

| Process | $N_{\text{events}} (\pm \text{stat})$ | | | |
|---|---------------------------------------|---------------|-----------------|----------------|
| | $e\tau_h$ | | $\mu\tau_h$ | |
| | background-like | signal-like | background-like | signal-like |
| signal | | | | |
| $t\bar{t} \rightarrow (\ell\nu_\ell)(\tau_h\nu_\tau)b\bar{b}$ ($\ell = e, \mu$) | 3439 ± 35 | 5319 ± 43 | 5137 ± 43 | 7892 ± 52 |
| $t\bar{t}$ backgrounds | | | | |
| $t\bar{t} \rightarrow (\ell\nu_\ell)(q\bar{q}')b\bar{b}$ | 2451 ± 30 | 1607 ± 24 | 3674 ± 37 | 2443 ± 30 |
| $t\bar{t} \rightarrow \text{other}$ | 393 ± 12 | 505 ± 13 | 577 ± 14 | 760 ± 16 |
| other backgrounds | | | | |
| single top | 372 ± 8 | 538 ± 9 | 500 ± 9 | 794 ± 12 |
| Drell–Yan | 153 ± 16 | 306 ± 23 | 203 ± 20 | 410 ± 28 |
| $W+\text{jets} \rightarrow \ell\nu + \text{jets}$ | 194 ± 32 | 236 ± 15 | 254 ± 21 | 384 ± 19 |
| dibosons | 16 ± 2 | 37 ± 3 | 23 ± 2 | 57 ± 4 |
| multijet | 71 ± 45 | 376 ± 49 | 122 ± 56 | 231 ± 57 |
| total | 7090 ± 75 | 8925 ± 77 | 10490 ± 86 | 12972 ± 92 |
| data | 6787 | 8633 | 9931 | 13085 |