χ^2 table. Blue color text represents a value that is lower than the SM χ^2 by more than one standard deviation of the χ^2 distribution. Similarly, red color text represents values that are higher than the SM χ^2 by more than one standard deviation. In parenthesis is the total SM χ^2 for the dataset included in the fit.

		SM	smefit2.0 linear + quadratic corrections
Process	N_{data}	χ^2/N_{data}	χ^2/N_{data}
CMS_ttbb_13TeV	1	4.959	6.651
CMS_ttbb_13TeV_2016	1	1.754	3.085
ATLAS_ttbb_13TeV_2016	1	0.906	0.561
CMS_tttt_13TeV	1	0.055	0.086
CMS_tttt_13TeV_run2	1	0.051	2.046
ATLAS_tttt_13TeV_run2	1	2.352	0.299
Total			2.121 (1.679)

Table 1: χ^2 table for 4H data

		SM	smefit2.0 linear + quadratic corrections
Process	N_{data}	χ^2/N_{data}	χ^2/N_{data}
ATLAS_CMS_tt_AC_8TeV	6	0.861	0.857
ATLAS_tt_AC_13TeV	5	0.275	0.254
Total			0.583 (0.595)

Table 2: χ^2 table for AC data

		SM	smefit2.0 linear + quadratic corrections
Process	N_{data}	χ^2/N_{data}	χ^2/N_{data}
ATLAS_ggF_ZZ_13TeV	6	0.958	0.810
CMS_ggF_aa_13TeV	6	1.049	0.988
ATLAS_H_13TeV_2015_pTH	9	1.11	1.100
CMS_H_13TeV_2015_pTH	9	0.8	0.781
ATLAS_WH_Hbb_13TeV	2	0.1	0.190
ATLAS_ZH_Hbb_13TeV	3	0.496	0.307
Total			0.829 (0.883)

Table 3: χ^2 table for Hdiff data

		SM	smefit2.0 linear + quadratic corrections
Process	N_{data}	χ^2/N_{data}	χ^2/N_{data}
ATLAS_CMS_SSinc_RunI	22	0.859	0.877
Total			0.877 (0.859)

Table 4: χ^2 table for HrunI data

		SM	smefit2.0 linear + quadratic corrections
Process	N_{data}	χ^2/N_{data}	χ^2/N_{data}
ATLAS_SSinc_RunII	16	0.542	0.533
CMS_SSinc_RunII	24	0.771	0.723
Total			0.647 (0.679)

Table 5: χ^2 table for HrunII data

		SM	smefit2.0 linear + quadratic corrections
Process	N_{data}	χ^2/N_{data}	χ^2/N_{data}
LEP_eeWW_182GeV	10	1.38	1.379
LEP_eeWW_189GeV	10	0.885	0.886
LEP_eeWW_198GeV	10	1.609	1.609
LEP_eeWW_206GeV	10	1.085	1.082
Total			1.239 (1.240)

Table 6: χ^2 table for LEP data

		SM	smefit2.0 linear + quadratic corrections
Process	N_{data}	χ^2/N_{data}	χ^2/N_{data}
ATLAS_WW_13TeV_2016_memu	13	1.651	1.673
ATLAS_WZ_13TeV_2016_mTWZ	6	0.861	0.820
CMS_WZ_13TeV_2016_pTZ	11	1.423	1.393
Total			1.400 (1.410)

Table 7: χ^2 table for VV data

		SM	smefit2.0 linear + quadratic corrections
Process	N_{data}	χ^2/N_{data}	χ^2/N_{data}
ATLAS_WhelF_8TeV	3	1.967	1.370
CMS_WhelF_8TeV	3	0.296	0.590
Total			0.980 (1.131)

Table 8: χ^2 table for WhelF data

		SM	smefit2.0 linear + quadratic corrections
Process	N_{data}	χ^2/N_{data}	χ^2/N_{data}
CMS_t_tch_13TeV_inc	2	0.345	0.351
CMS_t_tch_13TeV_diff_Yt	4	0.476	0.488
CMS_t_tch_13TeV_2016_diff_Yt	5	0.58	0.580
ATLAS_t_tch_13TeV	2	0.011	0.018
Total			0.430 (0.424)

Table 9: χ^2 table for t13 data

		SM	smefit2.0 linear + quadratic corrections
Process	N_{data}	χ^2/N_{data}	χ^2/N_{data}
CMS_t_tch_8TeV_inc	2	0.293	0.173
CMS_t_tch_8TeV_diff_Yt	6	0.11	0.146
CMS_t_sch_8TeV	1	1.265	1.164
ATLAS_t_tch_8TeV	4	0.89	0.708
ATLAS_t_sch_8TeV	1	0.085	0.223
Total			0.389 (0.440)

Table 10: χ^2 table for t8 data

		SM	smefit2.0 linear + quadratic corrections
Process	N_{data}	χ^2/N_{data}	χ^2/N_{data}
ATLAS_tW_8TeV_inc	1	0.026	0.033
ATLAS_tW_slep_8TeV_inc	1	0.134	0.102
CMS_tW_8TeV_inc	1	0.0	0.004
ATLAS_tW_13TeV_inc	1	0.549	0.492
CMS_tW_13TeV_inc	1	3.855	4.494
Total			1.025 (0.913)

Table 11: χ^2 table for tW data

		SM	smefit2.0 linear + quadratic corrections
Process	N_{data}	χ^2/N_{data}	χ^2/N_{data}
ATLAS_tZ_13TeV_inc	1	0.0	0.003
ATLAS_tZ_13TeV_run2_inc	1	0.048	0.007
CMS_tZ_13TeV_inc	1	0.678	0.664
CMS_tZ_13TeV_2016_inc	1	1.23	1.184
Total			0.464 (0.489)

Table 12: χ^2 table for tZ data

		SM	smefit2.0 linear + quadratic corrections
Process	N_{data}	χ^2/N_{data}	χ^2/N_{data}
CMS_tt_13TeV_ljets_2015_Mtt	8	0.939	0.963
CMS_tt_13TeV_dilep_2015_Mtt	6	1.299	1.525
CMS_tt_13TeV_ljets_2016_Mtt	10	1.992	2.211
CMS_tt_13TeV_dilep_2016_Mtt	7	2.282	2.518
ATLAS_tt_13TeV_ljets_2016_Mtt	7	0.986	1.035
Total			1.680 (1.529)

Table 13: χ^2 table for tt13 data

		SM	smefit2.0 linear + quadratic corrections
Process	N_{data}	χ^2/N_{data}	χ^2/N_{data}
ATLAS_tt_8TeV_ljets_Mtt	7	2.953	2.725
ATLAS_tt_8TeV_dilep_Mtt	6	0.086	0.124
CMS_tt_8TeV_ljets_Ytt	10	0.906	1.049
CMS_tt2D_8TeV_dilep_MttYtt	16	1.628	1.109
Total			1.232 (1.443)

Table 14: χ^2 table for tt8 data

		SM	smefit2.0 linear + quadratic corrections
Process	N_{data}	χ^2/N_{data}	χ^2/N_{data}
ATLAS_ttW_8TeV	1	1.334	1.208
ATLAS_ttW_13TeV	1	0.828	0.812
ATLAS_ttW_13TeV_2016	1	0.225	0.003
CMS_ttW_8TeV	1	1.781	1.640
CMS_ttW_13TeV	1	0.028	0.173
Total			0.767 (0.839)

Table 15: χ^2 table for ttW data

		SM	smefit2.0 linear + quadratic corrections
Process	N_{data}	χ^2/N_{data}	χ^2/N_{data}
ATLAS_ttZ_8TeV	1	1.314	1.312
ATLAS_ttZ_13TeV	1	0.007	0.057
ATLAS_ttZ_13TeV_2016	1	0.001	0.114
CMS_ttZ_8TeV	1	0.042	0.042
CMS_ttZ_13TeV	1	1.011	0.448
CMS_ttZ_13TeV_pTZ	4	0.732	0.826
Total			0.586 (0.589)

Table 16: χ^2 table for ttZ data

	smefit2.0 linear + quadratic corrections	
Process	N_{data}	χ^2/N_{data}
tt8	39.0	1.232 (1.443)
tt13	38.0	1.680 (1.529)
WhelF	6.0	0.980 (1.131)
AC	11.0	0.583 (0.595)
4H	6.0	2.121 (1.679)
ttZ	9.0	0.586 (0.589)
ttW	5.0	0.767 (0.839)
t8	14.0	0.389 (0.440)
t13	13.0	0.430 (0.424)
tW	5.0	1.025 (0.913)
tZ	4.0	0.464 (0.489)
HrunI	22.0	0.877 (0.859)
HrunII	40.0	0.647 (0.679)
Hdiff	35.0	0.829 (0.883)
VV	30.0	1.400 (1.410)
LEP	40.0	1.239 (1.240)
Total	317.0	1.040 (1.055)

Table 17: χ^2 table for grouped data. In parenthesis is the total SM χ^2 for the dataset included in the fit. The SM column refers to all the datasets available in the group