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	NS quadratic
Process	N_{data}	χ^2/N_{data}	χ^2/N_{data}
CMS_ttbb_13TeV	1	4.959	6.401
CMS_ttbb_13TeV_2016	1	1.754	2.877
ATLAS_ttbb_13TeV_2016	1	0.906	0.604
CMS_tttt_13TeV	1	0.055	0.084
CMS_tttt_13TeV_run2	1	0.051	2.017
ATLAS_tttt_13TeV_run2	1	2.352	0.308
Total			2.048 (1.679)

Table 1: χ^2 table for 4H data

		SM	NS quadratic
Process	N_{data}	χ^2/N_{data}	χ^2/N_{data}
ATLAS_CMS_tt_AC_8TeV	6	0.861	0.853
ATLAS_tt_AC_13TeV	5	0.275	0.209
Total			0.560 (0.595)

Table 2: χ^2 table for AC data

		SM	NS quadratic
Process	N_{data}	χ^2/N_{data}	χ^2/N_{data}
ATLAS_ggF_ZZ_13TeV	6	0.958	0.824
CMS_ggF_aa_13TeV	6	1.049	1.021
ATLAS_H_13TeV_2015_pTH	9	1.11	1.097
CMS_H_13TeV_2015_pTH	9	0.8	0.784
ATLAS_WH_Hbb_13TeV	2	0.1	0.172
ATLAS_ZH_Hbb_13TeV	3	0.496	0.294
Total			0.835 (0.883)

Table 3: χ^2 table for Hdiff data

		SM	NS quadratic
Process	N_{data}	χ^2/N_{data}	χ^2/N_{data}
ATLAS_CMS_SSinc_RunI	22	0.859	0.873
Total			0.873 (0.859)

Table 4: χ^2 table for HrunI data

		SM	NS quadratic
Process	N_{data}	χ^2/N_{data}	χ^2/N_{data}
ATLAS_SSinc_RunII	16	0.542	0.528
CMS_SSinc_RunII	24	0.771	0.729
Total			0.648 (0.679)

Table 5: χ^2 table for HrunII data

		SM	NS quadratic
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	1.081
Total			1.239 (1.240)

Table 6: χ^2 table for LEP data

		SM	NS quadratic
Process	N_{data}	χ^2/N_{data}	χ^2/N_{data}
ATLAS_WW_13TeV_2016_memu	13	1.651	1.674
ATLAS_WZ_13TeV_2016_mTWZ	6	0.861	0.822
CMS_WZ_13TeV_2016_pTZ	11	1.423	1.390
Total			1.400 (1.410)

Table 7: χ^2 table for VV data

		SM	NS quadratic
Process	N_{data}	χ^2/N_{data}	χ^2/N_{data}
ATLAS_WhelF_8TeV	3	1.967	1.358
CMS_WhelF_8TeV	3	0.296	0.598
Total			0.978 (1.131)

Table 8: χ^2 table for WhelF data

		SM	NS quadratic
Process	N_{data}	χ^2/N_{data}	χ^2/N_{data}
CMS_t_tch_13TeV_inc	2	0.345	0.352
CMS_t_tch_13TeV_diff_Yt	4	0.476	0.490
CMS_t_tch_13TeV_2016_diff_Yt	5	0.58	0.565
ATLAS_t_tch_13TeV	2	0.011	0.021
Total			0.425 (0.424)

Table 9: χ^2 table for t13 data

		SM	NS quadratic
Process	N_{data}	χ^2/N_{data}	χ^2/N_{data}
CMS_t_tch_8TeV_inc	2	0.293	0.178
CMS_t_tch_8TeV_diff_Yt	6	0.11	0.154
CMS_t_sch_8TeV	1	1.265	1.176
ATLAS_t_tch_8TeV	4	0.89	0.672
ATLAS_t_sch_8TeV	1	0.085	0.206
Total			0.382 (0.440)

Table 10: χ^2 table for t8 data

		SM	NS quadratic
Process	N_{data}	χ^2/N_{data}	χ^2/N_{data}
ATLAS_tW_8TeV_inc	1	0.026	0.029
ATLAS_tW_slep_8TeV_inc	1	0.134	0.114
CMS_tW_8TeV_inc	1	0.0	0.002
ATLAS_tW_13TeV_inc	1	0.549	0.513
CMS_tW_13TeV_inc	1	3.855	4.259
Total			0.983 (0.913)

Table 11: χ^2 table for tW data

		SM	NS quadratic
Process	N_{data}	χ^2/N_{data}	χ^2/N_{data}
ATLAS_tZ_13TeV_inc	1	0.0	0.004
ATLAS_tZ_13TeV_run2_inc	1	0.048	0.006
CMS_tZ_13TeV_inc	1	0.678	0.665
CMS_tZ_13TeV_2016_inc	1	1.23	1.188
Total			0.466 (0.489)

Table 12: χ^2 table for tZ data

		SM	NS quadratic
Process	N_{data}	χ^2/N_{data}	χ^2/N_{data}
CMS_tt_13TeV_ljets_2015_Mtt	8	0.939	0.949
CMS_tt_13TeV_dilep_2015_Mtt	6	1.299	1.439
CMS_tt_13TeV_ljets_2016_Mtt	10	1.992	2.169
CMS_tt_13TeV_dilep_2016_Mtt	7	2.282	2.463
ATLAS_tt_13TeV_ljets_2016_Mtt	7	0.986	0.995
Total			1.635 (1.529)

Table 13: χ^2 table for tt13 data

		SM	NS quadratic
Process	N_{data}	χ^2/N_{data}	χ^2/N_{data}
ATLAS_tt_8TeV_ljets_Mtt	7	2.953	2.830
ATLAS_tt_8TeV_dilep_Mtt	6	0.086	0.083
CMS_tt_8TeV_ljets_Ytt	10	0.906	0.991
CMS_tt2D_8TeV_dilep_MttYtt	16	1.628	1.318
Total			1.316 (1.443)

Table 14: χ^2 table for tt8 data

		SM	NS quadratic
Process	N_{data}	χ^2/N_{data}	χ^2/N_{data}
ATLAS_ttW_8TeV	1	1.334	1.220
ATLAS_ttW_13TeV	1	0.828	0.815
ATLAS_ttW_13TeV_2016	1	0.225	0.004
CMS_ttW_8TeV	1	1.781	1.667
CMS_ttW_13TeV	1	0.028	0.182
Total			0.778 (0.839)

Table 15: χ^2 table for ttW data

		SM	NS quadratic
Process	N_{data}	χ^2/N_{data}	χ^2/N_{data}
ATLAS_ttZ_8TeV	1	1.314	1.326
ATLAS_ttZ_13TeV	1	0.007	0.066
ATLAS_ttZ_13TeV_2016	1	0.001	0.144
CMS_ttZ_8TeV	1	0.042	0.040
CMS_ttZ_13TeV	1	1.011	0.400
CMS_ttZ_13TeV_pTZ	4	0.732	0.854
Total			0.599 (0.589)

Table 16: χ^2 table for ttZ data

	NS quadratic	
Process	N_{data}	χ^2/N_{data}
tt8	39	1.316 (1.443)
tt13	38	1.635 (1.529)
WhelF	6	0.978 (1.131)
AC	11	0.560 (0.595)
4H	6	2.048 (1.679)
ttZ	9	0.599 (0.589)
ttW	5	0.778 (0.839)
t8	14	0.382 (0.440)
t13	13	0.425 (0.424)
tW	5	0.983 (0.913)
tZ	4	0.466 (0.489)
HrunI	22	0.873 (0.859)
HrunII	40	0.648 (0.679)
Hdiff	35	0.835 (0.883)
VV	30	1.400 (1.410)
LEP	40	1.239 (1.240)
Total	317	1.043 (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