Top-left panel: $Q^2 = 1.9\ \mathrm{GeV}^2$, Nm2sv_Nm1g/output_OLD, y-axis $x\bar{d}$-$\bar{u}(x,Q^2)$, x-axis x.

Top-right panel: $Q^2 = 1.9\ \mathrm{GeV}^2$, Nm2sv_Nm1g/output_OLD, y-axis xd_V-$u_V(x,Q^2)$, x-axis x.

Bottom-left panel: $Q^2 = 1.9\ \mathrm{GeV}^2$, Nm2sv_Nm1g/output_OLD, y-axis $xU(x,Q^2)$, x-axis x.

Bottom-right panel: $Q^2 = 1.9\ \mathrm{GeV}^2$, Nm2sv_Nm1g/output_OLD, y-axis $xD(x,Q^2)$, x-axis x.

xFitter 2.2.1

4 **WA70_Norm**

3 **Norm_NA10-286**

2 **Norm_NA10-194**

1 **Luminosity_E615**

Dataset	Nm2sv Nm1g output OLD
E615-6	13 / 11
NA10-194-6	22 / 9
WA70-4	8.8 / 10
NA10-286-8	20 / 8
E615-4	9.2 / 11
WA70plus-2	2.6 / 5
NA10-286-1	2.3 / 5
NA10-194-4	2.2 / 8
WA70-2	5.3 / 10
E615-2	13 / 11
NA10-194-2	6.7 / 7
WA70-0	4.1 / 10
E615-16	8.3 / 6
NA10-286-3	1.8 / 6
E615-0	10 / 7
NA10-194-0	5.5 / 6
E615-14	19 / 7
WA70plus-0	2.0 / 5
WA70plus-5	2.2 / 3
NA10-286-5	16 / 8
E615-9	19 / 10
E615-7	17 / 11
NA10-286-7	5.8 / 9
NA10-194-7	40 / 8
WA70-5	9.9 / 10
WA70plus-3	3.9 / 5
NA10-286-0	6.2 / 4
E615-5	9.9 / 11
NA10-194-5	5.5 / 8
WA70-3	10 / 10
E615-3	13 / 12
NA10-286-9	12 / 9
E615-17	16 / 6
NA10-194-3	5.1 / 7
WA70-1	7.0 / 10
NA10-286-2	3.2 / 5
WA70plus-1	4.3 / 5
E615-1	11 / 10
NA10-194-1	6.5 / 6
E615-15	3.5 / 8
WA70plus-6	2.7 / 3
NA10-286-10	13 / 4
NA10-286-4	4.2 / 7
E615-13	33 / 8
F2pi effective data	3.8 / 29
WA70plus-4	0.82 / 5
NA10-286-6	10 / 8
E615-8	18 / 11
NA10-194-8	9.9 / 8
WA70-6	3.2 / 8
Correlated χ^2	4.5
Log penalty χ^2	-47.54
Total χ^2 / dof	443 / 396
χ^2 p-value	0.05

Parameter	Nm2sv Nm1g output OLD
'Ag'	1.0000
'As'	23 ± 15
'Av'	1.0000
'delBg'	0.6 ± 1.7
'delBs'	0.20 ± 0.26
'delBv'	−0.084 ± 0.094
'delCg'	22 ± 88
'delCs'	0.96 ± 0.80
'delCv'	0.003 ± 0.058
'delDs'	−0.335 ± 0.017
'delDv'	−0.058 ± 0.053
'delEg'	0.004 ± 0.014
'delEs'	−0.16 ± 0.11
'delEv'	−0.037 ± 0.052
'sifl'	1.0000
'vifl'	2.000
Fit status	converged
Uncertainties	migrad-hesse