

Process	3 tags	4 tags	Dilepton
$t\bar{t} + \text{LF}$	24100 ± 5800	320 ± 180	5300 ± 1000
$t\bar{t} + c\bar{c}$	8500 ± 4900	340 ± 260	2100 ± 1200
$t\bar{t} + b\bar{b}$	4100 ± 2300	780 ± 430	750 ± 440
$t\bar{t} + b$	4000 ± 2100	180 ± 110	770 ± 430
$t\bar{t} + 2b$	2300 ± 1200	138 ± 88	400 ± 230
Single top	1980 ± 350	78 ± 26	285 ± 37
$t\bar{t}Z$	202 ± 30	32.0 ± 6.6	54.8 ± 7.3
$t\bar{t}W$	90 ± 23	4.2 ± 2.8	31.4 ± 5.9
tZq	28.3 ± 5.7	2.9 ± 2.3	—
Z+jets	—	—	69 ± 32
Total background	45300 ± 8300	1880 ± 550	9700 ± 1700
$t\bar{t}H$	268 ± 31	62.0 ± 9.9	48.9 ± 5.9
tHq (SM)	11.1 ± 3.3	1.3 ± 0.3	0.31 ± 0.08
tHW (SM)	7.6 ± 1.1	1.1 ± 0.3	1.4 ± 0.2
Total SM	45700 ± 8300	1940 ± 550	9700 ± 1700
tHq ($\kappa_V = 1 = -\kappa_t$)	160 ± 38	19.1 ± 5.2	3.9 ± 1.0
tHW ($\kappa_V = 1 = -\kappa_t$)	92 ± 12	13.7 ± 2.3	17.6 ± 2.2
Data	44311	2035	9065