

Bin	$H_T^{\text{miss}}$ [GeV]	$H_T$ [GeV]	$N_{\text{jet}}$	$N_{\text{b-jet}}$	Lost- $e/\mu$	$\tau \rightarrow \text{had}$	$Z \rightarrow \nu\bar{\nu}$	QCD	Total pred.	Obs.
31	300-350	300-500	3-4	0	$2830^{+45+200}_{-20-150}$	$2152^{+29+160}_{-19-150}$	$8353^{+52+480}_{-52-470}$	$273^{+68+120}_{-68-100}$	$13608^{+110+560}_{-110-540}$	14520
32	300-350	500-1000	3-4	0	$1125^{+25+120}_{-25-120}$	$909^{+18+100}_{-18-100}$	$2487^{+29+140}_{-28-140}$	$119^{+8+51}_{-8-45}$	$4640^{+52+220}_{-52-210}$	4799
33	300-350	>1000	3-4	0	$72.7^{+7+1+6.1}_{-7.1-6.1}$	$65.3^{+5.2+6.4}_{-5.2-6.4}$	$176^{+8+14}_{-8-12}$	$41^{+2+18}_{-2-16}$	$356^{+15+24}_{-15-22}$	354
34	350-500	350-500	3-4	0	$1439^{+37+110}_{-37-110}$	$930^{+19+120}_{-19-110}$	$5014^{+41+280}_{-41-280}$	$114^{+6+48}_{-6-43}$	$7496^{+70+330}_{-69-320}$	7973
35	350-500	500-1000	3-4	0	$1402^{+27+140}_{-27-140}$	$1253^{+22+120}_{-22-120}$	$4811^{+40+270}_{-40-260}$	$80^{+9+34}_{-9-31}$	$7547^{+65+330}_{-64-320}$	7735
36	350-500	>1000	3-4	0	$103^{+8+11}_{-8-11}$	$77.0^{+5.9+7.6}_{-5.9-7.5}$	$303^{+11+24}_{-10-21}$	$24^{+1+10}_{-1-9}$	$506^{+18+30}_{-17-26}$	490
37	500-750	500-1000	3-4	0	$339^{+15+33}_{-15-33}$	$297^{+10+26}_{-10-26}$	$2143^{+28+150}_{-28-140}$	$5.5^{+0.2+2.3}_{-0.2-2.1}$	$2785^{+37+160}_{-37-150}$	2938
38	500-750	>1000	3-4	0	$33.8^{+4.4+3.6}_{-4.3-3.6}$	$30.5^{+3.4+2.9}_{-3.4-2.9}$	$219^{+10+16}_{-9-15}$	$1.29^{+0.53+0.55}_{-0.53-0.49}$	$284^{+12+17}_{-12-16}$	303
39	>750	750-1500	3-4	0	$28.2^{+4.4+3.7}_{-4.3-3.7}$	$26.0^{+2.9+3.4}_{-2.9-3.4}$	$319^{+11+44}_{-11-40}$	$0.32^{+0.03+0.12}_{-0.03-0.12}$	$373^{+14+44}_{-13-41}$	334
40	>750	>1500	3-4	0	$2.9^{+2.0+0.7}_{-1.5-0.7}$	$1.38^{+0.66+0.17}_{-0.48-0.17}$	$27.8^{+3.9+4.1}_{-3.5-3.8}$	$0.10^{+0.01+0.04}_{-0.01-0.04}$	$32.2^{+4.8+4.2}_{-4.0-3.9}$	46
41	300-350	300-500	3-4	1	$746^{+25+55}_{-25-55}$	$627^{+15+48}_{-15-47}$	$1235^{+8+130}_{-8-120}$	$59^{+4+24}_{-4-22}$	$2667^{+41+150}_{-41-150}$	2677
42	300-350	500-1000	3-4	1	$296^{+15+25}_{-15-25}$	$262^{+9+27}_{-9-27}$	$385^{+4+39}_{-4-39}$	$38^{+4+15}_{-4-14}$	$981^{+24+56}_{-24-56}$	1048
43	300-350	>1000	3-4	1	$20.8^{+4.1+2.1}_{-4.0-2.1}$	$19.0^{+2.6+1.8}_{-2.5-1.8}$	$27.6^{+1.3+3.2}_{-1.2-3.0}$	$11.4^{+0.8+4.7}_{-0.8-4.4}$	$78.8^{+6.9+6.3}_{-6.6-6.0}$	92
44	350-500	350-500	3-4	1	$321^{+17+25}_{-17-25}$	$263^{+10+22}_{-10-21}$	$738^{+6+74}_{-6-74}$	$22.3^{+1.4+9.1}_{-1.4-8.5}$	$1343^{+28+82}_{-28-81}$	1332
45	350-500	500-1000	3-4	1	$322^{+14+26}_{-14-26}$	$324^{+11+26}_{-11-26}$	$737^{+6+74}_{-6-74}$	$17.6^{+3.4+7.2}_{-3.4-6.7}$	$1407^{+26+83}_{-26-83}$	1515
46	350-500	>1000	3-4	1	$20.4^{+4.0+2.0}_{-3.8-2.0}$	$19.9^{+2.9+1.8}_{-2.9-1.7}$	$47.5^{+1.7+5.5}_{-1.6-5.1}$	$5.7^{+0.5+2.3}_{-0.5-2.2}$	$93.4^{+7.1+6.5}_{-6.9-6.2}$	113
47	500-750	500-1000	3-4	1	$69.7^{+7.4+6.6}_{-7.3-6.6}$	$56.0^{+4.1+5.0}_{-4.1-5.0}$	$322^{+4+35}_{-4-35}$	$1.34^{+0.10+0.55}_{-0.10-0.51}$	$449^{+12+36}_{-12-36}$	472
48	500-750	>1000	3-4	1	$15.3^{+3.4+1.9}_{-3.3-1.9}$	$7.0^{+1.4+0.7}_{-1.4-0.7}$	$34.4^{+1.5+3.8}_{-1.4-3.8}$	$0.38^{+0.14+0.16}_{-0.14-0.15}$	$57.0^{+5.1+4.4}_{-4.9-4.3}$	57
49	>750	750-1500	3-4	1	$3.3^{+1.5+0.5}_{-1.3-0.5}$	$4.8^{+1.3+0.8}_{-1.2-0.8}$	$48.5^{+1.7+7.9}_{-1.7-7.3}$	$0.13^{+0.01+0.05}_{-0.01-0.05}$	$56.8^{+3.3+7.9}_{-3.0-7.4}$	61
50	>750	>1500	3-4	1	$1.0^{+1.2+0.3}_{-0.7-0.3}$	$0.77^{+0.75+0.16}_{-0.59-0.16}$	$4.40^{+0.62+0.75}_{-0.55-0.71}$	$0.03^{+0.01+0.01}_{-0.01-0.01}$	$6.2^{+2.0+0.8}_{-1.4-0.8}$	8
51	300-350	300-500	3-4	2	$137^{+11+11}_{-11-11}$	$133^{+7+11}_{-7-11}$	$145^{+1+26}_{-1-26}$	$9.0^{+1.1+3.9}_{-1.1-3.4}$	$424^{+18+31}_{-17-31}$	464
52	300-350	500-1000	3-4	2	$92.3^{+9.1+9.5}_{-9.0-9.5}$	$85.6^{+5.7+7.5}_{-5.7-7.4}$	$53.0^{+0.6+9.6}_{-0.6-9.6}$	$3.8^{+1.2+1.6}_{-1.2-1.4}$	$235^{+15+16}_{-15-15}$	227
53	300-350	>1000	3-4	2	$3.4^{+2.2+0.8}_{-1.7-0.8}$	$2.41^{+0.91+0.50}_{-0.78-0.50}$	$3.95^{+0.18+0.75}_{-0.17-0.73}$	$2.23^{+0.18+0.96}_{-0.18-0.86}$	$12.0^{+3.1+1.6}_{-2.5-1.5}$	17
54	350-500	350-500	3-4	2	$39.6^{+6.1+3.8}_{-5.9-3.8}$	$39.8^{+3.9+3.8}_{-3.8-3.8}$	$84^{+1+15}_{-1-15}$	$2.7^{+0.6+1.1}_{-0.6-1.0}$	$166^{+10+16}_{-10-16}$	208
55	350-500	500-1000	3-4	2	$83.9^{+8.2+7.8}_{-8.1-7.8}$	$69.4^{+4.9+5.9}_{-4.9-5.8}$	$97^{+1+18}_{-1-17}$	$3.1^{+0.2+1.3}_{-0.2-1.2}$	$254^{+13+20}_{-13-20}$	286
56	350-500	>1000	3-4	2	$6.2^{+4.0+1.0}_{-3.6-1.0}$	$3.8^{+1.1+0.6}_{-1.0-0.6}$	$6.8^{+0.2+1.3}_{-0.2-1.3}$	$0.95^{+0.16+0.41}_{-0.16-0.36}$	$17.7^{+5.2+1.8}_{-4.6-1.8}$	25
57	500-750	500-1000	3-4	2	$11.8^{+3.3+2.0}_{-3.1-2.0}$	$10.5^{+1.8+1.6}_{-1.7-1.6}$	$39.7^{+0.5+7.4}_{-0.5-7.3}$	$0.22^{+0.04+0.09}_{-0.04-0.08}$	$62.1^{+5.1+7.8}_{-4.8-7.7}$	64
58	500-750	>1000	3-4	2	$2.6^{+2.3+0.6}_{-1.6-0.6}$	$2.9^{+1.5+0.6}_{-1.5-0.6}$	$4.90^{+0.21+0.92}_{-0.21-0.91}$	$0.10^{+0.03+0.04}_{-0.03-0.04}$	$10.5^{+3.8+1.2}_{-3.1-1.2}$	13
59	>750	750-1500	3-4	2	$0.0^{+1.1+0.0}_{-0.0-0.0}$	$0.32^{+0.48+0.09}_{-0.13-0.09}$	$6.3^{+0.2+1.4}_{-0.2-1.3}$	$0.03^{+0.02+0.01}_{-0.02-0.01}$	$6.6^{+1.6+1.4}_{-0.3-1.3}$	4
60	>750	>1500	3-4	2	$0.0^{+1.1+0.0}_{-0.0-0.0}$	$0.03^{+0.46+0.01}_{-0.02-0.01}$	$0.65^{+0.09+0.15}_{-0.08-0.14}$	$0.01^{+0.01+0.01}_{-0.01-0.00}$	$0.7^{+1.6+0.1}_{-1.0-0.1}$	1
61	300-350	300-500	3-4	$\geq 3$	$6.4^{+2.8+0.7}_{-2.3-0.7}$	$10.3^{+1.9+2.7}_{-1.9-2.7}$	$5.0^{+0.0+2.8}_{-0.0-2.8}$	$0.35^{+0.18+0.42}_{-0.18-0.16}$	$22.0^{+4.7+3.9}_{-4.2-3.9}$	27
62	300-350	500-1000	3-4	$\geq 3$	$4.9^{+2.7+0.6}_{-2.2-0.6}$	$6.2^{+1.4+1.7}_{-1.3-1.7}$	$2.5^{+0.0+1.4}_{-0.0-1.4}$	$0.75^{+0.52+0.90}_{-0.52-0.24}$	$14.4^{+4.2+2.4}_{-3.6-2.2}$	20
63	300-350	>1000	3-4	$\geq 3$	$0.0^{+1.1+0.0}_{-0.0-0.0}$	$0.94^{+0.87+0.44}_{-0.74-0.44}$	$0.21^{+0.01+0.12}_{-0.01-0.12}$	$1.6^{+0.2+1.9}_{-0.2-1.4}$	$2.7^{+2.0+2.0}_{-0.8-1.5}$	4
64	350-500	350-500	3-4	$\geq 3$	$0.6^{+1.2+0.1}_{-0.6-0.0}$	$4.2^{+1.5+1.3}_{-1.4-1.3}$	$2.5^{+0.0+1.4}_{-0.0-1.4}$	$0.09^{+0.04+0.11}_{-0.04-0.05}$	$7.4^{+2.6+1.9}_{-1.9-1.9}$	8
65	350-500	500-1000	3-4	$\geq 3$	$10.2^{+6.3+2.1}_{-5.7-2.1}$	$7.0^{+1.5+1.9}_{-1.5-1.9}$	$4.3^{+0.0+2.4}_{-0.0-2.4}$	$0.78^{+0.18+0.94}_{-0.18-0.60}$	$22.3^{+7.9+3.8}_{-7.2-3.7}$	26
66	350-500	>1000	3-4	$\geq 3$	$0.0^{+1.1+0.0}_{-0.0-0.0}$	$0.21^{+0.49+0.13}_{-0.16-0.13}$	$0.36^{+0.01+0.20}_{-0.01-0.20}$	$0.54^{+0.15+0.65}_{-0.15-0.39}$	$1.1^{+1.6+0.7}_{-0.2-0.5}$	5
67	500-750	500-1000	3-4	$\geq 3$	$1.4^{+2.9+0.4}_{-1.4-0.0}$	$1.13^{+0.74+0.45}_{-0.58-0.45}$	$1.50^{+0.02+0.83}_{-0.02-0.83}$	$0.10^{+0.10+0.13}_{-0.10-0.00}$	$4.1^{+3.6+1.0}_{-2.0-0.9}$	0
68	500-750	>1000	3-4	$\geq 3$	$0.00^{+0.95+0.00}_{-0.00-0.00}$	$0.12^{+0.46+0.09}_{-0.06-0.09}$	$0.26^{+0.01+0.15}_{-0.01-0.15}$	$0.02^{+0.03+0.02}_{-0.02-0.00}$	$0.4^{+1.4+0.2}_{-0.1-0.2}$	2
69	>750	750-1500	3-4	$\geq 3$	$0.00^{+0.97+0.00}_{-0.00-0.00}$	$0.00^{+0.46+0.00}_{-0.00-0.00}$	$0.29^{+0.01+0.16}_{-0.01-0.16}$	$0.01^{+0.02+0.01}_{-0.01-0.00}$	$0.3^{+1.4+0.2}_{-0.0-0.2}$	1
70	>750	>1500	3-4	$\geq 3$	$0.0^{+1.4+0.0}_{-0.0-0.0}$	$0.00^{+0.46+0.00}_{-0.00-0.00}$	$0.04^{+0.01+0.02}_{-0.00-0.02}$	$0.01^{+0.03+0.02}_{-0.01-0.00}$	$0.0^{+1.8+0.0}_{-0.0-0.0}$	0