

| Search Bin | $N_t$ | $N_b$ | $m_{T2}$ [ GeV ] | $E_T^{\text{miss}}$ [ GeV ] | Obs. | Sum. Pred.                                    | $t\bar{t}/W+\text{jets}/\text{single top}$    | $Z(\nu\bar{\nu})+\text{jets}$                                | QCD   | $t\bar{t}Z(\nu\bar{\nu})$                          | Rare  |
|------------|-------|-------|------------------|-----------------------------|------|---|---|--|---|--|---|
| 1          | 1+    | 1+    | 200+             | 250+                        | 4424 | 4100 <sup>+50 +380</sup> <sub>-50 -340</sub>  | 2940 <sup>+50 +340</sup> <sub>-50 -270</sub>  | 667 <sup>+6 +133</sup> <sub>-6 -133</sub>                    | 370 <sup>+10 +150</sup> <sub>-10 -150</sub>   | 88.5 <sup>+0.9 +26.6</sup> <sub>-0.9 -26.6</sub>   | 25.8 <sup>+0.4 +3.0</sup> <sub>-0.4 -3.2</sub>          |
| 2          | 2+    | 2+    | 200+             | 250+                        | 124  | 116 <sup>+8 +15</sup> <sub>-8 -12</sub>       | 98 <sup>+8 +13</sup> <sub>-7 -11</sub>        | 2.5 <sup>+0.3 +1.6</sup> <sub>-0.3 -1.6</sub>                | 8.3 <sup>+1.9 +5.0</sup> <sub>-1.9 -5.0</sub> | 6.4 <sup>+0.2 +1.9</sup> <sub>-0.2 -1.9</sub>      | 0.29 <sup>+0.03 +0.12</sup> <sub>-0.03 -0.18</sub>      |
| 3          | 3+    | 1+    | 200+             | 250+                        | 2    | 3.3 <sup>+2.0 +1.2</sup> <sub>-1.1 -1.1</sub> | 2.1 <sup>+1.9 +0.4</sup> <sub>-1.0 -0.4</sub> | 0.06 <sup>+0.03 +0.05</sup> <sub>-0.03 -0.05</sub>           | 1.0 <sup>+0.6 +1.1</sup> <sub>-0.6 -1.0</sub> | 0.09 <sup>+0.03 +0.03</sup> <sub>-0.03 -0.04</sub> | 0.06 <sup>+0.03 +0.02</sup> <sub>-0.03 -0.02</sub>      |
| 4          | 3+    | 3+    | 200+             | 250+                        | 0    | 0.5 <sup>+1.4 +0.5</sup> <sub>-0.4 -0.5</sub> | 0 <sup>+1 +0</sup> <sub>-0 -0</sub>           | 0.0004 <sup>+0.0004 +0.0002</sup> <sub>-0.0004 -0.0002</sub> | 0.5 <sup>+0.4 +0.5</sup> <sub>-0.4 -0.5</sub> | 0.00 <sup>+0.04 +0.00</sup> <sub>-0.00 -0.00</sub> | 0.0 <sup>+0.1 +0.0</sup> <sub>-0.0 -0.0</sub>           |
| 5          | 2+    | 1+    | 200+             | 400+                        | 41   | 30 <sup>+4 +5</sup> <sub>-3 -4</sub>          | 21 <sup>+4 +3</sup> <sub>-3 -3</sub>          | 3.6 <sup>+0.3 +2.3</sup> <sub>-0.3 -2.3</sub>                | 1.2 <sup>+0.5 +2.1</sup> <sub>-0.5 -1.2</sub> | 3.7 <sup>+0.2 +1.1</sup> <sub>-0.2 -1.1</sub>      | 0.34 <sup>+0.04 +0.07</sup> <sub>-0.04 -0.07</sub>      |
| 6          | 1+    | 2+    | 600+             | 400+                        | 4    | 7.5 <sup>+2.1 +2.0</sup> <sub>-1.2 -1.9</sub> | 3.1 <sup>+2.1 +0.8</sup> <sub>-1.2 -0.6</sub> | 2.9 <sup>+0.3 +1.8</sup> <sub>-0.3 -1.8</sub>                | 0.4 <sup>+0.2 +0.3</sup> <sub>-0.2 -0.3</sub> | 1.0 <sup>+0.1 +0.3</sup> <sub>-0.1 -0.3</sub>      | 0.13 <sup>+0.02 +0.03</sup> <sub>-0.02 -0.03</sub>      |
| Search Bin | $N_t$ | $N_b$ | $H_T$ [ GeV ]    | $E_T^{\text{miss}}$ [ GeV ] | Obs. | Sum. Pred.                                    | $t\bar{t}/W+\text{jets}/\text{single top}$    | $Z(\nu\bar{\nu})+\text{jets}$                                | QCD   | $t\bar{t}Z(\nu\bar{\nu})$                          | Rare  |
| 7          | 1+    | 2+    | 1400+            | 500+                        | 6    | 6.0 <sup>+2.7 +1.5</sup> <sub>-1.5 -1.5</sub> | 4.2 <sup>+2.6 +0.6</sup> <sub>-1.5 -0.6</sub> | 1.4 <sup>+0.2 +1.4</sup> <sub>-0.2 -1.4</sub>                | 0.0 <sup>+0.3 +0.0</sup> <sub>-0.3 -0.0</sub> | 0.34 <sup>+0.05 +0.11</sup> <sub>-0.05 -0.11</sub> | 0.09 <sup>+0.02 +0.03</sup> <sub>-0.02 -0.03</sub>      |
| 8          | 2+    | 3+    | 600+             | 350+                        | 7    | 3.9 <sup>+2.1 +0.9</sup> <sub>-1.2 -0.9</sub> | 2.8 <sup>+2.0 +0.5</sup> <sub>-1.1 -0.5</sub> | 0.10 <sup>+0.04 +0.07</sup> <sub>-0.04 -0.07</sub>           | 0.7 <sup>+0.6 +0.8</sup> <sub>-0.6 -0.7</sub> | 0.29 <sup>+0.05 +0.09</sup> <sub>-0.05 -0.09</sub> | 0.019 <sup>+0.008 +0.005</sup> <sub>-0.008 -0.005</sub> |
| 9          | 2+    | 3+    | 300+             | 500+                        | 0    | 0.6 <sup>+1.0 +0.4</sup> <sub>-0.4 -0.4</sub> | 0.0 <sup>+0.9 +0.0</sup> <sub>-0.0 -0.0</sub> | 0.01 <sup>+0.01 +0.01</sup> <sub>-0.01 -0.01</sub>           | 0.4 <sup>+0.4 +0.4</sup> <sub>-0.4 -0.4</sub> | 0.13 <sup>+0.03 +0.04</sup> <sub>-0.03 -0.04</sub> | 0.005 <sup>+0.004 +0.003</sup> <sub>-0.004 -0.003</sub> |
| 10         | 2+    | 3+    | 1300+            | 500+                        | 0    | 0.2 <sup>+1.8 +0.2</sup> <sub>-0.3 -0.2</sub> | 0 <sup>+2 +0</sup> <sub>-0 -0</sub>           | 0.0003 <sup>+0.0003 +0.0123</sup> <sub>-0.0003 -0.0003</sub> | 0.2 <sup>+0.3 +0.2</sup> <sub>-0.3 -0.2</sub> | 0.04 <sup>+0.02 +0.02</sup> <sub>-0.02 -0.01</sub> | 0.0 <sup>+0.1 +0.0</sup> <sub>-0.0 -0.0</sub>           |