

| $N_J$             | $t_{\text{mod}}$ | $M_{\ell b}$<br>[GeV] | $E_T^{\text{miss}}$<br>[GeV] | Lost<br>lepton  | $1\ell$ (top)   | $1\ell$ (not<br>top) | $Z \rightarrow \nu\bar{\nu}$ | Total<br>background | Data |
|-------------------|------------------|-----------------------|------------------------------|-----------------|-----------------|----------------------|------------------------------|---------------------|------|
| $\leq 3$          | $> 10$           |                       | $> 600$                      | $0.62 \pm 0.49$ | $0.28 \pm 0.28$ | $1.7 \pm 0.5$        | $0.82 \pm 0.48$              | $3.4 \pm 0.9$       | 4    |
| $\geq 4$          | $\leq 0$         | $\leq 175$            | $> 550$                      | $9.3 \pm 3.2$   | $0.09 \pm 0.09$ | $0.69 \pm 0.43$      | $0.60 \pm 0.13$              | $10.7 \pm 3.2$      | 8    |
| $\geq 4$          | $> 10$           | $\leq 175$            | $> 450$                      | $4.6 \pm 1.4$   | $0.75 \pm 0.65$ | $0.78 \pm 0.49$      | $2.7 \pm 0.6$                | $8.8 \pm 1.8$       | 3    |
| $\geq 4$          | $\leq 0$         | $> 175$               | $> 450$                      | $2.8 \pm 1.2$   | $0.37 \pm 0.37$ | $1.6 \pm 0.7$        | $0.54 \pm 0.25$              | $5.3 \pm 1.5$       | 3    |
| $\geq 4$          | $> 0$            | $> 175$               | $> 450$                      | $0.34 \pm 0.24$ | $0.11 \pm 0.11$ | $0.70 \pm 0.31$      | $0.71 \pm 0.21$              | $1.9 \pm 0.5$       | 2    |
| compressed region |                  |                       | $> 450$                      | $6.3 \pm 2.4$   | $0.25 \pm 0.18$ | $0.66 \pm 0.29$      | $1.3 \pm 0.3$                | $8.6 \pm 2.5$       | 4    |