

Bin	$H_T^{\text{miss}}$ [GeV]	$H_T$ [GeV]	$N_{\text{jet}}$	$N_{b\text{-jet}}$	Lost- $e/\mu$	$\tau \rightarrow \text{had}$	$Z \rightarrow \nu\bar{\nu}$	QCD	Total Pred.	Obs.
81	300-350	300-500	7-8	0	$1.88^{+0.89+0.54}_{-0.72-0.53}$	$0.92^{+0.65+0.31}_{-0.45-0.31}$	$3.79^{+1.20+1.19}_{-1.20-1.12}$	$0.00^{+0.00+0.00}_{-0.00-0.00}$	$6.59^{+1.95+1.34}_{-1.67-1.28}$	8
82	300-350	500-1000	7-8	0	$14.41^{+2.14+2.20}_{-2.10-2.09}$	$18.61^{+1.81+2.03}_{-1.75-1.99}$	$28.47^{+2.97+4.57}_{-2.97-3.58}$	$6.23^{+1.13+5.12}_{-0.96-5.12}$	$67.72^{+5.07+7.49}_{-4.95-6.88}$	69
83	300-350	1000+	7-8	0	$10.01^{+2.26+1.66}_{-2.21-1.63}$	$8.30^{+1.37+1.52}_{-1.29-1.51}$	$7.89^{+1.65+1.22}_{-1.65-0.96}$	$10.06^{+0.86+5.22}_{-0.79-5.22}$	$36.26^{+4.08+5.82}_{-3.95-5.76}$	27
84	350-500	350-500	7-8	0	$0.00^{+0.52+0.00}_{-0.00-0.00}$	$0.05^{+0.46+0.04}_{-0.03-0.02}$	$2.33^{+1.17+1.13}_{-1.17-1.11}$	$0.00^{+0.00+0.00}_{-0.00-0.00}$	$2.39^{+1.53+1.13}_{-1.17-1.11}$	3
85	350-500	500-1000	7-8	0	$15.61^{+2.01+2.34}_{-1.96-2.27}$	$17.91^{+2.12+2.80}_{-2.07-2.78}$	$38.57^{+3.63+5.96}_{-3.63-4.53}$	$3.69^{+1.03+3.79}_{-0.82-3.79}$	$75.77^{+5.59+7.95}_{-5.48-6.45}$	78
86	350-500	1000+	7-8	0	$10.09^{+1.97+1.93}_{-1.92-1.89}$	$9.15^{+1.63+1.11}_{-1.57-1.09}$	$14.64^{+2.29+2.19}_{-2.29-1.67}$	$5.60^{+0.52+2.93}_{-0.47-2.93}$	$39.49^{+4.29+4.28}_{-4.19-4.02}$	35
87	500-750	500-1000	7-8	0	$2.68^{+1.10+0.57}_{-1.02-0.55}$	$1.11^{+0.61+0.20}_{-0.40-0.20}$	$6.78^{+1.56+1.11}_{-1.56-0.87}$	$0.32^{+0.48+0.44}_{-0.22-0.10}$	$10.90^{+2.36+1.33}_{-2.12-1.06}$	14
88	500-750	1000+	7-8	0	$2.25^{+0.77+0.42}_{-0.66-0.40}$	$2.77^{+0.86+0.79}_{-0.72-0.79}$	$10.29^{+2.06+1.57}_{-2.06-1.22}$	$0.70^{+0.19+0.52}_{-0.15-0.52}$	$16.01^{+2.63+1.88}_{-2.48-1.59}$	22
89	750+	750-1500	7-8	0	$0.27^{+0.43+0.11}_{-0.27-0.00}$	$0.03^{+0.46+0.01}_{-0.02-0.01}$	$0.88^{+0.62+0.18}_{-0.62-0.14}$	$0.04^{+0.37+0.12}_{-0.04-0.00}$	$1.22^{+1.15+0.24}_{-0.69-0.14}$	3
90	750+	1500+	7-8	0	$0.20^{+0.47+0.07}_{-0.40-0.00}$	$0.43^{+0.57+0.27}_{-0.34-0.09}$	$0.40^{+0.40+0.11}_{-0.40-0.00}$	$0.13^{+0.12+0.12}_{-0.07-0.06}$	$1.16^{+1.12+0.33}_{-0.68-0.11}$	2
91	300-350	300-500	7-8	1	$0.65^{+0.75+0.20}_{-0.46-0.18}$	$1.43^{+0.69+0.48}_{-0.51-0.48}$	$1.76^{+0.60+0.58}_{-0.60-0.62}$	$0.00^{+0.00+0.00}_{-0.00-0.00}$	$3.84^{+1.56+0.78}_{-1.15-0.80}$	6
92	300-350	500-1000	7-8	1	$17.45^{+2.25+2.40}_{-2.20-2.32}$	$25.39^{+2.16+2.65}_{-2.12-2.59}$	$13.30^{+2.19+2.49}_{-2.15-2.37}$	$1.49^{+0.55+1.26}_{-0.37-1.04}$	$57.63^{+4.96+4.53}_{-4.88-4.71}$	55
93	300-350	1000+	7-8	1	$4.92^{+1.30+0.72}_{-1.20-0.94}$	$5.70^{+1.15+0.67}_{-1.05-0.66}$	$3.70^{+0.90+0.67}_{-0.90-0.82}$	$6.08^{+0.63+3.04}_{-0.37-3.04}$	$20.40^{+2.69+3.32}_{-2.49-3.35}$	26
94	350-500	350-500	7-8	1	$0.63^{+1.07+0.22}_{-0.63-0.00}$	$0.01^{+0.46+0.01}_{-0.00-0.00}$	$1.09^{+0.56+0.54}_{-0.56-0.53}$	$0.00^{+0.00+0.00}_{-0.00-0.00}$	$1.73^{+1.63+0.58}_{-0.85-0.53}$	2
95	350-500	500-1000	7-8	1	$21.48^{+4.95+3.07}_{-4.92-2.98}$	$21.94^{+2.24+2.47}_{-2.19-2.42}$	$17.95^{+2.85+3.26}_{-2.85-3.94}$	$3.93^{+1.07+4.05}_{-0.86-3.07}$	$65.31^{+7.80+6.52}_{-7.71-6.30}$	42
96	350-500	1000+	7-8	1	$7.13^{+1.45+1.40}_{-1.37-1.37}$	$7.88^{+1.38+0.96}_{-1.30-0.94}$	$6.89^{+1.39+1.22}_{-1.39-1.51}$	$2.80^{+0.36+1.46}_{-0.32-1.46}$	$24.70^{+3.18+2.55}_{-3.03-2.68}$	14
97	500-750	500-1000	7-8	1	$1.28^{+0.82+0.24}_{-0.67-0.23}$	$2.23^{+0.83+0.45}_{-0.70-0.45}$	$3.13^{+0.82+0.59}_{-0.82-0.71}$	$0.00^{+0.39+0.17}_{-0.09-0.00}$	$6.73^{+1.89+0.80}_{-1.60-0.87}$	9
98	500-750	1000+	7-8	1	$7.00^{+2.91+1.13}_{-2.87-1.10}$	$3.98^{+1.23+0.84}_{-1.14-0.84}$	$4.89^{+1.16+0.88}_{-1.16-1.09}$	$0.42^{+0.15+0.32}_{-0.12-0.30}$	$16.29^{+4.30+1.69}_{-4.17-1.78}$	10
99	750+	750-1500	7-8	1	$0.43^{+0.52+0.16}_{-0.31-0.12}$	$0.40^{+0.57+0.25}_{-0.34-0.07}$	$0.40^{+0.29+0.09}_{-0.29-0.10}$	$0.17^{+0.43+0.20}_{-0.15-0.02}$	$1.40^{+1.21+0.37}_{-0.72-0.17}$	1
100	750+	1500+	7-8	1	$0.00^{+0.52+0.00}_{-0.00-0.00}$	$0.02^{+0.46+0.01}_{-0.01-0.01}$	$0.21^{+0.21+0.06}_{-0.21-0.00}$	$0.02^{+0.04+0.02}_{-0.01-0.01}$	$0.25^{+1.01+0.06}_{-0.21-0.01}$	2
101	300-350	300-500	7-8	2	$0.27^{+0.68+0.15}_{-0.27-0.00}$	$0.32^{+0.50+0.08}_{-0.19-0.08}$	$0.60^{+0.25+0.26}_{-0.25-0.23}$	$0.00^{+0.00+0.00}_{-0.00-0.00}$	$1.19^{+1.20+0.30}_{-0.52-0.24}$	2
102	300-350	500-1000	7-8	2	$19.23^{+4.50+2.72}_{-4.48-2.61}$	$20.14^{+1.99+2.02}_{-1.94-1.97}$	$4.62^{+1.32+1.53}_{-1.32-1.23}$	$0.38^{+0.36+0.44}_{-0.20-0.18}$	$44.37^{+6.63+3.74}_{-6.55-3.49}$	28
103	300-350	1000+	7-8	2	$1.72^{+0.84+0.34}_{-0.66-0.33}$	$3.76^{+1.04+0.48}_{-0.93-0.47}$	$1.30^{+0.44+0.43}_{-0.44-0.34}$	$2.37^{+0.41+1.19}_{-0.35-1.19}$	$9.15^{+1.97+1.39}_{-1.68-1.37}$	13
104	350-500	350-500	7-8	2	$0.00^{+0.90+0.00}_{-0.00-0.00}$	$0.01^{+0.46+0.00}_{-0.01-0.00}$	$0.38^{+0.22+0.22}_{-0.22-0.17}$	$0.00^{+0.00+0.00}_{-0.00-0.00}$	$0.39^{+1.38+0.22}_{-0.22-0.17}$	1
105	350-500	500-1000	7-8	2	$10.24^{+1.85+1.41}_{-1.78-1.36}$	$12.19^{+1.54+1.80}_{-1.47-1.78}$	$6.15^{+1.73+2.03}_{-1.73-1.60}$	$0.89^{+0.39+0.83}_{-0.28-0.61}$	$29.47^{+3.83+3.16}_{-3.69-2.82}$	23
106	350-500	1000+	7-8	2	$7.85^{+3.23+1.08}_{-3.19-1.06}$	$4.89^{+1.21+0.62}_{-1.12-0.60}$	$2.46^{+0.76+0.80}_{-0.76-0.65}$	$0.86^{+0.22+0.46}_{-0.18-0.46}$	$16.06^{+4.51+1.55}_{-3.48-1.46}$	12
107	500-750	500-1000	7-8	2	$0.00^{+0.48+0.00}_{-0.00-0.00}$	$0.55^{+0.53+0.11}_{-0.27-0.11}$	$1.04^{+0.37+0.35}_{-0.37-0.27}$	$0.00^{+0.35+0.00}_{-0.00-0.00}$	$1.59^{+1.13+0.37}_{-0.45-0.29}$	2
108	500-750	1000+	7-8	2	$1.02^{+0.77+0.20}_{-0.55-0.19}$	$1.54^{+0.74+0.36}_{-0.58-0.35}$	$1.80^{+0.60+0.59}_{-0.60-0.49}$	$0.18^{+0.12+0.14}_{-0.08-0.10}$	$4.53^{+1.63+0.73}_{-1.28-0.64}$	3
109	750+	750-1500	7-8	2	$0.00^{+0.44+0.00}_{-0.00-0.00}$	$0.40^{+0.55+0.24}_{-0.29-0.11}$	$0.12^{+0.09+0.04}_{-0.09-0.03}$	$0.15^{+0.43+0.18}_{-0.14-0.01}$	$0.68^{+1.07+0.31}_{-0.33-0.12}$	1
110	750+	1500+	7-8	2	$0.28^{+0.64+0.09}_{-0.28-0.00}$	$0.11^{+0.47+0.11}_{-0.09-0.01}$	$0.10^{+0.10+0.04}_{-0.10-0.00}$	$0.00^{+0.22+0.00}_{-0.00-0.00}$	$0.49^{+1.14+0.14}_{-0.39-0.01}$	1
111	300-350	300-500	7-8	3+	$0.00^{+0.63+0.00}_{-0.00-0.00}$	$0.03^{+0.46+0.01}_{-0.02-0.01}$	$0.12^{+0.12+0.05}_{-0.12-0.01}$	$0.00^{+0.00+0.00}_{-0.00-0.00}$	$0.15^{+1.10+0.05}_{-0.02-0.01}$	2
112	300-350	500-1000	7-8	3+	$5.97^{+1.94+0.88}_{-1.88-0.86}$	$6.83^{+1.64+1.17}_{-1.57-1.15}$	$0.92^{+0.92+0.33}_{-0.92-0.00}$	$0.00^{+0.22+0.00}_{-0.00-0.00}$	$13.71^{+3.70+1.50}_{-3.57-1.44}$	4
113	300-350	1000+	7-8	3+	$1.06^{+0.83+0.14}_{-0.63-0.13}$	$1.47^{+0.61+0.37}_{-0.41-0.37}$	$0.26^{+0.26+0.09}_{-0.26-0.00}$	$0.42^{+0.21+0.22}_{-0.15-0.22}$	$3.21^{+1.48+0.46}_{-1.07-0.45}$	4
114	350-500	350-500	7-8	3+	$0.00^{+0.84+0.00}_{-0.00-0.00}$	$0.00^{+0.46+0.00}_{-0.00-0.00}$	$0.08^{+0.08+0.04}_{-0.08-0.00}$	$0.00^{+0.00+0.00}_{-0.00-0.00}$	$0.08^{+1.31+0.04}_{-0.08-0.00}$	0
115	350-500	500-1000	7-8	3+	$0.90^{+0.69+0.13}_{-0.45-0.12}$	$2.89^{+0.81+0.55}_{-0.67-0.54}$	$1.22^{+1.22+0.43}_{-1.22-0.00}$	$0.00^{+0.17+0.00}_{-0.00-0.00}$	$5.00^{+1.94+0.71}_{-1.65-0.56}$	1
116	350-500	1000+	7-8	3+	$1.30^{+0.80+0.22}_{-0.60-0.22}$	$2.76^{+1.06+0.48}_{-0.95-0.47}$	$0.49^{+0.50+0.17}_{-0.49-0.00}$	$0.23^{+0.15+0.13}_{-0.10-0.13}$	$4.77^{+1.92+0.57}_{-1.63-0.54}$	3
117	500-750	500-1000	7-8	3+	$0.00^{+0.49+0.00}_{-0.00-0.00}$	$0.19^{+0.48+0.06}_{-0.14-0.04}$	$0.20^{+0.21+0.07}_{-0.20-0.00}$	$0.00^{+0.35+0.00}_{-0.00-0.00}$	$0.39^{+1.05+0.10}_{-0.25-0.04}$	1
118	500-750	1000+	7-8	3+	$0.45^{+0.64+0.10}_{-0.32-0.10}$	$0.85^{+0.71+0.23}_{-0.54-0.24}$	$0.36^{+0.37+0.12}_{-0.36-0.00}$	$0.06^{+0.10+0.05}_{-0.04-0.02}$	$1.72^{+1.40+0.29}_{-0.93-0.26}$	1
119	750+	750-1500	7-8	3+	$0.00^{+0.44+0.00}_{-0.00-0.00}$	$0.04^{+0.46+0.03}_{-0.03-0.01}$	$0.02^{+0.03+0.01}_{-0.02-0.00}$	$0.00^{+0.35+0.00}_{-0.00-0.00}$	$0.06^{+0.97+0.04}_{-0.04-0.01}$	0
120	750+	1500+	7-8	3+	$0.00^{+0.63+0.00}_{-0.00-0.00}$	$0.01^{+0.46+0.01}_{-0.01-0.00}$	$0.02^{+0.03+0.01}_{-0.02-0.00}$	$0.00^{+0.03+0.00}_{-0.00-0.00}$	$0.03^{+1.09+0.01}_{-0.02-0.00}$	0