Process	TRLM	TRMM	TRHM	WR	STCR
Total SM	717.69 ± 8.39	474.52 ± 5.92	680.70 ± 11.25	130.17 ± 4.71	178.41 ± 5.62
$t\bar{t}$	571.83 ± 5.95	407.34 ± 4.55	572.69 ± 4.77	45.82 ± 1.22	51.72 ± 1.25
W+jets	29.07 ± 2.42	8.39 ± 1.15	36.14 ± 9.35	67.27 ± 4.14	19.04 ± 2.10
Single top	102.05 ± 5.35	46.17 ± 3.58	57.87 ± 4.02	8.99 ± 1.53	92.50 ± 5.03
Diboson	4.12 ± 0.57	2.01 ± 0.16	2.81 ± 0.30	5.60 ± 0.94	2.79 ± 0.34
Multiboson	0.01 ± 0.00	0.00 ± 0.00	0.01 ± 0.01	0.00 ± 0.00	0.00 ± 0.00
$t\bar{t} + V$	8.84 ± 0.38	9.73 ± 0.41	9.83 ± 0.39	0.20 ± 0.07	11.00 ± 0.43
$t\bar{t} + h$	0.64 ± 0.03	0.53 ± 0.02	0.67 ± 0.02	0.08 ± 0.01	0.46 ± 0.02
Z+jets	1.06 ± 0.21	0.34 ± 0.08	0.62 ± 0.16	0.95 ± 0.41	0.85 ± 0.18
V+h	0.09 ± 0.01	0.01 ± 0.00	0.05 ± 0.02	1.26 ± 0.40	0.05 ± 0.02
C1N2_Wh_hbb_1000p0_0p0_NoSys	0.02 ± 0.01	0.05 ± 0.02	0.22 ± 0.04	0.00 ± 0.00	0.06 ± 0.02
C1N2_Wh_hbb_1000p0_100p0_NoSys	0.01 ± 0.01	0.01 ± 0.01	0.20 ± 0.04	0.01 ± 0.01	0.03 ± 0.01
C1N2_Wh_hbb_1000p0_150p0_NoSys	0.01 ± 0.01	0.00 ± 0.00	0.24 ± 0.04	0.01 ± 0.01	0.06 ± 0.02
C1N2_Wh_hbb_1000p0_200p0_NoSys	0.02 ± 0.01	0.01 ± 0.01	0.16 ± 0.03	0.01 ± 0.01	0.02 ± 0.01
C1N2_Wh_hbb_1000p0_250p0_NoSys	0.00 ± 0.00	0.03 ± 0.01	0.17 ± 0.03	0.01 ± 0.01	0.07 ± 0.02
C1N2_Wh_hbb_1000p0_300p0_NoSys	0.01 ± 0.01	0.02 ± 0.01	0.22 ± 0.04	0.00 ± 0.00	0.09 ± 0.02
C1N2_Wh_hbb_1000p0_350p0_NoSys	0.01 ± 0.01	0.00 ± 0.00	0.24 ± 0.04	0.01 ± 0.01	0.03 ± 0.01
C1N2_Wh_hbb_1000p0_400p0_NoSys	0.00 ± 0.00	0.02 ± 0.01	0.21 ± 0.04	0.00 ± 0.00	0.06 ± 0.02
C1N2_Wh_hbb_1000p0_50p0_NoSys	0.01 ± 0.01	0.01 ± 0.01	0.19 ± 0.03	0.01 ± 0.01	0.11 ± 0.03
C1N2_Wh_hbb_152p5_22p5_NoSys	4.33 ± 1.41	0.40 ± 0.40	0.56 ± 0.56	1.81 ± 0.92	0.95 ± 0.71
C1N2_Wh_hbb_165p0_35p0_NoSys	3.07 ± 1.27	0.00 ± 0.00	0.00 ± 0.00	3.12 ± 1.21	1.62 ± 0.94
C1N2_Wh_hbb_177p5_47p5_NoSys	1.58 ± 0.93	0.00 ± 0.00	1.18 ± 0.84	1.92 ± 0.98	0.00 ± 0.00
C1N2_Wh_hbb_187p5_12p5_NoSys	2.84 ± 1.28	2.98 ± 1.37	0.68 ± 0.68	3.34 ± 1.41	0.55 ± 0.55
C1N2_Wh_hbb_187p5_37p5_NoSys	3.20 ± 1.31	0.32 ± 0.32	0.60 ± 0.60	0.56 ± 0.56	0.76 ± 0.76
C1N2_Wh_hbb_190p0_60p0_NoSys	1.18 ± 0.84	0.00 ± 0.00	0.00 ± 0.00	1.77 ± 1.03	0.00 ± 0.00
C1N2_Wh_hbb_200p0_0p0_NoSys	3.18 ± 1.28	1.40 ± 0.70	0.55 ± 0.55	1.18 ± 0.71	0.00 ± 0.00
C1N2_Wh_hbb_200p0_25p0_NoSys	2.09 ± 0.95	1.06 ± 0.75	0.00 ± 0.00	1.71 ± 0.87	0.00 ± 0.00
C1N2_Wh_hbb_200p0_50p0_NoSys	2.25 ± 1.01	0.92 ± 0.65	1.42 ± 0.82	1.10 ± 0.70	1.06 ± 0.75
C1N2_Wh_hbb_202p5_72p5_NoSys	0.86 ± 0.62	0.00 ± 0.00	0.51 ± 0.51	1.04 ± 0.73	0.00 ± 0.00
C1N2_Wh_hbb_212p5_37p5_NoSys	5.89 ± 1.81	1.57 ± 0.92	1.50 ± 0.87	0.99 ± 0.70	1.81 ± 0.91
C1N2_Wh_hbb_212p5_62p5_NoSys	1.65 ± 0.85	1.87 ± 1.10	0.43 ± 0.43	1.23 ± 0.90	0.56 ± 0.56
C1N2_Wh_hbb_225p0_0p0_NoSys	2.38 ± 1.07	1.29 ± 0.74	0.85 ± 0.60	0.86 ± 0.62	0.47 ± 0.47
C1N2_Wh_hbb_225p0_25p0_NoSys	1.86 ± 0.94	3.45 ± 1.22	0.32 ± 0.32	1.46 ± 0.75	0.48 ± 0.48
C1N2_Wh_hbb_225p0_50p0_NoSys	1.80 ± 0.90	1.77 ± 0.89	0.79 ± 0.56	0.73 ± 0.52	0.00 ± 0.00
C1N2_Wh_hbb_225p0_75p0_NoSys	2.29 ± 1.01	1.13 ± 0.80	0.43 ± 0.43	0.88 ± 0.63	0.92 ± 0.67
C1N2_Wh_hbb_237p5_62p5_NoSys	2.43 ± 1.10	2.71 ± 1.22	2.14 ± 1.12	0.85 ± 0.64	0.61 ± 0.61
C1N2_Wh_hbb_250p0_0p0_NoSys	2.52 ± 1.21	1.98 ± 1.00	0.89 ± 0.63	1.22 ± 0.88	1.40 ± 0.81
C1N2_Wh_hbb_250p0_100p0_NoSys	1.53 ± 0.90	0.00 ± 0.00	0.00 ± 0.00	1.52 ± 1.08	1.25 ± 0.83
C1N2_Wh_hbb_250p0_25p0_NoSys	1.66 ± 0.97	3.37 ± 1.28	1.33 ± 0.78	2.27 ± 1.16	0.72 ± 0.72
C1N2_Wh_hbb_250p0_50p0_NoSys	1.45 ± 0.89	4.22 ± 1.51	3.55 ± 1.36	0.51 ± 0.51	0.00 ± 0.00
C1N2_Wh_hbb_250p0_75p0_NoSys	0.00 ± 0.00	2.01 ± 1.01	0.54 ± 0.54	0.49 ± 0.49	0.00 ± 0.00
C1N2_Wh_hbb_275p0_0p0_NoSys	3.19 ± 1.26	2.00 ± 0.92	2.61 ± 1.01	0.72 ± 0.72	0.66 ± 0.47
C1N2_Wh_hbb_275p0_25p0_NoSys	1.73 ± 0.83	4.60 ± 1.45	5.72 ± 1.52	0.54 ± 0.54	0.27 ± 0.27
C1N2_Wh_hbb_275p0_50p0_NoSys	1.81 ± 0.91	2.59 ± 1.02	2.63 ± 1.10	1.23 ± 0.87	0.98 ± 0.70
C1N2_Wh_hbb_275p0_75p0_NoSys	3.70 ± 1.15	4.51 ± 1.38	1.83 ± 0.76	0.33 ± 0.33	0.57 ± 0.52
C1N2_Wh_hbb_300p0_0p0_NoSys	1.72 ± 0.87	0.00 ± 0.00	6.38 ± 1.83	0.38 ± 0.38	0.56 ± 0.56
C1N2_Wh_hbb_300p0_100p0_NoSys	2.59 ± 1.17	0.00 ± 0.00	2.85 ± 1.17	0.38 ± 0.38	0.58 ± 0.58
C1N2_Wh_hbb_300p0_150p0_NoSys	1.06 ± 0.21	0.73 ± 0.19	0.65 ± 0.20	0.28 ± 0.12	0.25 ± 0.11
C1N2_Wh_hbb_300p0_25p0_NoSys	2.07 ± 1.05	3.70 ± 1.26	3.31 ± 1.25	2.49 ± 1.12	0.59 ± 0.59
C1N2_Wh_hbb_300p0_50p0_NoSys	2.33 ± 1.24	3.34 ± 1.27	6.96 ± 1.77	1.16 ± 0.83	0.57 ± 0.57
C1N2_Wh_hbb_300p0_75p0_NoSys	1.43 ± 0.84	2.39 ± 1.09	3.76 ± 1.36	1.23 ± 0.71	1.29 ± 0.75
C1N2_Wh_hbb_325p0_0p0_NoSys	3.29 ± 1.18	3.94 ± 1.28	5.68 ± 1.47	1.19 ± 0.69	1.33 ± 0.67
C1N2_Wh_hbb_325p0_50p0_NoSys	0.30 ± 0.30	1.40 ± 0.82	8.21 ± 1.82	0.45 ± 0.45	0.74 ± 0.44
C1N2_Wh_hbb_350p0_0p0_NoSys	2.49 ± 1.00	2.03 ± 0.79	7.80 ± 1.61	0.47 ± 0.47	1.74 ± 0.86
C1N2_Wh_hbb_350p0_100p0_NoSys	0.91 ± 0.53	1.79 ± 0.78	4.57 ± 1.12	0.51 ± 0.36	0.25 ± 0.25
C1N2_Wh_hbb_350p0_150p0_NoSys	2.19 ± 0.93	0.47 ± 0.33	0.90 ± 0.58	0.61 ± 0.44	0.21 ± 0.21
C1N2_Wh_hbb_350p0_200p0_NoSys	0.54 ± 0.38	1.28 ± 0.60	0.58 ± 0.41	0.00 ± 0.00	0.47 ± 0.47
C1N2_Wh_hbb_350p0_25p0_NoSys	1.71 ± 0.70	2.46 ± 1.13	7.92 ± 1.74	0.40 ± 0.40	0.00 ± 0.00
C1N2_Wh_hbb_350p0_50p0_NoSys	1.18 ± 0.59	5.33 ± 1.46	7.55 ± 1.59	1.50 ± 0.70	0.00 ± 0.00
C1N2_Wh_hbb_350p0_75p0_NoSys	2.46 ± 0.99	1.26 ± 0.60	8.76 ± 1.76	0.50 ± 0.35	0.43 ± 0.43
C1N2_Wh_hbb_375p0_0p0_NoSys	1.18 ± 0.68	1.47 ± 0.69	13.31 ± 2.49	0.00 ± 0.00	0.39 ± 0.28
C1N2_Wh_hbb_375p0_50p0_NoSys	1.17 ± 0.77	0.64 ± 0.64	6.30 ± 1.73	0.50 ± 0.30	1.28 ± 0.78
C1N2_Wh_hbb_400p0_0p0_NoSys	1.98 ± 0.73	3.10 ± 1.07	8.91 ± 1.53	1.10 ± 0.70	1.74 ± 0.88
C1N2_Wh_hbb_400p0_100p0_NoSys	0.89 ± 0.59	0.72 ± 0.51	6.92 ± 1.58	0.80 ± 0.51	0.17 ± 0.17
C1N2_Wh_hbb_400p0_150p0_NoSys	1.46 ± 0.73	1.08 ± 0.53	3.74 ± 1.24	0.18 ± 0.18	0.92 ± 0.63
C1N2_Wh_hbb_400p0_200p0_NoSys	0.59 ± 0.59	1.48 ± 0.78	2.63 ± 0.99	0.87 ± 0.62	0.18 ± 0.18
C1N2_Wh_hbb_400p0_250p0_NoSys	0.69 ± 0.34	0.42 ± 0.30	0.66 ± 0.52	0.00 ± 0.00	0.31 ± 0.31
C1N2_Wh_hbb_400p0_25p0_NoSys	0.37 ± 0.26	1.90 ± 0.78	9.75 ± 1.89	0.35 ± 0.25	0.77 ± 0.61
C1N2_Wh_hbb_400p0_50p0_NoSys	1.15 ± 0.59	1.33 ± 0.60	9.96 ± 1.94	0.24 ± 0.24	0.98 ± 0.70
C1N2_Wh_hbb_425p0_0p0_NoSys	0.81 ± 0.66	0.66 ± 0.44	8.02 ± 1.55	0.14 ± 0.14	1.45 ± 0.69
C1N2_Wh_hbb_450p0_0p0_NoSys	0.70 ± 0.41	0.21 ± 0.21	8.69 ± 1.57	0.79 ± 0.47	1.44 ± 0.63
C1N2_Wh_hbb_450p0_100p0_NoSys	1.16 ± 0.54	1.16 ± 0.53	6.91 ± 1.35	0.27 ± 0.19	0.00 ± 0.00
C1N2_Wh_hbb_450p0_150p0_NoSys	1.05 ± 0.54	0.72 ± 0.41	5.74 ± 1.20	0.00 ± 0.00	0.24 ± 0.24
C1N2_Wh_hbb_450p0_200p0_NoSys	0.48 ± 0.34	0.55 ± 0.33	4.52 ± 1.04	0.00 ± 0.00	0.21 ± 0.21
C1N2_Wh_hbb_450p0_250p0_NoSys	0.68 ± 0.39	0.76 ± 0.39	0.92 ± 0.42	0.00 ± 0.00	0.92 ± 0.42
C1N2_Wh_hbb_450p0_300p0_NoSys	0.76 ± 0.45	0.46 ± 0.27	0.47 ± 0.27	0.00 ± 0.00	0.12 ± 0.12
C1N2_Wh_hbb_450p0_50p0_NoSys	0.52 ± 0.37	1.77 ± 0.68	6.09 ± 1.27	0.99 ± 0.44	0.95 ± 0.48
C1N2_Wh_hbb_500p0_0p0_NoSys	0.30 ± 0.21	0.63 ± 0.32	5.44 ± 0.94	0.85 ± 0.39	0.50 ± 0.30
C1N2_Wh_hbb_500p0_100p0_NoSys	1.10 ± 0.43	0.50 ± 0.26	5.91 ± 0.98	0.42 ± 0.25	0.28 ± 0.20
C1N2_Wh_hbb_500p0_150p0_NoSys	1.43 ± 0.48	0.91 ± 0.37	5.32 ± 0.92	0.00 ± 0.00	0.14 ± 0.14
C1N2_Wh_hbb_500p0_200p0_NoSys	0.22 ± 0.22	1.16 ± 0.43	4.22 ± 0.83	0.19 ± 0.19	0.34 ± 0.20
C1N2_Wh_hbb_500p0_250p0_NoSys	0.50 ± 0.26	0.80 ± 0.36	2.13 ± 0.58	0.19 ± 0.19	0.19 ± 0.19
C1N2_Wh_hbb_500p0_300p0_NoSys	0.84 ± 0.34	0.45 ± 0.32	1.06 ± 0.44	0.00 ± 0.00	0.00 ± 0.00
C1N2_Wh_hbb_500p0_350p0_NoSys	0.50 ± 0.36	0.27 ± 0.19	0.31 ± 0.22	0.00 ± 0.00	0.21 ± 0.21
C1N2_Wh_hbb_500p0_50p0_NoSys	0.38 ± 0.22	0.29 ± 0.20	7.01 ± 1.09	0.33 ± 0.24	0.21 ± 0.16
C1N2_Wh_hbb_535p0_400p0_NoSys	0.43 ± 0.25	0.22 ± 0.22	0.00 ± 0.00	0.19 ± 0.19	0.00 ± 0.00
C1N2_Wh_hbb_550p0_0p0_NoSys	0.38 ± 0.27	0.00 ± 0.00	4.73 ± 0.83	0.26 ± 0.19	1.10 ± 0.43
C1N2_Wh_hbb_550p0_100p0_NoSys	0.18 ± 0.18	0.64 ± 0.33	4.96 ± 0.82	0.00 ± 0.00	0.32 ± 0.19
C1N2_Wh_hbb_550p0_150p0_NoSys	0.06 ± 0.06	0.43 ± 0.24	4.49 ± 0.80	0.12 ± 0.12	0.12 ± 0.12
C1N2_Wh_hbb_550p0_200p0_NoSys	0.32 ± 0.24	0.39 ± 0.24	4.40 ± 0.81	0.00 ± 0.00	0.30 ± 0.25
C1N2_Wh_hbb_550p0_250p0_NoSys	0.19 ± 0.19	0.43 ± 0.20	2.14 ± 0.55	0.00 ± 0.00	0.18 ± 0.18
C1N2_Wh_hbb_550p0_300p0_NoSys	0.42 ± 0.11	0.56 ± 0.12	1.97 ± 0.23	0.04 ± 0.03	0.20 ± 0.08
C1N2_Wh_hbb_550p0_50p0_NoSys	0.17 ± 0.17	0.77 ± 0.35	5.08 ± 0.83	0.14 ± 0.14	0.26 ± 0.18
C1N2_Wh_hbb_600p0_0p0_NoSys	0.26 ± 0.16	0.29 ± 0.14	3.44 ± 0.56	0.11 ± 0.11	0.40 ± 0.20
C1N2_Wh_hbb_600p0_100p0_NoSys	0.44 ± 0.22	0.12 ± 0.12	2.85 ± 0.53	0.00 ± 0.00	0.19 ± 0.14
C1N2_Wh_hbb_600p0_150p0_NoSys	0.23 ± 0.16	0.48 ± 0.22	4.85 ± 0.69	0.14 ± 0.14	0.46 ± 0.22
C1N2_Wh_hbb_600p0_200p0_NoSys	0.06 ± 0.06	0.45 ± 0.17	3.08 ± 0.54	0.12 ± 0.12	0.17 ± 0.12
C1N2_Wh_hbb_600p0_250p0_NoSys	0.00 ± 0.00	0.76 ± 0.29	3.10 ± 0.53	0.04 ± 0.04	0.18 ± 0.14
C1N2_Wh_hbb_600p0_300p0_NoSys	0.06 ± 0.06	0.07 ± 0.07	2.97 ± 0.55	0.25 ± 0.14	0.18 ± 0.11
C1N2_Wh_hbb_600p0_350p0_NoSys	0.30 ± 0.18	0.40 ± 0.22	1.75 ± 0.41	0.00 ± 0.00	0.10 ± 0.10
C1N2_Wh_hbb_600p0_400p0_NoSys	0.11 ± 0.11	0.12 ± 0.12	0.82 ± 0.30	0.00 ± 0.00	0.10 ± 0.10
C1N2_Wh_hbb_600p0_50p0_NoSys	0.13 ± 0.13	0.00 ± 0.00	2.69 ± 0.49	0.17 ± 0.12	0.49 ± 0.21
C1N2_Wh_hbb_650p0_0p0_NoSys	0.18 ± 0.11	0.05 ± 0.05	2.57 ± 0.43	0.09 ± 0.09	0.31 ± 0.14
C1N2_Wh_hbb_650p0_100p0_NoSys	0.07 ± 0.07	0.09 ± 0.07	3.13 ± 0.45	0.05 ± 0.05	0.56 ± 0.20
C1N2_Wh_hbb_650p0_150p0_NoSys	0.10 ± 0.07	0.32 ± 0.15	2.70 ± 0.43	0.00 ± 0.00	0.00 ± 0.00
C1N2_Wh_hbb_650p0_200p0_NoSys	0.18 ± 0.10	0.43 ± 0.17	2.54 ± 0.42	0.00 ± 0.00	0.20 ± 0.10
C1N2_Wh_hbb_650p0_250p0_NoSys	0.11 ± 0.08	0.51 ± 0.19	2.51 ± 0.40	0.00 ± 0.00	0.00 ± 0.00
C1N2_Wh_hbb_650p0_300p0_NoSys	0.11 ± 0.08	0.07 ± 0.07	1.38 ± 0.29	0.00 ± 0.00	0.31 ± 0.15
C1N2_Wh_hbb_650p0_50p0_NoSys	0.06 ± 0.06	0.19 ± 0.12	3.23 ± 0.45	0.00 ± 0.00	0.37 ± 0.15
C1N2_Wh_hbb_700p0_0p0_NoSys	0.05 ± 0.03	0.17 ± 0.09	1.83 ± 0.28	0.11 ± 0.08	0.17 ± 0.08
C1N2_Wh_hbb_700p0_100p0_NoSys	0.06 ± 0.05	0.22 ± 0.10	1.47 ± 0.26	0.00 ± 0.00	0.11 ± 0.07
C1N2_Wh_hbb_700p0_150p0_NoSys	0.10 ± 0.07	0.04 ± 0.04	1.72 ± 0.27	0.10 ± 0.07	0.21 ± 0.10
C1N2_Wh_hbb_700p0_200p0_NoSys	0.17 ± 0.08	0.22 ± 0.10	1.46 ± 0.26	0.06 ± 0.04	0.12 ± 0.07
C1N2_Wh_hbb_700p0_250p0_NoSys	0.13 ± 0.06	0.11 ± 0.07	1.67 ± 0.27	0.03 ± 0.03	0.28 ± 0.12
C1N2_Wh_hbb_700p0_300p0_NoSys	0.12 ± 0.07	0.27 ± 0.10	1.77 ± 0.27	0.09 ± 0.07	0.17 ± 0.09
C1N2_Wh_hbb_700p0_350p0_NoSys	0.10 ± 0.07	0.25 ± 0.10	1.29 ± 0.23	0.03 ± 0.03	0.18 ± 0.09
C1N2_Wh_hbb_700p0_400p0_NoSys	0.09 ± 0.07	0.29 ± 0.12	1.34 ± 0.25	0.10 ± 0.07	0.08 ± 0.06
C1N2_Wh_hbb_700p0_50p0_NoSys	0.06 ± 0.06	0.19 ± 0.09	1.62 ± 0.27	0.11 ± 0.08	0.26 ± 0.11
C1N2_Wh_hbb_750p0_100p0_NoSys	0.03 ± 0.03	0.08 ± 0.05	1.07 ± 0.18	0.04 ± 0.04	0.19 ± 0.07
C1N2_Wh_hbb_750p0_150p0_NoSys	0.04 ± 0.04	0.05 ± 0.04	1.30 ± 0.20	0.05 ± 0.04	0.16 ± 0.08
C1N2_Wh_hbb_750p0_200p0_NoSys	0.00 ± 0.00	0.11 ± 0.06	1.21 ± 0.19	0.00 ± 0.00	0.06 ± 0.04
C1N2_Wh_hbb_750p0_250p0_NoSys	0.07 ± 0.05	0.04 ± 0.03	1.24 ± 0.20	0.00 ± 0.00	0.12 ± 0.06
C1N2_Wh_hbb_750p0_300p0_NoSys	0.00 ± 0.00	0.02 ± 0.02	1.32 ± 0.21	0.00 ± 0.00	0.21 ± 0.08
C1N2_Wh_hbb_750p0_50p0_NoSys	0.11 ± 0.06	0.08 ± 0.05	0.94 ± 0.17	0.07 ± 0.04	0.14 ± 0.07
C1N2_Wh_hbb_800p0_0p0_NoSys	0.04 ± 0.01	0.07 ± 0.02	0.76 ± 0.06	0.04 ± 0.02	0.17 ± 0.03
C1N2_Wh_hbb_800p0_100p0_NoSys	0.06 ± 0.03	0.06 ± 0.04	0.90 ± 0.14	0.06 ± 0.03	0.14 ± 0.06
C1N2_Wh_hbb_800p0_150p0_NoSys	0.03 ± 0.02	0.06 ± 0.04	0.82 ± 0.13	0.00 ± 0.00	0.15 ± 0.06
C1N2_Wh_hbb_800p0_200p0_NoSys	0.00 ± 0.00	0.03 ± 0.03	1.00 ± 0.15	0.06 ± 0.04	0.18 ± 0.06
C1N2_Wh_hbb_800p0_250p0_NoSys	0.04 ± 0.03	0.07 ± 0.04	0.93 ± 0.14	0.04 ± 0.03	0.17 ± 0.06
C1N2_Wh_hbb_800p0_300p0_NoSys	0.05 ± 0.03	0.04 ± 0.03	0.79 ± 0.13	0.03 ± 0.02	0.09 ± 0.04
C1N2_Wh_hbb_800p0_350p0_NoSys	0.04 ± 0.03	0.07 ± 0.04	0.63 ± 0.12	0.02 ± 0.02	0.05 ± 0.03
C1N2_Wh_hbb_800p0_400p0_NoSys	0.00 ± 0.00	0.07 ± 0.04	0.72 ± 0.13	0.00 ± 0.00	0.08 ± 0.04
C1N2_Wh_hbb_800p0_50p0_NoSys	0.00 ± 0.00	0.03 ± 0.02	0.90 ± 0.14	0.06 ± 0.04	0.12 ± 0.05
C1N2_Wh_hbb_900p0_0p0_NoSys	0.02 ± 0.01	0.02 ± 0.01	0.42 ± 0.03	0.02 ± 0.01	0.12 ± 0.02
C1N2_Wh_hbb_900p0_100p0_NoSys	0.00 ± 0.00	0.03 ± 0.02	0.42 ± 0.07	0.04 ± 0.02	0.10 ± 0.03
C1N2_Wh_hbb_900p0_150p0_NoSys	0.01 ± 0.01	0.06 ± 0.03	0.55 ± 0.08	0.00 ± 0.00	0.10 ± 0.03
C1N2_Wh_hbb_900p0_200p0_NoSys	0.06 ± 0.03	0.01 ± 0.01	0.33 ± 0.06	0.00 ± 0.00	0.10 ± 0.04
C1N2_Wh_hbb_900p0_250p0_NoSys	0.03 ± 0.02	0.02 ± 0.01	0.35 ± 0.07	0.01 ± 0.01	0.10 ± 0.04
C1N2_Wh_hbb_900p0_300p0_NoSys	0.00 ± 0.00	0.01 ± 0.01	0.49 ± 0.08	0.02 ± 0.02	0.04 ± 0.02
C1N2_Wh_hbb_900p0_350p0_NoSys	0.03 ± 0.02	0.03 ± 0.02	0.47 ± 0.08	0.01 ± 0.01	0.08 ± 0.03
C1N2_Wh_hbb_900p0_400p0_NoSys	0.06 ± 0.03	0.03 ± 0.02	0.46 ± 0.07	0.00 ± 0.00	0.08 ± 0.03
C1N2_Wh_hbb_900p0_50p0_NoSys	0.02 ± 0.02	0.00 ± 0.00	0.38 ± 0.07	0.00 ± 0.00	0.06 ± 0.03
Unweighted Total SM	35302	25950	44870	4785	8763
Unweighted $t\bar{t}$	30552	22063	39965	3008	4545
Unweighted W+jets	573	251	446	778	365
Unweighted Single top	569	188	260	41	385
Unweighted Diboson	400	280	338	254	382
Unweighted Multiboson	4	1	5	1	2
Unweighted $t\bar{t} + V$	1817	1937	1939	43	2027
Unweighted $t\bar{t} + h$	1144	1180	1750	85	964
Unweighted Z+jets	73	33	83	21	51
Unweighted V+h	170	17	84	554	42
Unweighted C1N2_Wh_hbb_1000p0_0p0_NoSys	4	8	38	1	10
Unweighted C1N2_Wh_hbb_1000p0_100p0_NoSys	2	1	34	2	6
Unweighted C1N2_Wh_hbb_1000p0_150p0_NoSys	1	1	42	1	12
Unweighted C1N2_Wh_hbb_1000p0_200p0_NoSys	2	2	27	1	5
Unweighted C1N2_Wh_hbb_1000p0_250p0_NoSys	1	6	33	2	11
Unweighted C1N2_Wh_hbb_1000p0_300p0_NoSys	2	3	40	0	17
Unweighted C1N2_Wh_hbb_1000p0_350p0_NoSys	2	0	41	1	4
Unweighted C1N2_Wh_hbb_1000p0_400p0_NoSys	1	2	34	0	11
Unweighted C1N2_Wh_hbb_1000p0_50p0_NoSys	1	2	35	1	19
Unweighted C1N2_Wh_hbb_152p5_22p5_NoSys	11	1	1	4	2
Unweighted C1N2_Wh_hbb_165p0_35p0_NoSys	6	0	0	7	3
Unweighted C1N2_Wh_hbb_177p5_47p5_NoSys	4	0	2	4	0
Unweighted C1N2_Wh_hbb_187p5_12p5_NoSys	5	5	1	6	1
Unweighted C1N2_Wh_hbb_187p5_37p5_NoSys	6	1	1	1	1
Unweighted C1N2_Wh_hbb_190p0_60p0_NoSys	2	0	0	3	0
Unweighted C1N2_Wh_hbb_200p0_0p0_NoSys	7	4	1	3	0
Unweighted C1N2_Wh_hbb_200p0_25p0_NoSys	5	2	0	4	0
Unweighted C1N2_Wh_hbb_200p0_50p0_NoSys	5	2	3	3	2
Unweighted C1N2_Wh_hbb_202p5_72p5_NoSys	2	0	1	2	0
Unweighted C1N2_Wh_hbb_212p5_37p5_NoSys	11	3	3	3	4
Unweighted C1N2_Wh_hbb_212p5_62p5_NoSys	4	3	1	2	1
Unweighted C1N2_Wh_hbb_225p0_0p0_NoSys	5	3	2	2	1
Unweighted C1N2_Wh_hbb_225p0_25p0_NoSys	4	8	1	4	1
Unweighted C1N2_Wh_hbb_225p0_50p0_NoSys	4	4	2	2	0
Unweighted C1N2_Wh_hbb_225p0_75p0_NoSys	6	2	1	2	2
Unweighted C1N2_Wh_hbb_237p5_62p5_NoSys	5	5	4	2	1
Unweighted C1N2_Wh_hbb_250p0_0p0_NoSys	5	4	2	2	3
Unweighted C1N2_Wh_hbb_250p0_100p0_NoSys	3	0	0	2	3
Unweighted C1N2_Wh_hbb_250p0_25p0_NoSys	3	7	3	4	1
Unweighted C1N2_Wh_hbb_250p0_50p0_NoSys	3	8	7	1	0
Unweighted C1N2_Wh_hbb_250p0_75p0_NoSys	0	4	1	1	0
Unweighted C1N2_Wh_hbb_275p0_0p0_NoSys	7	5	7	1	2
Unweighted C1N2_Wh_hbb_275p0_25p0_NoSys	5	12	15	1	1
Unweighted C1N2_Wh_hbb_275p0_50p0_NoSys	4	7	7	2	2
Unweighted C1N2_Wh_hbb_275p0_75p0_NoSys	11	12	6	1	2
Unweighted C1N2_Wh_hbb_300p0_0p0_NoSys	4	0	13	1	1
Unweighted C1N2_Wh_hbb_300p0_100p0_NoSys	5	1	6	1	2
Unweighted C1N2_Wh_hbb_300p0_150p0_NoSys	28	16	16	6	6
Unweighted C1N2_Wh_hbb_300p0_25p0_NoSys	4	9	8	5	1
Unweighted C1N2_Wh_hbb_300p0_50p0_NoSys	4	7	17	2	1
Unweighted C1N2_Wh_hbb_300p0_75p0_NoSys	3	5	8	3	3
Unweighted C1N2_Wh_hbb_325p0_0p0_NoSys	8	11	16	3	4
Unweighted C1N2_Wh_hbb_325p0_50p0_NoSys	1	3	23	1	3
Unweighted C1N2_Wh_hbb_350p0_0p0_NoSys	8	7	28	1	5
Unweighted C1N2_Wh_hbb_350p0_100p0_NoSys	3	6	19	2	1
Unweighted C1N2_Wh_hbb_350p0_150p0_NoSys	6	2	3	2	1
Unweighted C1N2_Wh_hbb_350p0_200p0_NoSys	2	5	2	0	1
Unweighted C1N2_Wh_hbb_350p0_25p0_NoSys	7	5	24	1	0
Unweighted C1N2_Wh_hbb_350p0_50p0_NoSys	4	15	26	5	0
Unweighted C1N2_Wh_hbb_350p0_75p0_NoSys	8	5	27	2	1
Unweighted C1N2_Wh_hbb_375p0_0p0_NoSys	4	6	39	0	2
Unweighted C1N2_Wh_hbb_375p0_50p0_NoSys	4	1	20	3	4
Unweighted C1N2_Wh_hbb_400p0_0p0_NoSys	10	12	49	4	5
Unweighted C1N2_Wh_hbb_400p0_100p0_NoSys	3	2	26	3	1
Unweighted C1N2_Wh_hbb_400p0_150p0_NoSys	5	5	13	1	3
Unweighted C1N2_Wh_hbb_400p0_200p0_NoSys	1	4	10	2	1
Unweighted C1N2_Wh_hbb_400p0_250p0_NoSys	4	2	2	0	1
Unweighted C1N2_Wh_hbb_400p0_25p0_NoSys	2	8	34	2	2
Unweighted C1N2_Wh_hbb_400p0_50p0_NoSys	4	5	30	1	2
Unweighted C1N2_Wh_hbb_425p0_0p0_NoSys	2	3	32	1	5
Unweighted C1N2_Wh_hbb_450p0_0p0_NoSys	3	1	36	3	6
Unweighted C1N2_Wh_hbb_450p0_100p0_NoSys	5	5	29	2	0
Unweighted C1N2_Wh_hbb_450p0_150p0_NoSys	4	4	25	0	1
Unweighted C1N2_Wh_hbb_450p0_200p0_NoSys	2	3	21	0	1
Unweighted C1N2_Wh_hbb_450p0_250p0_NoSys	3	4	6	0	5
Unweighted C1N2_Wh_hbb_450p0_300p0_NoSys	3	3	3	0	1
Unweighted C1N2_Wh_hbb_450p0_50p0_NoSys	2	7	25	5	4
Unweighted C1N2_Wh_hbb_500p0_0p0_NoSys	2	4	36	5	3
Unweighted C1N2_Wh_hbb_500p0_100p0_NoSys	7	4	40	3	2
Unweighted C1N2_Wh_hbb_500p0_150p0_NoSys	9	6	37	0	1
Unweighted C1N2_Wh_hbb_500p0_200p0_NoSys	1	8	28	1	4
Unweighted C1N2_Wh_hbb_500p0_250p0_NoSys	4	5	15	1	1
Unweighted C1N2_Wh_hbb_500p0_300p0_NoSys	6	2	6	0	0
Unweighted C1N2_Wh_hbb_500p0_350p0_NoSys	2	2	2	0	1
Unweighted C1N2_Wh_hbb_500p0_50p0_NoSys	3	2	45	2	2
Unweighted C1N2_Wh_hbb_535p0_400p0_NoSys	3	1	0	1	0
Unweighted C1N2_Wh_hbb_550p0_0p0_NoSys	2	0	35	2	7
Unweighted C1N2_Wh_hbb_550p0_100p0_NoSys	1	4	40	0	3
Unweighted C1N2_Wh_hbb_550p0_150p0_NoSys	1	5	37	1	1
Unweighted C1N2_Wh_hbb_550p0_200p0_NoSys	2	3	32	0	2
Unweighted C1N2_Wh_hbb_550p0_250p0_NoSys	1	5	16	0	1
Unweighted C1N2_Wh_hbb_550p0_300p0_NoSys	15	22	77	2	7
Unweighted C1N2_Wh_hbb_550p0_50p0_NoSys	1	5	41	1	3
Unweighted C1N2_Wh_hbb_600p0_0p0_NoSys	3	5	40	1	4
Unweighted C1N2_Wh_hbb_600p0_100p0_NoSys	4	1	32	0	2
Unweighted C1N2_Wh_hbb_600p0_150p0_NoSys	2	5	53	1	5
Unweighted C1N2_Wh_hbb_600p0_200p0_NoSys	1	7	37	1	2
Unweighted C1N2_Wh_hbb_600p0_250p0_NoSys	0	8	37	1	2
Unweighted C1N2_Wh_hbb_600p0_300p0_NoSys	1	1	32	3	3
Unweighted C1N2_Wh_hbb_600p0_350p0_NoSys	3	4	20	0	1
Unweighted C1N2_Wh_hbb_600p0_400p0_NoSys	1	1	8	0	1
Unweighted C1N2_Wh_hbb_600p0_50p0_NoSys	1	0	32	3	7
Unweighted C1N2_Wh_hbb_650p0_0p0_NoSys	3	1	40	1	5
Unweighted C1N2_Wh_hbb_650p0_100p0_NoSys	1	2	55	1	9
Unweighted C1N2_Wh_hbb_650p0_150p0_NoSys	2	5	47	0	0
Unweighted C1N2_Wh_hbb_650p0_200p0_NoSys	3	7	40	0	4
Unweighted C1N2_Wh_hbb_650p0_250p0_NoSys	2	8	43	0	0
Unweighted C1N2_Wh_hbb_650p0_300p0_NoSys	2	1	26	0	5
Unweighted C1N2_Wh_hbb_650p0_50p0_NoSys	1	3	56	0	7
Unweighted C1N2_Wh_hbb_700p0_0p0_NoSys	2	4	49	2	5
Unweighted C1N2_Wh_hbb_700p0_100p0_NoSys	2	6	34	0	3
Unweighted C1N2_Wh_hbb_700p0_150p0_NoSys	2	2	46	2	5
Unweighted C1N2_Wh_hbb_700p0_200p0_NoSys	5	5	36	2	3
Unweighted C1N2_Wh_hbb_700p0_250p0_NoSys	4	3	43	1	6
Unweighted C1N2_Wh_hbb_700p0_300p0_NoSys	3	7	47	2	4
Unweighted C1N2_Wh_hbb_700p0_350p0_NoSys	2	6	34	1	5
Unweighted C1N2_Wh_hbb_700p0_400p0_NoSys	2	6	32	2	2
Unweighted C1N2_Wh_hbb_700p0_50p0_NoSys	1	5	40	2	6
Unweighted C1N2_Wh_hbb_750p0_100p0_NoSys	1	2	40	1	7
Unweighted C1N2_Wh_hbb_750p0_150p0_NoSys	1	2	43	2	5
Unweighted C1N2_Wh_hbb_750p0_200p0_NoSys	0	4	43	0	2
Unweighted C1N2_Wh_hbb_750p0_250p0_NoSys	2	2	42	0	5
Unweighted C1N2_Wh_hbb_750p0_300p0_NoSys	0	1	44	0	7
Unweighted C1N2_Wh_hbb_750p0_50p0_NoSys	4	3	36	3	5
Unweighted C1N2_Wh_hbb_800p0_0p0_NoSys	14	16	192	8	45
Unweighted C1N2_Wh_hbb_800p0_100p0_NoSys	4	3	44	3	7
Unweighted C1N2_Wh_hbb_800p0_150p0_NoSys	2	3	42	0	9
Unweighted C1N2_Wh_hbb_800p0_200p0_NoSys	0	1	46	2	9
Unweighted C1N2_Wh_hbb_800p0_250p0_NoSys	2	3	46	2	9
Unweighted C1N2_Wh_hbb_800p0_300p0_NoSys	3	2	43	2	5
Unweighted C1N2_Wh_hbb_800p0_350p0_NoSys	2	3	35	1	3
Unweighted C1N2_Wh_hbb_800p0_400p0_NoSys	0	3	35	0	4
Unweighted C1N2_Wh_hbb_800p0_50p0_NoSys	0	2	41	3	5
Unweighted C1N2_Wh_hbb_900p0_0p0_NoSys	8	13	198	10	55
Unweighted C1N2_Wh_hbb_900p0_100p0_NoSys	0	2	40	4	10
Unweighted C1N2_Wh_hbb_900p0_150p0_NoSys	1	4	51	0	10
Unweighted C1N2_Wh_hbb_900p0_200p0_NoSys	5	1	33	0	7
Unweighted C1N2_Wh_hbb_900p0_250p0_NoSys	2	2	33	1	8
Unweighted C1N2_Wh_hbb_900p0_300p0_NoSys	0	2	46	1	4
Unweighted C1N2_Wh_hbb_900p0_350p0_NoSys	3	3	44	1	6
Unweighted C1N2_Wh_hbb_900p0_400p0_NoSys	5	3	42	0	9
Unweighted C1N2_Wh_hbb_900p0_50p0_NoSys	1	0	37	0	6