

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.
111	300-350	500-1000	7-8	0	48.0 <sup>+3.9+5.4</sup> <sub>-3.8-5.4</sub>	60.8 <sup>+3.4+6.0</sup> <sub>-3.4-6.0</sub>	76 <sup>+5+11</sup> <sub>-5-10</sub>	30 <sup>+2+12</sup> <sub>-2-11</sub>	215 <sup>+9+18</sup> <sub>-9-17</sub>	218
112	300-350	>1000	7-8	0	21.2 <sup>+2.9+2.3</sup> <sub>-2.9-2.3</sub>	20.3 <sup>+2.2+2.8</sup> <sub>-2.1-2.8</sub>	23.9 <sup>+3.3+2.5</sup> <sub>-2.9-2.5</sub>	20.5 <sup>+0.5+8.5</sup> <sub>-0.5-7.8</sub>	85.9 <sup>+6.1+9.6</sup> <sub>-5.8-9.0</sub>	85
113	350-500	500-1000	7-8	0	43.2 <sup>+3.9+4.9</sup> <sub>-3.9-4.9</sub>	54.2 <sup>+3.6+5.7</sup> <sub>-3.5-5.7</sub>	89 <sup>+6+11</sup> <sub>-5-10</sub>	14.3 <sup>+1.9+5.9</sup> <sub>-1.9-5.4</sub>	201 <sup>+10+14</sup> <sub>-9-14</sub>	215
114	350-500	>1000	7-8	0	22.5 <sup>+2.8+2.7</sup> <sub>-2.7-2.7</sub>	23.3 <sup>+2.5+2.3</sup> <sub>-2.4-2.3</sub>	48.3 <sup>+4.7+5.4</sup> <sub>-4.3-4.8</sub>	12.6 <sup>+0.7+5.2</sup> <sub>-0.7-4.8</sub>	106.7 <sup>+7.1+8.3</sup> <sub>-6.7-7.7</sub>	75
115	500-750	500-1000	7-8	0	6.9 <sup>+1.8+1.4</sup> <sub>-1.7-1.4</sub>	4.96 <sup>+0.95+0.77</sup> <sub>-0.84-0.77</sub>	26.5 <sup>+3.6+3.3</sup> <sub>-3.2-3.0</sub>	0.88 <sup>+0.10+0.36</sup> <sub>-0.10-0.34</sub>	39.2 <sup>+4.5+3.7</sup> <sub>-4.1-3.5</sub>	34
116	500-750	>1000	7-8	0	5.4 <sup>+1.1+0.9</sup> <sub>-1.0-0.9</sub>	9.9 <sup>+1.6+1.7</sup> <sub>-1.5-1.7</sub>	27.2 <sup>+3.7+3.1</sup> <sub>-3.2-2.8</sub>	1.56 <sup>+0.12+0.64</sup> <sub>-0.12-0.59</sub>	44.1 <sup>+4.5+3.7</sup> <sub>-4.1-3.5</sub>	38
117	>750	750-1500	7-8	0	1.26 <sup>+0.70+0.50</sup> <sub>-0.58-0.50</sub>	1.44 <sup>+0.74+0.24</sup> <sub>-0.57-0.24</sub>	3.6 <sup>+1.4+0.7</sup> <sub>-1.0-0.6</sub>	0.07 <sup>+0.02+0.03</sup> <sub>-0.02-0.03</sub>	6.4 <sup>+2.0+0.9</sup> <sub>-1.5-0.8</sub>	5
118	>750	>1500	7-8	0	0.69 <sup>+0.47+0.16</sup> <sub>-0.35-0.16</sub>	1.03 <sup>+0.69+0.15</sup> <sub>-0.51-0.15</sub>	1.5 <sup>+1.2+0.3</sup> <sub>-0.7-0.3</sub>	0.07 <sup>+0.01+0.03</sup> <sub>-0.01-0.03</sub>	3.3 <sup>+1.7+0.4</sup> <sub>-1.1-0.4</sub>	5
119	300-350	500-1000	7-8	1	64.7 <sup>+5.1+6.4</sup> <sub>-5.1-6.4</sub>	77.0 <sup>+3.9+7.5</sup> <sub>-3.8-7.4</sub>	31.7 <sup>+2.1+8.6</sup> <sub>-1.9-8.4</sub>	11.2 <sup>+0.5+4.7</sup> <sub>-0.5-4.3</sub>	184 <sup>+9+14</sup> <sub>-9-14</sub>	146
120	300-350	>1000	7-8	1	16.3 <sup>+2.4+1.7</sup> <sub>-2.4-1.7</sub>	19.9 <sup>+2.2+2.1</sup> <sub>-2.1-2.1</sub>	10.3 <sup>+1.4+2.7</sup> <sub>-1.2-2.6</sub>	8.3 <sup>+0.2+3.5</sup> <sub>-0.2-3.2</sub>	54.8 <sup>+4.8+5.2</sup> <sub>-4.7-5.0</sub>	68
121	350-500	500-1000	7-8	1	46.9 <sup>+4.4+5.0</sup> <sub>-4.4-5.0</sub>	58.6 <sup>+3.7+5.7</sup> <sub>-3.7-5.7</sub>	37.0 <sup>+2.4+9.7</sup> <sub>-2.2-9.5</sub>	7.5 <sup>+0.4+3.2</sup> <sub>-0.4-2.9</sub>	150 <sup>+8+13</sup> <sub>-8-12</sub>	113
122	350-500	>1000	7-8	1	19.5 <sup>+2.5+2.1</sup> <sub>-2.4-2.1</sub>	19.5 <sup>+2.3+2.0</sup> <sub>-2.3-2.0</sub>	21.0 <sup>+2.0+5.4</sup> <sub>-1.9-5.3</sub>	5.3 <sup>+0.5+2.2</sup> <sub>-0.5-2.0</sub>	65.3 <sup>+5.2+6.5</sup> <sub>-5.1-6.4</sub>	67
123	500-750	500-1000	7-8	1	7.6 <sup>+2.0+1.4</sup> <sub>-1.9-1.4</sub>	5.5 <sup>+1.1+0.8</sup> <sub>-1.1-0.8</sub>	11.5 <sup>+1.6+3.0</sup> <sub>-1.4-3.0</sub>	0.36 <sup>+0.04+0.15</sup> <sub>-0.04-0.14</sub>	24.9 <sup>+3.5+3.4</sup> <sub>-3.3-3.4</sub>	19
124	500-750	>1000	7-8	1	9.3 <sup>+2.1+1.3</sup> <sub>-2.0-1.3</sub>	7.5 <sup>+1.5+0.8</sup> <sub>-1.4-0.8</sub>	11.4 <sup>+1.5+3.0</sup> <sub>-1.4-2.9</sub>	0.98 <sup>+0.12+0.41</sup> <sub>-0.12-0.37</sub>	29.2 <sup>+3.9+3.3</sup> <sub>-3.7-3.3</sub>	22
125	>750	750-1500	7-8	1	0.14 <sup>+0.30+0.05</sup> <sub>-0.14-0.00</sub>	0.44 <sup>+0.51+0.10</sup> <sub>-0.22-0.10</sub>	1.48 <sup>+0.56+0.44</sup> <sub>-0.42-0.43</sub>	0.07 <sup>+0.03+0.03</sup> <sub>-0.03-0.03</sub>	2.14 <sup>+0.99+0.46</sup> <sub>-0.56-0.45</sub>	4
126	>750	>1500	7-8	1	0.00 <sup>+0.47+0.00</sup> <sub>-0.00-0.00</sub>	0.14 <sup>+0.47+0.02</sup> <sub>-0.08-0.02</sub>	0.70 <sup>+0.55+0.22</sup> <sub>-0.34-0.22</sub>	0.03 <sup>+0.01+0.01</sup> <sub>-0.01-0.01</sub>	0.9 <sup>+1.1+0.2</sup> <sub>-0.3-0.2</sub>	6
127	300-350	500-1000	7-8	2	34.7 <sup>+3.5+3.6</sup> <sub>-3.5-3.6</sub>	47.7 <sup>+3.0+4.4</sup> <sub>-3.0-4.4</sub>	8.1 <sup>+0.5+3.6</sup> <sub>-0.5-3.5</sub>	5.3 <sup>+0.5+2.1</sup> <sub>-0.5-2.1</sub>	95.8 <sup>+6.6+7.1</sup> <sub>-6.5-7.0</sub>	95
128	300-350	>1000	7-8	2	9.0 <sup>+2.1+1.2</sup> <sub>-2.1-1.2</sub>	10.8 <sup>+1.4+1.3</sup> <sub>-1.4-1.3</sub>	2.4 <sup>+0.3+1.0</sup> <sub>-0.3-1.0</sub>	3.2 <sup>+0.1+1.3</sup> <sub>-0.1-1.3</sub>	25.4 <sup>+3.6+2.4</sup> <sub>-3.4-2.4</sub>	26
129	350-500	500-1000	7-8	2	26.2 <sup>+3.0+2.9</sup> <sub>-3.0-2.9</sub>	31.0 <sup>+2.5+3.3</sup> <sub>-2.5-3.2</sub>	9.6 <sup>+0.6+4.1</sup> <sub>-0.6-4.1</sub>	2.5 <sup>+0.2+1.0</sup> <sub>-0.2-1.0</sub>	69.3 <sup>+5.6+6.1</sup> <sub>-5.5-6.1</sub>	84
130	350-500	>1000	7-8	2	13.3 <sup>+2.5+1.5</sup> <sub>-2.4-1.5</sub>	13.3 <sup>+1.8+1.3</sup> <sub>-1.7-1.3</sub>	4.7 <sup>+0.5+2.0</sup> <sub>-0.4-2.0</sub>	1.95 <sup>+0.13+0.78</sup> <sub>-0.13-0.75</sub>	33.3 <sup>+4.3+3.0</sup> <sub>-4.2-2.9</sub>	35
131	500-750	500-1000	7-8	2	2.5 <sup>+1.4+0.5</sup> <sub>-1.2-0.5</sub>	0.86 <sup>+0.50+0.21</sup> <sub>-0.18-0.21</sub>	2.6 <sup>+0.3+1.1</sup> <sub>-0.3-1.1</sub>	0.10 <sup>+0.01+0.04</sup> <sub>-0.01-0.04</sub>	6.0 <sup>+1.9+1.3</sup> <sub>-1.4-1.3</sub>	7
132	500-750	>1000	7-8	2	6.0 <sup>+2.3+1.0</sup> <sub>-2.2-1.0</sub>	3.3 <sup>+1.0+0.6</sup> <sub>-0.9-0.6</sub>	2.9 <sup>+0.4+1.2</sup> <sub>-0.3-1.2</sub>	0.22 <sup>+0.06+0.09</sup> <sub>-0.06-0.08</sub>	12.4 <sup>+3.4+1.7</sup> <sub>-3.1-1.7</sub>	12
133	>750	750-1500	7-8	2	0.16 <sup>+0.34+0.08</sup> <sub>-0.16-0.00</sub>	0.44 <sup>+0.56+0.15</sup> <sub>-0.32-0.15</sub>	0.39 <sup>+0.15+0.18</sup> <sub>-0.11-0.18</sub>	0.03 <sup>+0.01+0.01</sup> <sub>-0.01-0.01</sub>	1.03 <sup>+0.91+0.25</sup> <sub>-0.49-0.23</sub>	23
134	>750	>1500	7-8	2	0.53 <sup>+0.62+0.20</sup> <sub>-0.38-0.20</sub>	0.61 <sup>+0.57+0.22</sup> <sub>-0.33-0.22</sub>	0.13 <sup>+0.10+0.06</sup> <sub>-0.06-0.06</sub>	0.06 <sup>+0.02+0.02</sup> <sub>-0.02-0.02</sub>	1.3 <sup>+1.2+0.3</sup> <sub>-0.7-0.3</sub>	2
135	300-350	500-1000	7-8	$\geq 3$	8.1 <sup>+1.8+1.0</sup> <sub>-1.7-1.0</sub>	9.4 <sup>+1.4+1.3</sup> <sub>-1.3-1.3</sub>	4.1 <sup>+0.3+2.3</sup> <sub>-0.2-2.3</sub>	2.9 <sup>+0.6+3.3</sup> <sub>-0.6-3.3</sub>	24.6 <sup>+3.2+4.3</sup> <sub>-3.1-3.7</sub>	12
136	300-350	>1000	7-8	$\geq 3$	4.7 <sup>+2.0+0.7</sup> <sub>-1.8-0.7</sub>	5.4 <sup>+1.2+0.8</sup> <sub>-1.1-0.8</sub>	1.51 <sup>+0.21+0.85</sup> <sub>-0.18-0.84</sub>	2.4 <sup>+0.3+2.7</sup> <sub>-0.3-2.1</sub>	13.9 <sup>+3.2+3.0</sup> <sub>-2.9-2.5</sub>	8
137	350-500	500-1000	7-8	$\geq 3$	5.9 <sup>+1.9+0.8</sup> <sub>-1.7-0.8</sub>	7.4 <sup>+1.4+1.2</sup> <sub>-1.3-1.2</sub>	4.7 <sup>+0.3+2.7</sup> <sub>-0.3-2.7</sub>	1.2 <sup>+0.1+1.3</sup> <sub>-0.1-1.1</sub>	19.2 <sup>+3.2+3.3</sup> <sub>-3.1-3.2</sub>	16
138	350-500	>1000	7-8	$\geq 3$	2.6 <sup>+1.1+0.3</sup> <sub>-1.0-0.3</sub>	4.8 <sup>+1.3+0.7</sup> <sub>-1.2-0.7</sub>	3.1 <sup>+0.3+1.8</sup> <sub>-0.3-1.8</sub>	2.1 <sup>+0.3+2.3</sup> <sub>-0.3-1.8</sub>	12.6 <sup>+2.5+3.0</sup> <sub>-2.2-2.6</sub>	8
139	500-750	500-1000	7-8	$\geq 3$	0.23 <sup>+0.48+0.08</sup> <sub>-0.23-0.00</sub>	0.30 <sup>+0.48+0.10</sup> <sub>-0.20-0.96</sub>	1.70 <sup>+0.23+0.96</sup> <sub>-0.20-0.96</sub>	0.11 <sup>+0.04+0.12</sup> <sub>-0.04-0.08</sub>	2.34 <sup>+0.99+0.98</sup> <sub>-0.41-0.96</sub>	13
140	500-750	>1000	7-8	$\geq 3$	3.4 <sup>+2.4+0.7</sup> <sub>-2.1-0.7</sub>	1.59 <sup>+0.83+0.49</sup> <sub>-0.69-0.49</sub>	1.51 <sup>+0.20+0.85</sup> <sub>-0.18-0.85</sub>	0.22 <sup>+0.08+0.24</sup> <sub>-0.08-0.14</sub>	6.7 <sup>+3.2+1.2</sup> <sub>-2.7-1.2</sub>	4
141	>750	750-1500	7-8	$\geq 3$	0.00 <sup>+0.56+0.00</sup> <sub>-0.00-0.00</sub>	0.05 <sup>+0.46+0.02</sup> <sub>-0.03-0.02</sub>	0.19 <sup>+0.07+0.11</sup> <sub>-0.05-0.11</sub>	0.03 <sup>+0.04+0.03</sup> <sub>-0.03-0.00</sub>	0.3 <sup>+1.0+0.1</sup> <sub>-0.1-0.1</sub>	0
142	>750	>1500	7-8	$\geq 3$	0.00 <sup>+0.72+0.00</sup> <sub>-0.00-0.00</sub>	0.04 <sup>+0.46+0.02</sup> <sub>-0.06-0.07</sub>	0.12 <sup>+0.10+0.07</sup> <sub>-0.01-0.07</sub>	0.01 <sup>+0.03+0.01</sup> <sub>-0.01-0.00</sub>	0.2 <sup>+1.2+0.1</sup> <sub>-0.1-0.1</sub>	0