

| $N_J$             | $t_{\text{mod}}$ | $M_{\ell b}$<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 |
|-------------------|------------------|-----------------------|------------------------------|----------------|---------------|----------------------|------------------------------|---------------------|------|
| $\leq 3$          | $> 10$           |                       | $> 600$                      | $0.6 \pm 0.5$  | $0.3 \pm 0.3$ | $1.7 \pm 0.5$        | $0.8 \pm 0.5$                | $3.4 \pm 0.9$       | 4    |
| $\geq 4$          | $\leq 0$         | $\leq 175$            | $> 550$                      | $9.3 \pm 3.2$  | $0.1 \pm 0.1$ | $0.7 \pm 0.4$        | $0.6 \pm 0.1$                | $10.7 \pm 3.2$      | 8    |
| $\geq 4$          | $> 10$           | $\leq 175$            | $> 450$                      | $4.6 \pm 1.4$  | $0.8 \pm 0.7$ | $0.8 \pm 0.5$        | $2.7 \pm 0.6$                | $8.8 \pm 1.8$       | 3    |
| $\geq 4$          | $\leq 0$         | $> 175$               | $> 450$                      | $2.8 \pm 1.2$  | $0.4 \pm 0.4$ | $1.6 \pm 0.7$        | $0.5 \pm 0.3$                | $5.3 \pm 1.5$       | 3    |
| $\geq 4$          | $> 0$            | $> 175$               | $> 450$                      | $0.3 \pm 0.2$  | $0.1 \pm 0.1$ | $0.7 \pm 0.3$        | $0.7 \pm 0.2$                | $1.9 \pm 0.5$       | 2    |
| compressed region |                  |                       | $> 450$                      | $6.3 \pm 2.4$  | $0.3 \pm 0.2$ | $0.7 \pm 0.3$        | $1.3 \pm 0.3$                | $8.6 \pm 2.5$       | 4    |