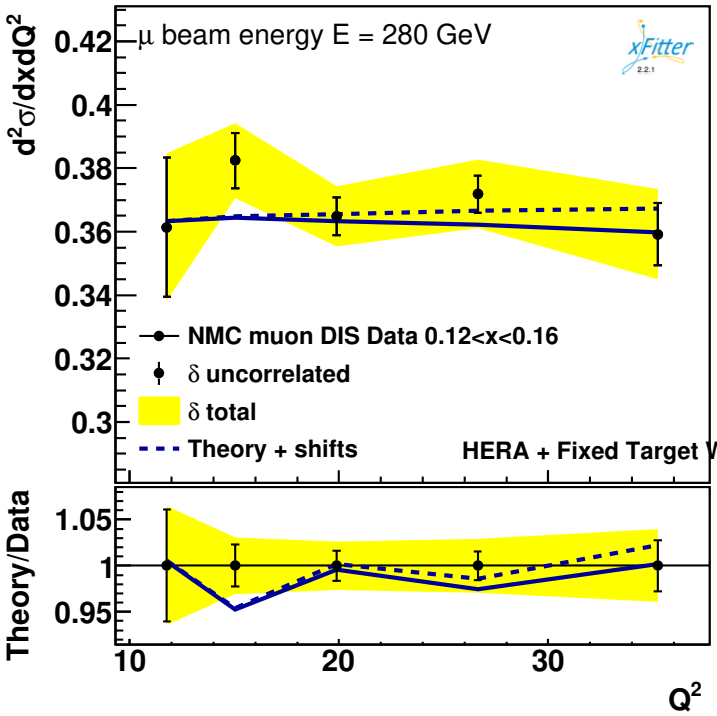

μ beam energy E = 280 GeV
xFitter 2.2.1
$d^2\sigma/dxdQ^2$
NMC muon DIS Data 0.03<x<0.04
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
Q^2

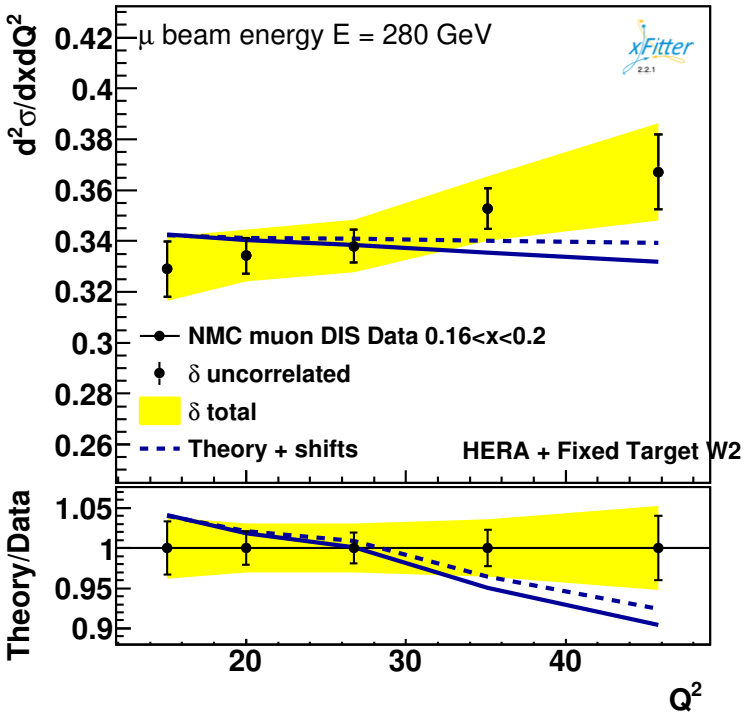

μ beam energy E = 280 GeV
xFitter 2.2.1
$d^2\sigma/dxdQ^2$
NMC muon DIS Data 0.04<x<0.06
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
Q^2

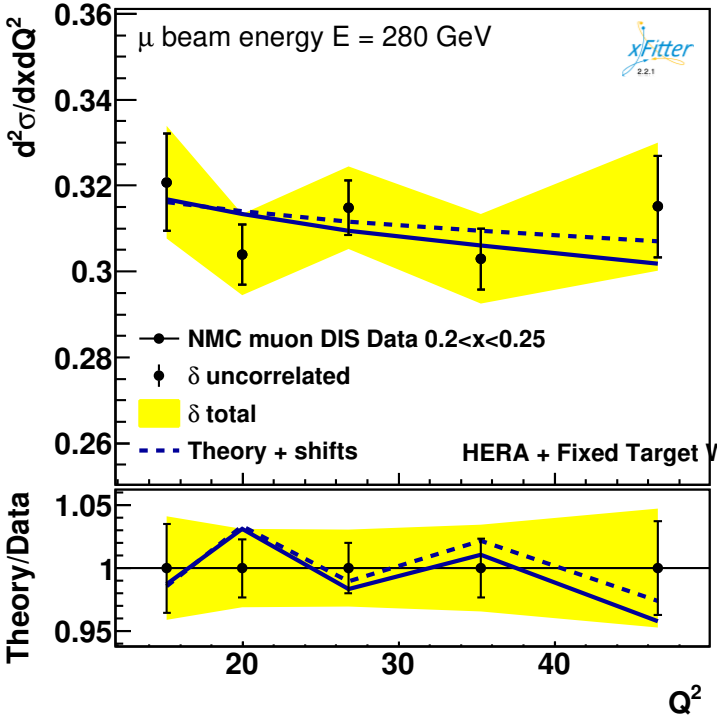

μ beam energy E = 280 GeV
xFitter 2.2.1
$d^2\sigma/dxdQ^2$
NMC muon DIS Data 0.06<x<0.08
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
Q^2

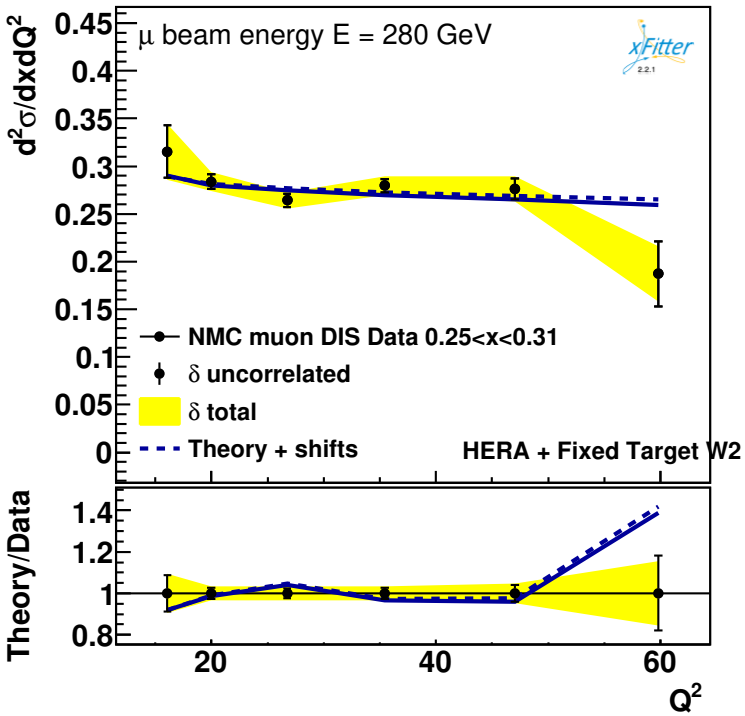

μ beam energy E = 280 GeV
xFitter 2.2.1
$d^2\sigma/dxdQ^2$
NMC muon DIS Data 0.08<x<0.1
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
Q^2

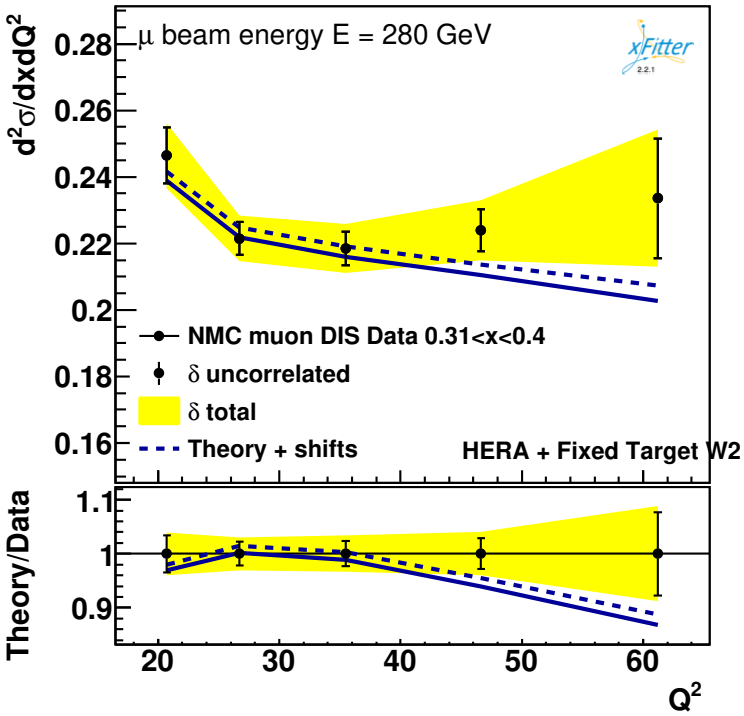

μ beam energy E = 280 GeV
xFitter 2.2.1
$d^2\sigma/dxdQ^2$
NMC muon DIS Data 0.1<x<0.12
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
Q^2

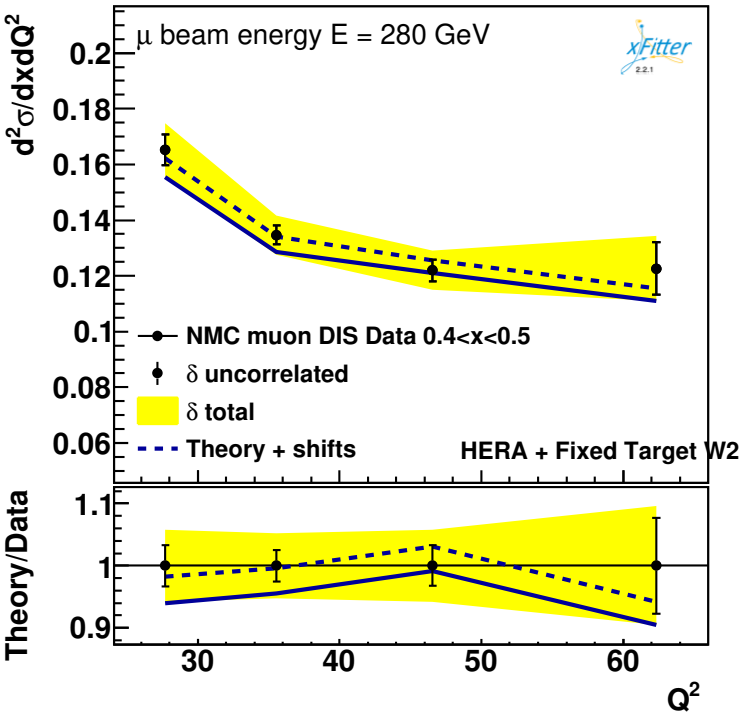

μ beam energy E = 280 GeV
xFitter 2.2.1
$d^2\sigma/dxdQ^2$
NMC muon DIS Data 0.12<x<0.16
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
Q^2


μ beam energy E = 280 GeV
xFitter 2.2.1
$d^2\sigma/dxdQ^2$
NMC muon DIS Data 0.16<x<0.2
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
Q^2


μ beam energy E = 280 GeV
xFitter 2.2.1
$d^2\sigma/dxdQ^2$
NMC muon DIS Data 0.2<x<0.25
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
Q^2


μ beam energy E = 280 GeV
xFitter 2.2.1
$d^2\sigma/dxdQ^2$
NMC muon DIS Data 0.25<x<0.31
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
Q^2


μ beam energy E = 280 GeV
xFitter 2.2.1
$d^2\sigma/dxdQ^2$
NMC muon DIS Data 0.31<x<0.4
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
Q^2


μ beam energy E = 280 GeV
xFitter 2.2.1
$d^2\sigma/dxdQ^2$
NMC muon DIS Data 0.4<x<0.5
δ uncorrelated
δ total
Theory + shifts
HERA + Fixed Target W2
Theory/Data
Q^2