

	T2tt(1100, 1)	T2tt(900, 450)	T2tt(500, 325)
Expected events (35.9 fb ⁻¹ at $\sqrt{s} = 13$ TeV)	110	462	18595
Preselection requirements	Events (efficiency)		
Event filter	110 (100%)	462 (100%)	18595 (100%)
μ veto	86 (79%)	366 (79%)	14705 (79%)
e veto	68 (78%)	289 (78%)	11733 (79%)
Isolated track veto	65 (95%)	263 (91%)	9459 (80%)
$N_j \geq 4$	57 (88%)	242 (91%)	7776 (82%)
$N_b \geq 1$	47 (83%)	205 (84%)	6490 (83%)
$H_T \geq 300$ GeV	47 (99%)	203 (99%)	5137 (79%)
$E_T^{\text{miss}} \geq 250$ GeV	42 (88%)	145 (71%)	663 (12%)
$\Delta\phi(E_T^{\text{miss}}, j_{1,2,3}) > 0.5, 0.5, 0.3$	38 (90%)	133 (91%)	413 (62%)
$N_t \geq 1$	28 (73%)	95 (71%)	228 (55%)
$m_{T2} > 200$ GeV	27 (97%)	89 (93%)	168 (73%)
N_b, N_t regions	Events (efficiency)		
$N_b = 1, N_t = 1$	10.9 (39%)	37.4 (41%)	82.9 (49%)
$N_b = 1, N_t = 2$	3.5 (12%)	8.0 (8%)	15.8 (9%)
$N_b = 1, N_t \geq 3$	0.1 (0%)	0.1 (0%)	0.5 (0%)
$N_b = 2, N_t = 1$	7.6 (27%)	28.6 (31%)	40.8 (24%)
$N_b = 2, N_t = 2$	3.4 (12%)	9.4 (10%)	15.2 (9%)
$N_b = 2, N_t \geq 3$	0.1 (0%)	0.3 (0%)	1.0 (0%)
$N_b \geq 3, N_t = 1$	1.3 (4%)	4.1 (4%)	8.6 (5%)
$N_b \geq 3, N_t = 2$	0.7 (2%)	1.9 (2%)	3.6 (2%)
$N_b \geq 3, N_t \geq 3$	0.0 (0%)	0.1 (0%)	0.5 (0%)
$m_{T2}, E_T^{\text{miss}}$ regions	Events (efficiency)		
$200 \leq m_{T2} < 300$ GeV, $250 \leq E_T^{\text{miss}} < 400$ GeV	1.3 (4%)	11.1 (12%)	91.9 (54%)
$200 \leq m_{T2} < 300$ GeV, $400 \leq E_T^{\text{miss}} < 500$ GeV	0.5 (1%)	3.8 (4%)	17.6 (10%)
$200 \leq m_{T2} < 300$ GeV, $500 \leq E_T^{\text{miss}} < 600$ GeV	0.3 (0%)	1.4 (1%)	5.7 (3%)
$200 \leq m_{T2} < 300$ GeV, $600 \leq E_T^{\text{miss}} < 750$ GeV	0.2 (0%)	0.8 (0%)	3.6 (2%)
$200 \leq m_{T2} < 300$ GeV, $E_T^{\text{miss}} \geq 750$ GeV	0.1 (0%)	0.2 (0%)	0.8 (0%)
$300 \leq m_{T2} < 400$ GeV, $250 \leq E_T^{\text{miss}} < 400$ GeV	2.1 (7%)	17.7 (19%)	25.4 (15%)
$300 \leq m_{T2} < 400$ GeV, $400 \leq E_T^{\text{miss}} < 500$ GeV	0.9 (3%)	5.8 (6%)	7.0 (4%)
$300 \leq m_{T2} < 400$ GeV, $500 \leq E_T^{\text{miss}} < 600$ GeV	0.5 (1%)	2.1 (2%)	3.9 (2%)
$300 \leq m_{T2} < 400$ GeV, $600 \leq E_T^{\text{miss}} < 750$ GeV	0.5 (1%)	1.6 (1%)	1.6 (0%)
$300 \leq m_{T2} < 400$ GeV, $E_T^{\text{miss}} \geq 750$ GeV	0.3 (1%)	0.4 (0%)	0.8 (0%)
$400 \leq m_{T2} < 550$ GeV, $250 \leq E_T^{\text{miss}} < 400$ GeV	0.8 (3%)	6.5 (7%)	3.4 (2%)
$400 \leq m_{T2} < 550$ GeV, $400 \leq E_T^{\text{miss}} < 500$ GeV	2.0 (7%)	13.8 (15%)	2.9 (1%)
$400 \leq m_{T2} < 550$ GeV, $500 \leq E_T^{\text{miss}} < 600$ GeV	1.6 (5%)	8.7 (9%)	0.8 (0%)
$400 \leq m_{T2} < 550$ GeV, $600 \leq E_T^{\text{miss}} < 750$ GeV	1.0 (3%)	3.2 (3%)	1.2 (0%)
$400 \leq m_{T2} < 550$ GeV, $E_T^{\text{miss}} \geq 750$ GeV	0.6 (2%)	0.9 (1%)	0.5 (0%)
$m_{T2} \geq 550$ GeV, $250 \leq E_T^{\text{miss}} < 400$ GeV	0.0 (0%)	0.0 (0%)	0.1 (0%)
$m_{T2} \geq 550$ GeV, $400 \leq E_T^{\text{miss}} < 500$ GeV	0.3 (0%)	0.4 (0%)	0.4 (0%)
$m_{T2} \geq 550$ GeV, $500 \leq E_T^{\text{miss}} < 600$ GeV	1.5 (5%)	4.6 (5%)	0.7 (0%)
$m_{T2} \geq 550$ GeV, $600 \leq E_T^{\text{miss}} < 750$ GeV	4.3 (15%)	4.8 (5%)	0.6 (0%)
$m_{T2} \geq 550$ GeV, $E_T^{\text{miss}} \geq 750$ GeV	8.7 (31%)	2.0 (2%)	0.1 (0%)