

S_T^{lep} region	sample	N_{signal}	N_{control}	R_{CS}
$450 \leq S_T^{\text{lep}} < 550 \text{ GeV}$	$t\bar{t}$	16.7 ± 4.5	227.4 ± 19.1	0.073095
	$t\bar{t}V$	0.8 ± 0.2	18.1 ± 4.4	0.047
	single top	0.0 ± 0.0	1.2 ± 0.5	0.038
	V + jets	0.0 ± 0.0	0.0 ± 0.0	0.000
	SM all	17.5 ± 4.5	246.7 ± 19.6	0.071
	signal(2000,300)	6.3 ± 1.0	3.3 ± 0.7	1.909
$550 \leq S_T^{\text{lep}} < 650 \text{ GeV}$	$t\bar{t}$	4.4 ± 1.4	76.8 ± 9.8	0.057
	$t\bar{t}V$	0.4 ± 0.1	3.7 ± 0.6	0.109
	single top	0.0 ± 0.0	0.2 ± 0.1	0.211
	V + jets	0.0 ± 0.0	1.6 ± 1.6	0.000
	SM all	4.8 ± 1.4	82.3 ± 9.9	0.059
	signal(2000,300)	5.1 ± 0.9	3.8 ± 0.8	1.360
$650 \leq S_T^{\text{lep}} < 750 \text{ GeV}$	$t\bar{t}$	0.8 ± 0.2	29.1 ± 5.1	0.027
	$t\bar{t}V$	0.1 ± 0.0	1.6 ± 0.4	0.055
	single top	0.0 ± 0.0	0.3 ± 0.1	0.000
	V + jets	0.0 ± 0.0	0.0 ± 0.0	0.000
	SM all	0.9 ± 0.2	31.1 ± 5.1	0.028
	signal(2000,300)	7.3 ± 1.1	3.9 ± 0.8	1.885
$S_T^{\text{lep}} \geq 750 \text{ GeV}$	$t\bar{t}$	1.5 ± 0.4	15.5 ± 2.8	0.095
	$t\bar{t}V$	0.2 ± 0.1	1.0 ± 0.3	0.162
	single top	0.0 ± 0.0	0.1 ± 0.0	0.050
	V + jets	0.0 ± 0.0	2.5 ± 1.6	0.000
	SM all	1.6 ± 0.4	19.1 ± 3.3	0.086
	signal(2000,300)	31.6 ± 2.2	17.6 ± 1.6	1.803