

$m_{jj}$ bin range (GeV)	200–400	400–600	600–900	900–1200	1200–1500
$Z(\nu\nu) + \text{jets (strong)}$	$26107.6 \pm 82.7$	$15521.0 \pm 62.1$	$10747.3 \pm 48.8$	$4404.4 \pm 25.3$	$1923.4 \pm 16.7$
$Z(\nu\nu) + \text{jets (VBF)}$	$431.3 \pm 6.1$	$498.2 \pm 6.6$	$620.6 \pm 7.0$	$452.0 \pm 6.2$	$294.9 \pm 5.3$
$W(\ell\nu) + \text{jets (strong)}$	$13571.4 \pm 76.8$	$8293.4 \pm 53.0$	$5868.4 \pm 43.2$	$2409.6 \pm 23.4$	$1053.6 \pm 16.1$
$W(\ell\nu) + \text{jets (VBF)}$	$268.0 \pm 10.5$	$301.5 \pm 11.3$	$353.5 \pm 12.7$	$242.8 \pm 8.5$	$163.0 \pm 5.9$
$t\bar{t} + \text{single t quark}$	$498.8 \pm 21.2$	$370.6 \pm 15.6$	$275.5 \pm 11.8$	$115.3 \pm 5.1$	$59.6 \pm 2.8$
Diboson	$464.9 \pm 40.0$	$305.1 \pm 26.2$	$246.3 \pm 21.3$	$85.4 \pm 7.5$	$39.4 \pm 3.5$
$Z/\gamma^*(\ell^+\ell^-) + \text{jets}$	$192.3 \pm 4.4$	$126.3 \pm 2.9$	$102.0 \pm 2.5$	$38.2 \pm 1.0$	$16.1 \pm 0.5$
Multijet	$10.9 \pm 2.0$	$10.6 \pm 1.9$	$10.4 \pm 1.8$	$4.8 \pm 0.9$	$2.3 \pm 0.4$
HF noise	$0.8 \pm 0.1$	$35.1 \pm 3.0$	$82.7 \pm 7.3$	$70.3 \pm 6.2$	$28.1 \pm 2.5$
qqH( $\rightarrow$ inv)	130.5	297.0	586.1	571.7	460.5
Other H( $\rightarrow$ inv) signals	1430.9	1027.1	848.7	414.3	209.5
Total bkg.	$41546.0 \pm 122.3$	$25461.7 \pm 88.2$	$18306.6 \pm 71.5$	$7822.8 \pm 37.6$	$3580.2 \pm 25.1$
Observed	41450	25536	18438	7793	3629

$m_{jj}$ bin range (GeV)	1500–2000	2000–2750	2750–3500	>3500
$Z(\nu\nu) + \text{jets (strong)}$	$1261.7 \pm 12.7$	$462.4 \pm 7.4$	$95.6 \pm 4.7$	$28.8 \pm 1.4$
$Z(\nu\nu) + \text{jets (VBF)}$	$317.8 \pm 6.0$	$197.3 \pm 5.3$	$62.1 \pm 3.6$	$35.8 \pm 2.3$
$W(\ell\nu) + \text{jets (strong)}$	$704.3 \pm 10.9$	$276.7 \pm 7.6$	$65.4 \pm 4.1$	$23.5 \pm 2.4$
$W(\ell\nu) + \text{jets (VBF)}$	$163.9 \pm 6.1$	$111.9 \pm 4.6$	$49.4 \pm 3.2$	$19.2 \pm 1.6$
$t\bar{t} + \text{single t quark}$	$38.7 \pm 2.2$	$14.9 \pm 1.2$	$5.3 \pm 0.5$	$1.8 \pm 0.2$
Diboson	$27.4 \pm 2.7$	$7.9 \pm 0.8$	$0.6 \pm 0.1$	$0.0 \pm 0.1$
$Z/\gamma^*(\ell^+\ell^-) + \text{jets}$	$11.9 \pm 0.6$	$4.9 \pm 0.3$	$1.5 \pm 0.1$	$0.3 \pm 0.1$
Multijet	$2.1 \pm 0.4$	$1.0 \pm 0.2$	$0.4 \pm 0.1$	$0.2 \pm 0.1$
HF noise	$56.4 \pm 5.0$	$62.2 \pm 5.6$	$30.5 \pm 2.7$	$20.9 \pm 1.8$
qqH( $\rightarrow$ inv)	539.6	427.2	177.9	118.0
Other H( $\rightarrow$ inv) signals	161.8	84.7	24.3	11.0
Total bkg.	$2584.4 \pm 19.8$	$1139.2 \pm 14.0$	$310.7 \pm 8.3$	$130.6 \pm 4.4$
Observed	2623	1142	279	136