































































4 WA70_Norm

3 Norm_NA10-286

2 Norm_NA10-194

1 Luminosity_E615

Dataset	Fixed Cg	Free Cg	Free only	Cg
E615-6	14 / 11	14 / 11	14 / 11	
NA10-194-6	22 / 9	22 / 9	22 / 9	
WA70-4	8.5 / 10	8.7 / 10	8.6 / 10	
NA10-286-8	19 / 8	19 / 8	20 / 8	
E615-4	8.7 / 11	8.5 / 11	8.7 / 11	
WA70plus-2	2.1 / 5	2.2 / 5	2.2 / 5	
NA10-286-1	2.3 / 5	2.4 / 5	2.3 / 5	
NA10-194-4	1.6 / 8	1.6 / 8	1.6 / 8	
WA70-2	5.0 / 10	5.4 / 10	5.1 / 10	
E615-2	13 / 11	13 / 11	13 / 11	
NA10-194-2	6.6 / 7	6.5 / 7	6.5 / 7	
WA70-0	3.8 / 10	4.1 / 10	3.9 / 10	
E615-16	8.3 / 6	8.3 / 6	8.3 / 6	
NA10-286-3	1.8 / 6	1.8 / 6	1.8 / 6	
E615-0	10 / 7	9.7 / 7	10 / 7	
NA10-194-0	4.9 / 6	4.1 / 6	4.9 / 6	
E615-14	18 / 7	18 / 7	18 / 7	
WA70plus-0	1.9 / 5	2.1 / 5	1.9 / 5	
WA70plus-5	2.0 / 3	2.0 / 3	2.0 / 3	
NA10-286-5	16 / 8	16 / 8	16 / 8	
E615-9	18 / 10	18 / 10	18 / 10	
E615-7	17 / 11	17 / 11	17 / 11	
NA10-286-7	5.6 / 9	5.4 / 9	5.6 / 9	
NA10-194-7	41 / 8	41 / 8	41 / 8	
WA70-5	9.8 / 10	9.9 / 10	9.8 / 10	
WA70plus-3	3.6 / 5	3.5 / 5	3.6 / 5	
NA10-286-0	5.8 / 4	5.4 / 4	5.9 / 4	
E615-5	9.2 / 11	9.2 / 11	9.2 / 11	
NA10-194-5	4.9 / 8	4.9 / 8	4.9 / 8	
WA70-3	9.7 / 10	10 / 10	9.8 / 10	
E615-3	11 / 12	10 / 12	11 / 12	
NA10-286-9	13 / 9	13 / 9	13 / 9	
E615-17	17 / 6	17 / 6	17 / 6	
NA10-194-3	6.2 / 7	6.4 / 7	6.3 / 7	
WA70-1	6.6 / 10	7.1 / 10	6.7 / 10	
NA10-286-2	3.0 / 5	3.0 / 5	3.0 / 5	
WA70plus-1	3.9 / 5	3.8 / 5	3.9 / 5	
E615-1	12 / 10	12 / 10	12 / 10	
NA10-194-1	6.2 / 6	6.1 / 6	6.2 / 6	
E615-15	3.4 / 8	3.4 / 8	3.4 / 8	
WA70plus-6	2.9 / 3	2.8 / 3	3.0 / 3	
NA10-286-10	14 / 4	14 / 4	14 / 4	
NA10-286-4	4.0 / 7	3.9 / 7	4.0 / 7	
E615-13	33 / 8	33 / 8	33 / 8	
F2pi effective data	4.7 / 29	3.4 / 29	4.1 / 29	
WA70plus-4	0.80 / 5	0.70 / 5	0.86 / 5	
NA10-286-6	11 / 8	11 / 8	11 / 8	
E615-8	18 / 11	18 / 11	18 / 11	
NA10-194-8	11 / 8	11 / 8	11 / 8	
WA70-6	3.0 / 8	3.1 / 8	3.1 / 8	
Correlated χ^2	5.0	4.6	5.1	
Log penalty χ^2	-49.14	-46.99	-49.72	
Total χ^2 / dof	433 / 397	432 / 396	433 / 407	
χ^2 p-value	0.10	0.10	0.18	

Parameter	Fixed Cg	Free Cg	Free Cg only
'Ag'	1.0000	1.0000	1.0000
'As'	0.89 ± 0.41	1.16 ± 0.49	0.8917
'Av'	1.0000	1.0000	1.0000
'delBg'	-0.07 ± 0.26	0.43 ± 0.39	-
'delBs'	-0.05 ± 0.16	0.12 ± 0.17	-
'delBv'	-0.302 ± 0.095	-0.030 ± 0.091	-
'delCg'	-	7.8652 ± 0.0019	1.2 ± 3.2
'delCs'	-4.31 ± 0.68	0.07 ± 0.60	-
'delCv'	-0.30 ± 0.21	-0.04 ± 0.23	-
'delEg'	-2.2 ± 1.6	-1.1 ± 1.3	-
'delEs'	0.070 ± 0.091	0.207 ± 0.042	-
'delEv'	-0.20 ± 0.18	-0.05 ± 0.20	-
'delFs'	0.462 ± 0.040	0.095 ± 0.026	-
'delFv'	0.10 ± 0.17	0.01 ± 0.18	-
'sifl'	1.0000	1.0000	1.0000
'vifl'	2.000	2.000	2.000
Fit status	converged	not-a-fit	converged
Uncertainties	migrad-hesse	not-a-fit	undefined