

Signal: Gbb ($m_{\tilde{g}} = 1700$ 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 ± 0.17	15.1 ± 0.06	–	–
Trigger	14.5 ± 0.17	–	0.96 ± 0.016	–
Cleaning cuts	14.3 ± 0.17	–	0.947 ± 0.015	–
≥ 4 jets	13.9 ± 0.16	14.82 ± 0.06	0.921 ± 0.015	0.982 ± 0.006
≥ 3 b-jets	8.89 ± 0.13	8.95 ± 0.05	0.64 ± 0.012	0.604 ± 0.004
$E_T^{miss} > 200$ GeV	8.4 ± 0.13	8.22 ± 0.05	0.945 ± 0.02	0.918 ± 0.007
Gbb preselection				
Baseline lepton veto	8.31 ± 0.13	8.22 ± 0.05	0.989 ± 0.021	0.999 ± 0.008
$\Delta\phi_{min}^{4j}$ cut	5.97 ± 0.11	6.1 ± 0.04	0.718 ± 0.017	0.742 ± 0.007
Gbb-A				
$m_{eff}^{4j} > 1.6$ TeV	5.52 ± 0.1	5.65 ± 0.04	0.925 ± 0.024	0.927 ± 0.009
$E_T^{miss} > 350$ GeV	4.99 ± 0.1	5.02 ± 0.04	0.904 ± 0.024	0.888 ± 0.009
≥ 4 jets with $p_T > 90$ GeV	4.44 ± 0.09	4.55 ± 0.04	0.89 ± 0.025	0.906 ± 0.01
≥ 3 b-jets with $p_T > 90$ GeV	3.85 ± 0.09	3.63 ± 0.03	0.867 ± 0.026	0.798 ± 0.009
Gbb-B				
$m_{eff}^{4j} > 1.4$ TeV	5.81 ± 0.1	5.92 ± 0.04	0.973 ± 0.025	0.97 ± 0.009
$E_T^{miss} > 450$ GeV	4.56 ± 0.09	4.5 ± 0.04	0.785 ± 0.021	0.76 ± 0.008
≥ 4 jets with $p_T > 90$ GeV	4.03 ± 0.09	4.05 ± 0.03	0.884 ± 0.026	0.9 ± 0.01
≥ 3 b-jets with $p_T > 90$ GeV	3.49 ± 0.08	3.22 ± 0.03	0.866 ± 0.027	0.796 ± 0.01
Gbb-C				
$m_{eff}^{4j} > 1.4$ TeV	5.81 ± 0.1	5.92 ± 0.04	0.973 ± 0.025	0.97 ± 0.009
$E_T^{miss} > 500$ GeV	4.24 ± 0.09	4.12 ± 0.03	0.73 ± 0.02	0.696 ± 0.007