

Cut	TChiNg_500		TChiWg_650		GGM_640_630	
	$N_{\text{signal}}$	$\varepsilon$	$N_{\text{signal}}$	$\varepsilon$	$N_{\text{signal}}$	$\varepsilon$
generated	51.0	1.0	21.2	1.0	29.9	1.0
$\cancel{E}_T$ filters	50.98	1.0	21.16	1.0	29.86	1.0
$\cancel{E}_T > 100$ GeV	46.1	0.90	19.9	0.94	27.6	0.93
$\geq 1\gamma_{\text{tight}}$ ( $p_T > 40$ GeV)	28.5	0.56	12.9	0.61	17.7	0.59
$r_9(\gamma_{\text{tight}}) > 0.9,  \eta(\gamma_{\text{tight}})  < 1.44$	26.7	0.52	12.3	0.58	17.0	0.57
$\Delta R(1^{\text{st}}\gamma, \text{nearest jet}) > 0.5$	26.1	0.51	12.1	0.57	16.6	0.56
$H_T > 100$ GeV	21.8	0.43	10.4	0.49	14.3	0.48
control + signal region	21.4	0.42	10.2	0.48	14.1	0.47
signal region	16.3	0.32	8.7	0.41	12.0	0.40