

| Bin | H_T^{miss} [GeV] | H_T [GeV] | N_{jet} | $N_{b\text{-jet}}$ | Lost- e/μ | $\tau \rightarrow \text{had}$ | $Z \rightarrow \nu\bar{\nu}$ | QCD | Total Pred. | Obs. |
|-----|---------------------------|-------------|------------------|--------------------|--|--|--|--|---|------|
| 1 | 200-500 | 500-800 | 4-6 | 0 | 309.96 ^{+11.70+27.99} _{-11.69-26.92} | 300.68 ^{+10.62+18.79} _{-10.61-18.31} | 590.57 ^{+12.96+97.92} _{-12.96-76.42} | 224.80 ^{+3.95+116.39} _{-3.88-116.39} | 1426.01 ^{+26.11+158.55} _{-26.08-142.99} | 1566 |
| 2 | 200-500 | 800-1200 | 4-6 | 0 | 57.51 ^{+4.27+5.32} _{-4.24-5.13} | 67.83 ^{+5.15+4.93} _{-5.13-4.84} | 142.54 ^{+6.55+27.26} _{-6.55-20.20} | 100.17 ^{+1.83+35.31} _{-1.79-35.31} | 368.05 ^{+11.62+45.16} _{-11.57-41.29} | 382 |
| 3 | 200-500 | 1200+ | 4-6 | 0 | 13.40 ^{+2.23+1.34} _{-2.15-1.26} | 13.94 ^{+2.55+1.18} _{-2.50-1.13} | 29.03 ^{+3.17+12.31} _{-3.17-8.07} | 88.41 ^{+1.93+24.81} _{-1.89-24.81} | 144.78 ^{+6.05+27.75} _{-5.94-26.14} | 145 |
| 4 | 500-750 | 500-1200 | 4-6 | 0 | 11.49 ^{+1.93+1.57} _{-1.84-1.53} | 9.00 ^{+1.74+1.46} _{-1.68-1.46} | 56.79 ^{+4.19+16.44} _{-4.19-11.77} | 0.44 ^{+0.13+0.49} _{-0.10-0.34} | 77.72 ^{+5.57+16.58} _{-5.47-11.96} | 119 |
| 5 | 500-750 | 1200+ | 4-6 | 0 | 1.95 ^{+1.04+0.50} _{-0.90-0.50} | 0.65 ^{+0.56+0.16} _{-0.32-0.15} | 5.01 ^{+1.29+2.17} _{-1.29-1.45} | 0.96 ^{+0.17+1.00} _{-0.14-0.82} | 8.56 ^{+2.06+2.44} _{-1.78-1.75} | 13 |
| 6 | 750+ | 800+ | 4-6 | 0 | 1.39 ^{+0.93+0.24} _{-0.77-0.23} | 1.75 ^{+0.99+0.33} _{-0.88-0.32} | 10.75 ^{+1.82+5.91} _{-1.82-3.97} | 0.25 ^{+0.09+0.27} _{-0.07-0.18} | 14.14 ^{+2.65+5.93} _{-2.46-3.99} | 12 |
| 7 | 200-500 | 500-800 | 4-6 | 1 | 167.81 ^{+8.31+16.61} _{-8.29-16.10} | 200.74 ^{+8.42+12.57} _{-8.41-12.19} | 126.06 ^{+20.62+29.98} _{-20.62-26.98} | 70.82 ^{+2.30+39.48} _{-2.23-39.48} | 565.43 ^{+26.65+53.53} _{-26.62-51.91} | 484 |
| 8 | 200-500 | 800-1200 | 4-6 | 1 | 28.85 ^{+3.58+2.70} _{-3.53-2.61} | 30.78 ^{+3.26+2.03} _{-3.12-1.96} | 30.42 ^{+5.13+7.79} _{-5.13-6.74} | 36.44 ^{+1.13+14.87} _{-1.09-14.87} | 126.49 ^{+8.62+17.10} _{-8.55-16.65} | 122 |
| 9 | 200-500 | 1200+ | 4-6 | 1 | 6.29 ^{+1.77+0.84} _{-1.64-0.82} | 8.56 ^{+2.08+0.87} _{-2.03-0.81} | 6.20 ^{+1.21+2.83} _{-1.21-2.02} | 31.57 ^{+1.18+11.04} _{-1.13-11.04} | 52.61 ^{+4.20+11.46} _{-4.03-11.28} | 43 |
| 10 | 500-750 | 500-1200 | 4-6 | 1 | 3.07 ^{+1.17+0.60} _{-1.00-0.59} | 2.65 ^{+0.96+0.48} _{-0.85-0.47} | 12.12 ^{+2.16+4.07} _{-2.16-3.25} | 0.08 ^{+0.04+0.09} _{-0.02-0.06} | 17.92 ^{+3.03+4.14} _{-2.84-3.34} | 22 |
| 11 | 500-750 | 1200+ | 4-6 | 1 | 0.00 ^{+0.52+0.00} _{-0.00-0.00} | 0.08 ^{+0.46+0.02} _{-0.04-0.02} | 1.07 ^{+0.33+0.50} _{-0.33-0.36} | 0.38 ^{+0.12+0.41} _{-0.09-0.29} | 1.53 ^{+1.04+0.64} _{-0.34-0.46} | 0 |
| 12 | 750+ | 800+ | 4-6 | 1 | 0.00 ^{+0.50+0.00} _{-0.00-0.00} | 0.56 ^{+0.56+0.14} _{-0.32-0.13} | 2.29 ^{+0.54+1.32} _{-0.54-0.93} | 0.01 ^{+0.06+0.05} _{-0.00-0.01} | 2.87 ^{+1.19+1.33} _{-0.63-0.94} | 2 |
| 13 | 200-500 | 500-800 | 4-6 | 2 | 70.15 ^{+6.01+7.01} _{-5.98-6.53} | 76.34 ^{+4.96+5.34} _{-4.94-5.20} | 21.92 ^{+6.31+13.67} _{-6.31-13.48} | 16.26 ^{+1.18+9.22} _{-1.10-9.22} | 184.66 ^{+12.71+18.48} _{-12.66-18.34} | 198 |
| 14 | 200-500 | 800-1200 | 4-6 | 2 | 18.40 ^{+4.78+2.50} _{-4.74-2.17} | 16.49 ^{+2.64+1.26} _{-2.56-1.22} | 5.29 ^{+1.54+3.34} _{-1.54-3.27} | 9.44 ^{+0.62+3.92} _{-0.58-3.92} | 49.63 ^{+7.56+5.72} _{-7.48-5.68} | 45 |
| 15 | 200-500 | 1200+ | 4-6 | 2 | 2.06 ^{+1.20+0.23} _{-0.98-0.22} | 2.83 ^{+1.21+0.29} _{-1.12-0.27} | 1.08 ^{+0.33+0.79} _{-0.33-0.71} | 5.57 ^{+0.54+2.06} _{-0.50-2.06} | 11.53 ^{+2.49+2.23} _{-2.18-2.21} | 15 |
| 16 | 500-750 | 500-1200 | 4-6 | 2 | 1.90 ^{+1.84+0.65} _{-1.72-0.17} | 2.23 ^{+0.94+0.74} _{-0.82-0.74} | 2.11 ^{+0.62+1.41} _{-0.62-1.34} | 0.03 ^{+0.03+0.04} _{-0.01-0.02} | 6.26 ^{+2.85+1.60} _{-2.62-1.54} | 5 |
| 17 | 500-750 | 1200+ | 4-6 | 2 | 3.33 ^{+3.37+1.35} _{-3.33-0.00} | 0.08 ^{+0.47+0.02} _{-0.07-0.01} | 0.19 ^{+0.07+0.14} _{-0.07-0.11} | 0.07 ^{+0.08+0.09} _{-0.04-0.03} | 3.67 ^{+3.84+0.17} _{-3.40-0.12} | 0 |
| 18 | 750+ | 800+ | 4-6 | 2 | 0.00 ^{+0.46+0.00} _{-0.00-0.00} | 0.05 ^{+0.46+0.03} _{-0.03-0.01} | 0.40 ^{+0.13+0.33} _{-0.13-0.27} | 0.03 ^{+0.06+0.04} _{-0.02-0.01} | 0.47 ^{+0.93+0.33} _{-0.14-0.27} | 1 |
| 19 | 200-500 | 500-800 | 4-6 | 3+ | 5.76 ^{+1.68+0.73} _{-1.57-0.71} | 10.41 ^{+2.14+1.62} _{-2.09-1.58} | 1.69 ^{+1.69+1.08} _{-1.69-0.00} | 1.33 ^{+0.39+0.92} _{-0.31-0.92} | 19.19 ^{+1.06+2.24} _{-1.04-1.96} | 17 |
| 20 | 200-500 | 800-1200 | 4-6 | 3+ | 0.24 ^{+0.67+0.03} _{-0.24-0.00} | 1.13 ^{+0.62+0.16} _{-0.41-0.15} | 0.41 ^{+0.41+0.26} _{-0.41-0.00} | 0.73 ^{+0.21+0.40} _{-0.16-0.40} | 2.51 ^{+1.37+0.50} _{-0.79-0.43} | 7 |
| 21 | 200-500 | 1200+ | 4-6 | 3+ | 0.80 ^{+0.91+0.13} _{-0.57-0.13} | 0.09 ^{+0.46+0.02} _{-0.04-0.02} | 0.08 ^{+0.08+0.06} _{-0.08-0.00} | 0.72 ^{+0.23+0.36} _{-0.18-0.36} | 1.70 ^{+1.39+0.39} _{-0.64-0.38} | 3 |
| 22 | 500-750 | 500-1200 | 4-6 | 3+ | 0.00 ^{+0.63+0.00} _{-0.00-0.00} | 0.03 ^{+0.46+0.01} _{-0.01-0.01} | 0.16 ^{+0.16+0.11} _{-0.16-0.00} | 0.05 ^{+0.11+0.08} _{-0.04-0.01} | 0.24 ^{+1.10+0.14} _{-0.17-0.01} | 0 |
| 23 | 500-750 | 1200+ | 4-6 | 3+ | 0.00 ^{+0.77+0.00} _{-0.00-0.00} | 0.00 ^{+0.46+0.00} _{-0.00-0.00} | 0.01 ^{+0.01+0.01} _{-0.01-0.00} | 0.00 ^{+0.05+0.01} _{-0.00-0.00} | 0.02 ^{+1.23+0.01} _{-0.01-0.00} | 0 |
| 24 | 750+ | 800+ | 4-6 | 3+ | 0.00 ^{+0.58+0.00} _{-0.00-0.00} | 0.00 ^{+0.46+0.00} _{-0.00-0.00} | 0.03 ^{+0.03+0.03} _{-0.03-0.00} | 0.00 ^{+0.04+0.02} _{-0.00-0.00} | 0.03 ^{+1.04+0.03} _{-0.03-0.00} | 0 |
| 25 | 200-500 | 500-800 | 7-8 | 0 | 18.35 ^{+3.07+2.26} _{-3.04-2.15} | 24.35 ^{+2.68+2.02} _{-2.64-1.99} | 24.39 ^{+2.64+6.29} _{-2.64-4.74} | 14.85 ^{+1.82+8.96} _{-1.63-8.96} | 81.93 ^{+6.58+11.33} _{-6.47-10.55} | 82 |
| 26 | 200-500 | 800-1200 | 7-8 | 0 | 12.40 ^{+1.83+2.17} _{-1.79-2.15} | 15.75 ^{+2.28+1.27} _{-2.23-1.26} | 14.45 ^{+2.13+3.68} _{-2.13-2.74} | 15.73 ^{+1.19+7.19} _{-1.10-7.19} | 58.33 ^{+4.78+8.45} _{-4.68-8.09} | 57 |
| 27 | 200-500 | 1200+ | 7-8 | 0 | 2.88 ^{+1.15+0.32} _{-1.07-0.31} | 3.55 ^{+1.29+0.31} _{-1.20-0.31} | 7.02 ^{+1.57+3.03} _{-1.57-2.03} | 22.57 ^{+1.55+8.96} _{-1.45-8.96} | 36.02 ^{+3.29+9.47} _{-3.12-9.20} | 40 |
| 28 | 500-750 | 500-1200 | 7-8 | 0 | 0.40 ^{+0.43+0.10} _{-0.23-0.10} | 0.80 ^{+0.66+0.13} _{-0.47-0.13} | 0.68 ^{+0.48+0.22} _{-0.48-0.17} | 0.06 ^{+0.10+0.09} _{-0.04-0.02} | 1.95 ^{+1.19+0.29} _{-0.85-0.24} | 1 |
| 29 | 500-750 | 1200+ | 7-8 | 0 | 1.03 ^{+0.88+0.33} _{-0.80-0.24} | 1.42 ^{+0.93+0.28} _{-0.80-0.28} | 0.94 ^{+0.54+0.44} _{-0.54-0.33} | 0.25 ^{+0.17+0.30} _{-0.11-0.14} | 3.65 ^{+1.90+0.65} _{-1.70-0.51} | 1 |
| 30 | 750+ | 800+ | 7-8 | 0 | 0.17 ^{+0.38+0.09} _{-0.17-0.00} | 0.17 ^{+0.39+0.09} _{-0.17-0.00} | 0.55 ^{+0.39+0.33} _{-0.39-0.16} | 0.19 ^{+0.16+0.23} _{-0.09-0.10} | 1.08 ^{+0.53+0.40} _{-0.53-0.19} | 1 |
| 31 | 200-500 | 500-800 | 7-8 | 1 | 25.45 ^{+2.92+3.09} _{-2.89-3.00} | 30.86 ^{+2.91+2.27} _{-2.87-2.24} | 10.66 ^{+2.08+3.37} _{-2.08-3.45} | 8.24 ^{+1.41+5.32} _{-1.22-5.32} | 75.22 ^{+6.35+7.33} _{-6.25-7.36} | 62 |
| 32 | 200-500 | 800-1200 | 7-8 | 1 | 8.81 ^{+1.62+1.25} _{-1.57-1.08} | 14.31 ^{+2.02+1.32} _{-1.97-1.30} | 6.32 ^{+1.38+1.98} _{-1.38-2.03} | 7.60 ^{+0.87+3.84} _{-0.78-3.84} | 37.04 ^{+3.99+4.64} _{-3.88-4.66} | 42 |
| 33 | 200-500 | 1200+ | 7-8 | 1 | 3.25 ^{+1.12+0.36} _{-1.01-0.34} | 6.16 ^{+1.48+0.67} _{-1.41-0.67} | 3.07 ^{+0.85+1.44} _{-0.85-1.19} | 13.30 ^{+1.21+5.96} _{-1.11-5.96} | 25.78 ^{+2.99+6.18} _{-2.80-6.12} | 29 |
| 34 | 500-750 | 500-1200 | 7-8 | 1 | 0.46 ^{+0.49+0.11} _{-0.27-0.11} | 0.42 ^{+0.54+0.12} _{-0.28-0.12} | 0.30 ^{+0.22+0.11} _{-0.22-0.08} | 0.00 ^{+0.12+0.03} _{-0.00-0.00} | 1.18 ^{+1.06+0.20} _{-0.59-0.18} | 1 |
| 35 | 500-750 | 1200+ | 7-8 | 1 | 0.00 ^{+0.40+0.00} _{-0.00-0.00} | 0.25 ^{+0.49+0.05} _{-0.18-0.05} | 0.41 ^{+0.25+0.21} _{-0.25-0.16} | 0.12 ^{+0.14+0.16} _{-0.10-0.15} | 0.78 ^{+0.94+0.27} _{-0.31-0.18} | 2 |
| 36 | 750+ | 800+ | 7-8 | 1 | 0.00 ^{+0.45+0.00} _{-0.00-0.00} | 0.02 ^{+0.46+0.01} _{-0.01-0.00} | 0.24 ^{+0.17+0.15} _{-0.17-0.07} | 0.00 ^{+0.08+0.02} _{-0.00-0.00} | 0.26 ^{+0.93+0.15} _{-0.18-0.07} | 1 |
| 37 | 200-500 | 500-800 | 7-8 | 2 | 13.15 ^{+2.16+1.54} _{-2.11-1.51} | 15.49 ^{+1.82+1.15} _{-1.77-1.13} | 3.72 ^{+1.14+2.47} _{-1.14-2.47} | 0.24 ^{+0.39+0.64} _{-0.10-0.14} | 32.59 ^{+4.16+3.18} _{-4.04-3.11} | 30 |
| 38 | 200-500 | 800-1200 | 7-8 | 2 | 6.20 ^{+1.29+0.72} _{-1.21-0.69} | 10.61 ^{+1.80+0.91} _{-1.74-0.90} | 2.20 ^{+0.71+1.46} _{-0.71-1.46} | 2.22 ^{+0.49+1.19} _{-0.41-1.19} | 21.22 ^{+3.21+2.20} _{-3.07-2.20} | 17 |
| 39 | 200-500 | 1200+ | 7-8 | 2 | 1.34 ^{+0.68+0.16} _{-0.48-0.15} | 1.54 ^{+0.78+0.15} _{-0.63-0.14} | 1.07 ^{+0.39+0.80} _{-0.39-0.68} | 3.42 ^{+0.63+1.63} _{-0.54-1.63} | 7.37 ^{+1.64+1.83} _{-1.29-1.78} | 4 |
| 40 | 500-750 | 500-1200 | 7-8 | 2 | 0.00 ^{+0.39+0.00} _{-0.00-0.00} | 0.04 ^{+0.46+0.01} _{-0.02-0.01} | 0.10 ^{+0.08+0.07} _{-0.08-0.02} | 0.00 ^{+0.12+0.03} _{-0.00-0.00} | 0.15 ^{+0.86+0.08} _{-0.08-0.03} | 0 |
| 41 | 500-750 | 1200+ | 7-8 | 2 | 0.00 ^{+0.43+0.00} _{-0.00-0.00} | 0.10 ^{+0.47+0.06} _{-0.10-0.00} | 0.14 ^{+0.09+0.11} _{-0.09-0.05} | 0.03 ^{+0.11+0.05} _{-0.03-0.00} | 0.27 ^{+0.91+0.12} _{-0.14-0.05} | 1 |
| 42 | 750+ | 800+ | 7-8 | 2 | 0.00 ^{+0.34+0.00} _{-0.00-0.00} | 0.13 ^{+0.48+0.06} _{-0.13-0.00} | 0.08 ^{+0.08+0.07} _{-0.06-0.02} | 0.00 ^{+0.08+0.02} _{-0.00-0.00} | 0.21 ^{+0.82+0.07} _{-0.14-0.02} | 0 |
| 43 | 200-500 | 500-800 | 7-8 | 3+ | 2.97 ^{+0.99+0.34} _{-0.89-0.34} | 5.38 ^{+1.25+0.64} _{-1.16-0.62} | 1.05 ^{+1.05+0.83} _{-1.05-0.00} | 1.15 ^{+0.65+0.92} _{-0.43-0.72} | 10.55 ^{+2.56+1.43} _{-2.34-1.01} | 3 |
| 44 | 200-500 | 800-1200 | 7-8 | 3+ | 0.44 ^{+0.49+0.05} _{-0.25-0.05} | 1.67 ^{+0.77+0.28} _{-0.62-0.27} | 0.62 ^{+0.63+0.49} _{-0.62-0.00} | 0.61 ^{+0.31+0.41} _{-0.22-0.39} | 3.34 ^{+1.45+0.70} _{-1.09-0.48} | 4 |
| 45 | 200-500 | 1200+ | 7-8 | 3+ | 0.66 ^{+0.72+0.12} _{-0.52-0.12} | 0.64 ^{+0.61+0.10} _{-0.40-0.10} | 0.30 ^{+0.31+0.26} _{-0.30-0.00} | 0.05 ^{+0.19+0.11} _{-0.00-0.05} | 1.65 ^{+1.38+0.32} _{-0.97-0.16} | 1 |
| 46 | 500-750 | 500-1200 | 7-8 | 3+ | 0.00 ^{+0.52+0.00} _{-0.00-0.00} | 0.00 ^{+0.46+0.00} _{-0.00-0.00} | 0.03 ^{+0.04+0.02} _{-0.03-0.00} | 0.04 ^{+0.10+0.07} _{-0.03-0.01} | 0.07 ^{+0.98+0.07} _{-0.05-0.01} | 0 |
| 47 | 500-750 | 1200+ | 7-8 | 3+ | 0.00 ^{+0.47+0.00} _{-0.00-0.00} | 0.01 ^{+0.46+0.00} _{-0.01-0.00} | 0.04 ^{+0.05+0.04} _{-0.04-0.00} | 0.00 ^{+0.09+0.02} _{-0.00-0.00} | 0.05 ^{+0.94+0.04} _{-0.04-0.00} | 0 |
| 48 | 750+ | 800+ | 7-8 | 3+ | 0.00 ^{+0.61+0.00} _{-0.00-0.00} | 0.01 ^{+0.46+0.01} _{-0.01-0.00} | 0.02 ^{+0.03+0.02} _{-0.02-0.00} | 0 | | |