

Signal: Gtt ($m_{\tilde{g}} = 1700$ GeV, $m_{\tilde{\chi}_1^0} = 200$ GeV)				
Selection	Number of events		Ratio to last cut	
	Analysis	CheckMATE	Analysis	CheckMATE
Preselection				
No cut	15.1 ± 0.05	15.1 ± 0.06	–	–
Trigger	13.9 ± 0.05	–	0.921 ± 0.004	–
Cleaning cuts	13.7 ± 0.05	–	0.907 ± 0.004	–
≥ 4 jets	13.7 ± 0.05	15.09 ± 0.06	0.907 ± 0.004	0.999 ± 0.006
≥ 3 b-jets	10.3 ± 0.04	11.36 ± 0.06	0.752 ± 0.004	0.753 ± 0.005
$E_T^{miss} > 200$ GeV	9.59 ± 0.04	10.25 ± 0.05	0.931 ± 0.005	0.902 ± 0.006
Gtt 0L preselection				
Signal lepton veto	5.31 ± 0.03	5.67 ± 0.04	0.554 ± 0.004	0.553 ± 0.005
$\Delta\phi^{min}_{cut}$	3.97 ± 0.02	4.31 ± 0.03	0.748 ± 0.006	0.761 ± 0.008
$N_j \geq 8$	3.32 ± 0.02	3.71 ± 0.03	0.836 ± 0.008	0.86 ± 0.01
$m_{T,min}^{b-jets} > 80$ GeV	2.99 ± 0.02	3.29 ± 0.03	0.901 ± 0.009	0.887 ± 0.011
Gtt-0L-A				
$m_{eff}^{incl} > 1.7$ TeV	2.8 ± 0.02	3.09 ± 0.03	0.936 ± 0.01	0.939 ± 0.012
$E_T^{miss} > 400$ GeV	2.33 ± 0.02	2.52 ± 0.03	0.832 ± 0.009	0.816 ± 0.012
≥ 3 b-jets	2.33 ± 0.02	2.52 ± 0.03	1.0 ± 0.011	1.0 ± 0.015
≥ 1 top-tagged jet	2.29 ± 0.02	2.51 ± 0.03	0.983 ± 0.011	0.996 ± 0.015
Gtt-0L-B				
$m_{eff}^{incl} > 1.25$ TeV	2.98 ± 0.02	3.27 ± 0.03	0.997 ± 0.01	0.995 ± 0.013
$E_T^{miss} > 350$ GeV	2.59 ± 0.02	2.81 ± 0.03	0.869 ± 0.009	0.859 ± 0.012
≥ 4 b-jets	1.68 ± 0.02	1.89 ± 0.02	0.649 ± 0.008	0.673 ± 0.011
≥ 1 top-tagged jet	1.65 ± 0.02	1.88 ± 0.02	0.982 ± 0.013	0.991 ± 0.017
Gtt-0L-C				
$m_{eff}^{incl} > 1.25$ TeV	2.98 ± 0.02	3.27 ± 0.03	0.997 ± 0.01	0.995 ± 0.013
$E_T^{miss} > 350$ GeV	2.58 ± 0.02	2.81 ± 0.03	0.866 ± 0.009	0.859 ± 0.012
≥ 4 b-jets	1.68 ± 0.02	1.89 ± 0.02	0.651 ± 0.008	0.673 ± 0.011
Gtt 1L preselection				
Signal lepton selection	4.28 ± 0.03	4.58 ± 0.04	0.446 ± 0.003	0.447 ± 0.004
$N_j \geq 8$	4 ± 0.03	4.44 ± 0.03	0.935 ± 0.008	0.969 ± 0.011
$m_{T,min}^{b-jets} > 80$ GeV	2.58 ± 0.02	2.79 ± 0.03	0.645 ± 0.006	0.629 ± 0.008
$m_T > 150$ GeV	2.15 ± 0.02	2.34 ± 0.03	0.833 ± 0.009	0.84 ± 0.012
Gtt-1L-A				
$m_{eff}^{incl} > 1.1$ TeV	2.15 ± 0.02	2.34 ± 0.03	1.0 ± 0.011	0.999 ± 0.015
$E_T^{miss} > 200$ GeV	2.15 ± 0.02	2.34 ± 0.03	1.0 ± 0.011	1.0 ± 0.015
≥ 1 top-tagged jet	2.04 ± 0.02	2.27 ± 0.02	0.949 ± 0.011	0.969 ± 0.015
Gtt-1L-B				
$m_{eff}^{incl} > 900$ GeV	2.15 ± 0.02	2.34 ± 0.03	1.0 ± 0.011	1.0 ± 0.015
$E_T^{miss} > 300$ GeV	2.01 ± 0.02	2.17 ± 0.02	0.935 ± 0.011	0.928 ± 0.014