

$\mathcal{L} = 35.9 \text{ fb}^{-1}$	Other	Single t	QCD	V+jets	$t\bar{t}+X$	Total SM bkg.	TChiHH (225,1)	TChiHH (400,1)	TChiHH (700,1)
No selection	—	—	—	—	—	—	10477.0	1080.3	84.0
$0\ell, 4\text{--}5$ jets	—	—	—	—	—	—	4442.0	544.9	44.6
$N_{b,T} \geq 2$	—	—	—	—	—	—	2509.3	308.9	23.9
$p_T^{\text{miss}} > 150 \text{ GeV}$	122.3	1847.0	13201.4	2375.8	26797.7	$44344.2 \pm 778.5$	509.5	204.2	20.4
Track veto	91.4	1130.1	12251.8	1987.0	16910.1	$32370.5 \pm 770.5$	476.9	196.3	19.9
$\Delta\phi_{1,2} > 0.5, \Delta\phi_{3,4} > 0.3$	62.3	688.4	1649.0	1466.6	12027.0	$15893.4 \pm 482.6$	267.2	162.3	17.5
$ \Delta m  < 40 \text{ GeV}$	35.9	366.0	831.9	745.5	7682.3	$9661.6 \pm 440.8$	191.8	119.4	12.2
$\Delta R_{\text{max}} < 2.2$	14.2	138.2	147.0	336.9	3014.2	$3650.5 \pm 90.2$	98.3	79.6	10.1
$100 < \langle m \rangle \leq 140 \text{ GeV}$	3.8	42.3	14.0	75.2	992.0	$1127.3 \pm 10.1$	72.9	61.0	8.3
3b + 4b	0.1	3.4	3.2	7.1	109.0	$122.9 \pm 3.9$	54.9	46.5	6.3
4b	0.1	0.7	3.2	1.5	27.3	$32.8 \pm 3.4$	38.1	32.8	4.6
$p_T^{\text{miss}} > 200 \text{ GeV}$	0.1	0.3	3.2	1.1	9.4	$14.1 \pm 3.3$	16.2	27.4	4.3
$p_T^{\text{miss}} > 300 \text{ GeV}$	0.0	0.1	0.0	0.4	1.1	$1.7 \pm 0.2$	2.0	11.5	3.5
$p_T^{\text{miss}} > 450 \text{ GeV}$	0.0	0.0	0.0	0.1	0.1	$0.1 \pm 0.1$	0.0	1.1	2.0