

Bin	$H_{\text{T}}^{\text{miss}}$ [GeV]	$H_{\text{T}}$ [GeV]	$N_{\text{jet}}$	$N_{\text{b-jet}}$	Lost-lepton background	$Z \rightarrow \nu\bar{\nu}$ background	QCD background	Total background	Observed
31	300–350	300–600	4–5	0	$8720 \pm 110 \pm 120$	$13930 \pm 70 \pm 590$	$630 \pm 350^{+410}_{-290}$	$23280 \pm 370^{+740}_{-660}$	23241
32	300–350	600–1200	4–5	0	$2990 \pm 48 \pm 54$	$3960 \pm 40 \pm 150$	$490 \pm 260 \pm 230$	$7440 \pm 270 \pm 280$	7277
33	300–350	$\geq 1200$	4–5	0	$216 \pm 14 \pm 5$	$317 \pm 12 \pm 18$	$230 \pm 120 \pm 100$	$760 \pm 120 \pm 100$	726
34	350–600	350–600	4–5	0	$5230 \pm 90 \pm 160$	$11410 \pm 70 \pm 450$	$180 \pm 100 \pm 80$	$16820 \pm 150 \pm 490$	16720
35	350–600	600–1200	4–5	0	$4654 \pm 59 \pm 68$	$9000 \pm 60 \pm 350$	$210 \pm 110 \pm 100$	$13870 \pm 140 \pm 370$	13837
36	350–600	$\geq 1200$	4–5	0	$364 \pm 17 \pm 6$	$680 \pm 17 \pm 37$	$104 \pm 56 \pm 45$	$1148 \pm 61 \pm 59$	1141
37	600–850	600–1200	4–5	0	$428 \pm 19 \pm 9$	$1592 \pm 25 \pm 94$	$5.1 \pm 2.8 \pm 2.3$	$2025 \pm 32 \pm 94$	2028
38	600–850	$\geq 1200$	4–5	0	$72.2^{+8.1}_{-7.3} \pm 1.1$	$225 \pm 10 \pm 14$	$1.9 \pm 1.1 \pm 0.8$	$299 \pm 13 \pm 14$	291
39	$\geq 850$	850–1700	4–5	0	$42.4 \pm 6.9 \pm 0.8$	$351 \pm 13 \pm 32$	$0.13 \pm 0.09 \pm 0.5$	$393 \pm 15 \pm 32$	360
40	$\geq 850$	$\geq 1700$	4–5	0	$6.1^{+3.3}_{-2.3} \pm 0.1$	$38.4 \pm 4.2 \pm 4.4$	$0.06 \pm 0.05^{+0.02}_{-0.01}$	$44.6^{+5.5}_{-4.6} \pm 4.4$	51
41	300–350	300–600	4–5	1	$4217 \pm 69 \pm 77$	$2850 \pm 15 \pm 450$	$220 \pm 120^{+200}_{-100}$	$7290 \pm 140 \pm 480$	7157
42	300–350	600–1200	4–5	1	$1389 \pm 35 \pm 23$	$850 \pm 10 \pm 130$	$260 \pm 140^{+210}_{-120}$	$2500 \pm 150^{+250}_{-180}$	2387
43	300–350	$\geq 1200$	4–5	1	$93 \pm 10 \pm 3$	$69 \pm 3 \pm 11$	$93 \pm 50^{+71}_{-43}$	$255 \pm 51^{+72}_{-44}$	229
44	350–600	350–600	4–5	1	$2068 \pm 50 \pm 41$	$2330 \pm 10 \pm 370$	$64 \pm 35^{+49}_{-29}$	$4460 \pm 60 \pm 370$	4317
45	350–600	600–1200	4–5	1	$1777 \pm 40 \pm 29$	$1910 \pm 10 \pm 300$	$92 \pm 50^{+73}_{-42}$	$3780 \pm 70 \pm 300$	3822
46	350–600	$\geq 1200$	4–5	1	$112 \pm 11 \pm 3$	$148 \pm 4 \pm 24$	$45 \pm 24^{+34}_{-21}$	$305 \pm 27^{+42}_{-32}$	350
47	600–850	600–1200	4–5	1	$107 \pm 11 \pm 3$	$332 \pm 5 \pm 54$	$1.8 \pm 1.1^{+1.5}_{-0.8}$	$441 \pm 12 \pm 54$	388
48	600–850	$\geq 1200$	4–5	1	$23.1^{+5.5}_{-4.6} \pm 0.4$	$48.6 \pm 2.2 \pm 8.0$	$0.78 \pm 0.51^{+0.59}_{-0.27}$	$72.5 \pm 5.5 \pm 8.1$	74
49	$\geq 850$	850–1700	4–5	1	$9.4^{+4.0}_{-3.0} \pm 0.3$	$73 \pm 3 \pm 13$	$0.12 \pm 0.09^{+0.09}_{-0.03}$	$82 \pm 5 \pm 13$	73
50	$\geq 850$	$\geq 1700$	4–5	1	$1.0^{+2.3}_{-0.8} \pm 0.0$	$8.3 \pm 1.0 \pm 1.6$	$0.03^{+0.04+0.02}_{-0.03-0.00}$	$9.4^{+2.5}_{-1.2} \pm 1.6$	14
51	300–350	300–600	4–5	2	$1806 \pm 49 \pm 30$	$468 \pm 2 \pm 79$	$68 \pm 45^{+74}_{-24}$	$2340 \pm 70^{+110}_{-90}$	2505
52	300–350	600–1200	4–5	2	$687 \pm 26 \pm 10$	$144 \pm 1 \pm 24$	$71 \pm 39^{+70}_{-32}$	$902 \pm 47^{+75}_{-41}$	864
53	300–350	$\geq 1200$	4–5	2	$34.0^{+7.4}_{-6.2} \pm 0.7$	$12.0 \pm 0.4 \pm 2.1$	$24 \pm 13^{+23}_{-11}$	$70 \pm 14^{+23}_{-11}$	72
54	350–600	350–600	4–5	2	$820 \pm 35 \pm 20$	$381 \pm 2 \pm 64$	$17 \pm 10^{+17}_{-7}$	$1218 \pm 36 \pm 68$	1208
55	350–600	600–1200	4–5	2	$794 \pm 29 \pm 12$	$324 \pm 2 \pm 54$	$23 \pm 13^{+23}_{-10}$	$1141 \pm 32 \pm 58$	1180
56	350–600	$\geq 1200$	4–5	2	$47.8^{+8.2+1.1}_{-7.2-1.1} \pm 0.7$	$25.6^{+0.6+4.4}_{-0.6-4.4}$	$12^{+7+12}_{-7-5}$	$85^{+11+12}_{-10-7}$	78
57	600–850	600–1200	4–5	2	$37.1^{+8.0}_{-6.7} \pm 0.7$	$55.5 \pm 0.9 \pm 9.6$	$0.45 \pm 0.30^{+0.45}_{-0.16}$	$93.1^{+8.0}_{-6.8} \pm 9.7$	98
58	600–850	$\geq 1200$	4–5	2	$8.8^{+5.3}_{-3.5} \pm 0.1$	$8.4 \pm 0.4 \pm 1.5$	$0.20 \pm 0.18^{+0.19}_{-0.02}$	$17.4^{+5.3}_{-3.6} \pm 1.5$	15
59	$\geq 850$	850–1700	4–5	2	$1.2^{+2.8}_{-1.0} \pm 0.0$	$12.0 \pm 0.4 \pm 2.2$	$0.09 \pm 0.07^{+0.09}_{-0.02}$	$13.3^{+2.8}_{-1.1} \pm 2.2$	15
60	$\geq 850$	$\geq 1700$	4–5	2	$0.0^{+2.6}_{-0.0} \pm 0.0$	$1.44 \pm 0.16 \pm 0.28$	$0.04 \pm 0.04^{+0.03}_{-0.00}$	$1.5^{+2.6}_{-0.1} \pm 0.3$	1
61	300–350	300–600	4–5	$\geq 3$	$147 \pm 15 \pm 2$	$40 \pm 0 \pm 14$	$4.4 \pm 4.2^{+6.1}_{-0.2}$	$192 \pm 15 \pm 15$	222
62	300–350	600–1200	4–5	$\geq 3$	$76.7 \pm 9.0 \pm 1.3$	$13.5 \pm 0.1 \pm 4.8$	$9 \pm 6^{+12}_{-3}$	$99 \pm 10^{+13}_{-6}$	92
63	300–350	$\geq 1200$	4–5	$\geq 3$	$5.8^{+3.9}_{-2.5} \pm 0.1$	$1.14 \pm 0.04 \pm 0.41$	$3.7 \pm 2.2^{+4.7}_{-1.5}$	$10.6^{+4.5+4.7}_{-3.3-1.5}$	5
64	350–600	350–600	4–5	$\geq 3$	$73 \pm 11 \pm 1$	$33 \pm 0 \pm 12$	$1.2 \pm 1.1^{+1.6}_{-0.1}$	$107 \pm 11 \pm 12$	111
65	350–600	600–1200	4–5	$\geq 3$	$92^{+11+2}_{-10-2}$	$30^{+0+11}_{-0-11}$	$3.2^{+2.0+4.2}_{-2.0-1.2}$	$125^{+11+12}_{-10-11}$	138
66	350–600	$\geq 1200$	4–5	$\geq 3$	$5.0^{+3.4}_{-2.2} \pm 0.1$	$2.45 \pm 0.06 \pm 0.87$	$1.8 \pm 1.2^{+2.3}_{-0.6}$	$9.3^{+3.6+2.5}_{-2.5-1.1}$	5
67	600–850	600–1200	4–5	$\geq 3$	$1.3^{+1.1+2}_{-1.9} \pm 0.0$	$4.9 \pm 0.1 \pm 1.8$	$0.10^{+0.12+0.13}_{-0.10-0.00}$	$6.3^{+2.9}_{-1.1} \pm 1.8$	5
68	600–850	$\geq 1200$	4–5	$\geq 3$	$0.0^{+2.6}_{-0.0} \pm 0.0$	$0.79 \pm 0.04 \pm 0.28$	$0.10^{+0.12+0.13}_{-0.10-0.00}$	$0.9^{+2.6}_{-0.1} \pm 0.3$	0
69	$\geq 850$	850–1700	4–5	$\geq 3$	$0.0^{+3.2}_{-0.0} \pm 0.0$	$1.05 \pm 0.04 \pm 0.38$	$0.10 \pm 0.09^{+0.13}_{-0.02}$	$1.2^{+3.2}_{-0.1} \pm 0.4$	1
70	$\geq 850$	$\geq 1700$	4–5	$\geq 3$	$0.0^{+2.3}_{-0.0} \pm 0.0$	$0.13 \pm 0.01 \pm 0.05$	$0.04^{+0.05+0.05}_{-0.04-0.00}$	$0.2^{+2.3}_{-0.0} \pm 0.1$	0