

m_{jj} bin range (GeV)	200–400	400–600	600–900	900–1200	1200–1500	1500–2000	2000–2750	2750–3500	>3500
$Z(\nu\nu) + \text{jets}$ (strong)	25267.3 ± 437.2	14785.2 ± 291.8	10136.3 ± 197.3	4245.3 ± 90.2	1797.8 ± 48.8	1178.1 ± 37.1	441.8 ± 19.5	101.8 ± 7.4	26.5 ± 3.2
$Z(\nu\nu) + \text{jets}$ (VBF)	417.4 ± 10.9	474.7 ± 13.1	585.5 ± 14.1	435.5 ± 12.2	276.0 ± 9.5	296.8 ± 11.4	188.5 ± 9.9	66.1 ± 5.3	32.9 ± 4.2
$W(\ell\nu) + \text{jets}$ (strong)	13171.6 ± 211.3	7992.4 ± 135.0	5623.6 ± 100.1	2339.7 ± 51.0	999.3 ± 28.6	665.9 ± 20.7	267.0 ± 13.3	69.8 ± 7.0	21.8 ± 3.9
$W(\ell\nu) + \text{jets}$ (VBF)	265.0 ± 19.9	294.7 ± 20.7	343.5 ± 24.2	237.7 ± 15.7	157.2 ± 9.9	156.8 ± 10.1	108.6 ± 7.4	51.3 ± 4.9	18.1 ± 2.4
$t\bar{t} + \text{single } t \text{ quark}$	514.1 ± 50.5	381.8 ± 40.0	280.7 ± 29.9	118.1 ± 13.6	60.0 ± 7.6	37.7 ± 6.3	13.7 ± 3.3	5.0 ± 1.4	1.7 ± 0.6
Diboson	460.8 ± 69.1	301.1 ± 45.6	241.3 ± 37.6	83.4 ± 13.6	38.0 ± 6.5	26.0 ± 5.1	7.5 ± 1.6	0.6 ± 0.2	0.0 ± 0.1
$Z/\gamma^*(\ell^+\ell^-) + \text{jets}$	187.1 ± 9.6	122.2 ± 7.2	97.8 ± 6.7	36.5 ± 2.9	15.1 ± 1.5	10.8 ± 1.5	4.7 ± 0.7	1.3 ± 0.2	0.3 ± 0.1
Multijet	10.9 ± 2.7	10.6 ± 2.6	10.3 ± 2.6	4.8 ± 1.2	2.3 ± 0.6	2.1 ± 0.5	0.9 ± 0.2	0.4 ± 0.1	0.2 ± 0.1
HF noise	0.8 ± 0.2	35.2 ± 4.6	82.2 ± 11.0	70.0 ± 9.3	27.9 ± 3.8	56.1 ± 7.6	61.8 ± 8.5	30.4 ± 4.0	20.8 ± 2.8
qqH(\rightarrow inv)	25.5	57.7	113.6	110.4	88.6	103.5	81.5	33.7	22.2
Other H(\rightarrow inv) signals	278.1	199.0	163.7	79.6	40.1	30.8	16.0	4.5	2.0
Total bkg.	40295.0 ± 493.7	24397.8 ± 328.3	17401.2 ± 228.5	7570.9 ± 107.7	3373.7 ± 59.2	2430.3 ± 46.5	1094.6 ± 28.2	326.6 ± 13.1	122.4 ± 7.5
Observed	41450	25536	18438	7793	3629	2623	1142	279	136