

M_{CT} event selection	$\tilde{b}\tilde{b} \rightarrow b\bar{b}\tilde{\chi}_1^0\tilde{\chi}_1^0$		$\tilde{t}\tilde{t} \rightarrow t\tilde{\chi}_1^0\bar{b}\tilde{\chi}_1^\pm \rightarrow t\bar{b}W^\pm\tilde{\chi}_1^0\tilde{\chi}_1^0$			
	$\mathcal{B}(\tilde{b} \rightarrow b\tilde{\chi}_1^0) = 1.0$		$\mathcal{B}(\tilde{t} \rightarrow t\tilde{\chi}_1^0) = 0.0$		$\mathcal{B}(\tilde{t} \rightarrow t\tilde{\chi}_1^0) = 0.5$	
	(275,250) GeV	(700,100) GeV	(250,125) GeV	(500,125) GeV	(250,125) GeV	(500,125) GeV
Event cleaning	91.50 \pm 0.11	92.92 \pm 0.13	91.63 \pm 0.08	93.54 \pm 0.18	91.63 \pm 0.06	92.87 \pm 0.07
$N_{\text{jets}}(p_T > 70 \text{ GeV}) = 2$	2.01 \pm 0.30	37.62 \pm 0.38	3.22 \pm 0.17	31.71 \pm 0.29	15.86 \pm 0.11	23.73 \pm 0.17
e, μ veto	1.97 \pm 0.28	36.01 \pm 0.36	3.19 \pm 0.17	31.60 \pm 0.29	13.62 \pm 0.12	19.09 \pm 0.15
IsoTrk Veto	1.87 \pm 0.26	33.64 \pm 0.34	2.92 \pm 0.15	30.63 \pm 0.28	12.08 \pm 0.12	16.62 \pm 0.14
3 rd Jet Veto	1.24 \pm 0.21	23.1 \pm 0.22	2.34 \pm 0.13	21.24 \pm 0.33	6.57 \pm 0.08	7.32 \pm 0.09
$H_T > 250 \text{ GeV}$	0.56 \pm 0.14	22.13 \pm 0.20	1.13 \pm 0.10	20.91 \pm 0.32	2.76 \pm 0.04	6.41 \pm 0.08
$p_T^{\text{miss}} > 175 \text{ GeV}$	0.13 \pm 0.10	16.41 \pm 0.18	0.92 \pm 0.09	17.83 \pm 0.26	0.55 \pm 0.03	4.81 \pm 0.07
$M_T > 200 \text{ GeV}$	0.074 \pm 0.009	14.4 \pm 0.15	0.86 \pm 0.08	16.24 \pm 0.25	0.25 \pm 0.03	3.9 \pm 0.05
$\Delta\phi(b_1, b_2) < 2.5$	0.071 \pm 0.009	13.0 \pm 0.14	0.86 \pm 0.08	16.21 \pm 0.25	0.86 \pm 0.04	3.49 \pm 0.06
$N_{b \text{ jets}} = 1$	0.039 \pm 0.007	6.42 \pm 0.09	0.033 \pm 0.001	5.92 \pm 0.13	0.19 \pm 0.02	2.89 \pm 0.04
$N_{b \text{ jets}} = 2$	0.002 \pm 0.001	5.2 \pm 0.08	0.002 \pm 0.001	6.49 \pm 0.16	0.02 \pm 0.001	1.56 \pm 0.03
$N_{b \text{ jets}} = 1,$ $M_{CT} < 250 \text{ GeV}$	0.027 \pm 0.005	1.74 \pm 0.08	0.017 \pm 0.001	0.68 \pm 0.03	0.14 \pm 0.01	0.92 \pm 0.04
$N_{b \text{ jets}} = 1,$ $M_{CT} \in [250, 350] \text{ GeV}$	0.011 \pm 0.004	2.82 \pm 0.09	0.015 \pm 0.001	1.12 \pm 0.07	0.04 \pm 0.003	1.28 \pm 0.05
$N_{b \text{ jets}} = 1,$ $M_{CT} \in [250, 350] \text{ GeV}$	0.001 \pm 0.0006	1.73 \pm 0.08	0.001 \pm 0.0006	1.56 \pm 0.08	0.01 \pm 0.001	0.61 \pm 0.03
$N_{b \text{ jets}} = 1,$ $M_{CT} > 450 \text{ GeV}$	0.00 \pm 0.00	0.13 \pm 0.06	0.00 \pm 0.00	2.54 \pm 0.09	0.00 \pm 0.00	0.06 \pm 0.004
$N_{b \text{ jets}} = 2,$ $M_{CT} < 250 \text{ GeV}$	0.001 \pm 0.005	1.29 \pm 0.06	0.002 \pm 0.0006	0.44 \pm 0.02	0.02 \pm 0.001	0.50 \pm 0.03
$N_{b \text{ jets}} = 2,$ $M_{CT} \in [250, 350] \text{ GeV}$	0.001 \pm 0.005	1.98 \pm 0.09	0.001 \pm 0.0006	1.21 \pm 0.07	0.002 \pm 0.001	0.72 \pm 0.04
$N_{b \text{ jets}} = 2,$ $M_{CT} \in [250, 350] \text{ GeV}$	0.00 \pm 0.00	1.52 \pm 0.08	0.00 \pm 0.00	1.58 \pm 0.08	0.0 \pm 0.00	0.38 \pm 0.04
$N_{b \text{ jets}} = 2,$ $M_{CT} > 450 \text{ GeV}$	0.00 \pm 0.00	0.15 \pm 0.03	0.00 \pm 0.00	3.21 \pm 0.11	0.00 \pm 0.00	0.00 \pm 0.00