

$\tilde{g} \tilde{g}$ production, $\tilde{g} \rightarrow t\bar{t}\tilde{\chi}_1^0$, $m(\tilde{t}_1) \gg m(\tilde{g})$

$m_{\tilde{\chi}_1^0}$ [GeV]

ATLAS Internal

$\sqrt{s}=13$ TeV , 36.1 fb $^{-1}$

Observed limit ($\pm 1 \sigma_{\text{theory}}^{\text{SUSY}}$)

Expected limit ($\pm 1 \sigma_{\text{exp}}$)

SS/3L obs. limit 2015
[arXiv:1602.09058]

All limits at 95% CL

$m_{\tilde{g}} < 2 m_W + m_{\tilde{\chi}_1^0}$

$m_{\tilde{g}} < 2 m_t + m_{\tilde{\chi}_1^0}$

200

400

600

800

1000

1200

1400

1600

1800

800

1000

1200

1400

1600

1800

$m_{\tilde{g}}$ [GeV]

