

m_{jj} bin range (GeV)	200–400	400–600	600–900	900–1200	1200–1500	1500–2000	2000–2750	2750–3500	>3500
$Z(\nu\nu) + \text{jets (strong)}$	13580.6 ± 334.2	8064.7 ± 225.5	5496.4 ± 148.6	2401.7 ± 71.9	1014.3 ± 38.9	678.9 ± 29.4	265.3 ± 15.7	56.9 ± 5.5	18.9 ± 2.7
$Z(\nu\nu) + \text{jets (VBF)}$	219.6 ± 8.1	262.1 ± 10.1	325.2 ± 11.0	245.3 ± 9.7	155.3 ± 7.6	178.1 ± 9.3	117.4 ± 8.2	37.5 ± 4.0	22.4 ± 3.5
$W(\ell\nu) + \text{jets (strong)}$	7038.7 ± 153.2	4376.3 ± 101.3	3073.8 ± 74.7	1316.2 ± 37.7	566.1 ± 22.4	393.7 ± 16.6	153.8 ± 10.6	39.2 ± 5.4	17.1 ± 3.7
$W(\ell\nu) + \text{jets (VBF)}$	142.6 ± 15.1	159.3 ± 15.5	184.8 ± 18.6	130.3 ± 12.2	86.9 ± 7.9	93.5 ± 8.6	64.0 ± 6.0	32.1 ± 4.2	12.6 ± 2.0
$t\bar{t} + \text{single t quark}$	268.1 ± 36.4	241.7 ± 34.5	152.5 ± 23.2	56.0 ± 9.7	28.4 ± 5.4	28.0 ± 6.0	11.0 ± 3.2	4.1 ± 1.4	1.3 ± 0.5
Diboson	259.9 ± 53.4	168.1 ± 35.3	139.8 ± 30.2	49.2 ± 11.1	22.3 ± 5.4	16.9 ± 4.5	4.3 ± 1.3	0.3 ± 0.1	0.0 ± 0.1
$Z/\gamma^*(\ell^+\ell^-) + \text{jets}$	102.2 ± 7.0	68.7 ± 5.4	54.1 ± 5.2	21.2 ± 2.3	9.4 ± 1.2	6.6 ± 1.3	2.2 ± 0.5	0.8 ± 0.2	0.2 ± 0.1
Multijet	4.3 ± 1.7	4.5 ± 1.8	3.8 ± 1.5	2.1 ± 0.8	1.0 ± 0.4	1.0 ± 0.4	0.5 ± 0.2	0.2 ± 0.1	0.1 ± 0.1
HF noise	0.0 ± 0.1	18.2 ± 3.3	53.3 ± 9.6	44.3 ± 7.9	18.4 ± 3.3	37.3 ± 6.7	43.1 ± 7.7	19.4 ± 3.5	13.2 ± 2.4
ggH(\rightarrow inv)	140.4	104.0	89.3	44.7	22.8	18.1	9.8	2.9	1.3
qqH(\rightarrow inv)	14.6	33.5	66.4	63.8	52.2	62.1	52.0	21.9	13.7
WH(\rightarrow inv)	7.7	4.5	2.4	1.0	0.4	0.2	0.1	0.0	0.0
qqZH(\rightarrow inv)	3.6	1.7	0.8	0.4	0.1	0.1	0.0	0.0	0.0
ggZH(\rightarrow inv)	3.4	2.2	1.5	0.6	0.2	0.2	0.1	0.0	0.0
ttH(\rightarrow inv)	0.9	0.7	0.5	0.2	0.1	0.1	0.0	0.0	0.0
Total bkg.	21616.0 ± 373.8	13363.5 ± 252.9	9483.8 ± 172.4	4266.4 ± 84.3	1902.2 ± 47.0	1434.0 ± 37.5	661.6 ± 23.1	190.5 ± 10.3	85.7 ± 6.6
Observed	22505	14036	10220	4374	2080	1555	695	176	95