

|                                     | ee             | $e\mu$         | $\mu\mu$       | $3\ell$        | $4\ell$         |
|-------------------------------------|----------------|----------------|----------------|----------------|-----------------|
| $t\bar{t}H, H \rightarrow WW$       | $1.0 \pm 0.1$  | $3.2 \pm 0.4$  | $2.4 \pm 0.3$  | $3.4 \pm 0.5$  | $0.29 \pm 0.04$ |
| $t\bar{t}H, H \rightarrow ZZ$       | —              | $0.1 \pm 0.0$  | $0.1 \pm 0.0$  | $0.2 \pm 0.0$  | $0.09 \pm 0.02$ |
| $t\bar{t}H, H \rightarrow \tau\tau$ | $0.3 \pm 0.0$  | $1.0 \pm 0.1$  | $0.7 \pm 0.1$  | $1.1 \pm 0.2$  | $0.15 \pm 0.02$ |
| $t\bar{t}W$                         | $4.3 \pm 0.6$  | $16.5 \pm 2.3$ | $10.4 \pm 1.5$ | $10.3 \pm 1.9$ | —               |
| $t\bar{t}Z/\gamma^*$                | $1.8 \pm 0.4$  | $4.9 \pm 0.9$  | $2.9 \pm 0.5$  | $8.4 \pm 1.7$  | $1.12 \pm 0.62$ |
| $t\bar{t}WW$                        | $0.1 \pm 0.0$  | $0.4 \pm 0.1$  | $0.3 \pm 0.0$  | $0.4 \pm 0.1$  | $0.04 \pm 0.02$ |
| $t\bar{t}\gamma$                    | $1.3 \pm 0.3$  | $1.9 \pm 0.5$  | —              | $2.6 \pm 0.6$  | —               |
| WZ                                  | $0.6 \pm 0.6$  | $1.5 \pm 1.7$  | $1.0 \pm 1.1$  | $3.9 \pm 0.7$  | —               |
| ZZ                                  | —              | $0.1 \pm 0.1$  | $0.1 \pm 0.0$  | $0.3 \pm 0.1$  | $0.47 \pm 0.10$ |
| Rare SM bkg.                        | $0.4 \pm 0.1$  | $1.6 \pm 0.4$  | $1.1 \pm 0.3$  | $0.8 \pm 0.3$  | $0.01 \pm 0.00$ |
| Non-prompt                          | $7.6 \pm 2.5$  | $20.0 \pm 4.4$ | $11.9 \pm 4.2$ | $33.3 \pm 7.5$ | $0.43 \pm 0.22$ |
| Charge misidentified                | $1.8 \pm 0.5$  | $2.3 \pm 0.7$  | —              | —              | —               |
| All signals                         | $1.4 \pm 0.2$  | $4.3 \pm 0.6$  | $3.1 \pm 0.4$  | $4.7 \pm 0.7$  | $0.54 \pm 0.08$ |
| All backgrounds                     | $18.0 \pm 2.7$ | $49.3 \pm 5.4$ | $27.7 \pm 4.7$ | $59.8 \pm 8.0$ | $2.07 \pm 0.67$ |
| Data                                | 19             | 51             | 41             | 68             | 1               |