

Category	3ℓ				4ℓ
b-tag	Loose		Tight		no req.
Total charge	-	+	-	+	no req.
$t\bar{t}H$	6.9 ± 3.3	5.8 ± 3.0	3.0 ± 1.4	3.0 ± 1.2	0.7 ± 0.3
$t\bar{t}W + t\bar{t}WW$	13.3 ± 2.5	22.1 ± 4.2	6.4 ± 1.2	9.2 ± 1.6	0.13 ± 0.03
tH	0.15 ± 0.01	0.36 ± 0.03	0.29 ± 0.09	0.08 ± 0.01	< 0.05
$WZ + ZZ$	4.0 ± 0.8	7.3 ± 1.5	0.2 ± 0.1	0.4 ± 0.1	0.15 ± 0.10
$t\bar{t}Z/\gamma^*$	24.9 ± 4.0	23.2 ± 3.8	13.2 ± 2.2	12.9 ± 2.1	3.9 ± 0.6
Misidentified	12.3 ± 3.0	10.3 ± 2.4	1.7 ± 0.6	2.6 ± 1.1	< 0.05
Conversions	1.5 ± 0.5	2.0 ± 0.6	2.4 ± 0.9	0.8 ± 0.3	< 0.05
Signal flip	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Other	2.4 ± 1.1	3.9 ± 1.6	1.6 ± 0.6	1.8 ± 0.7	0.09 ± 0.05
SM expectation	65.5 ± 6.6	74.9 ± 7.2	28.6 ± 3.2	31.0 ± 3.2	5.0 ± 0.7
Observed data	55	84	23	33	6