

$\tilde{g} \tilde{g}$ production, $\tilde{g} \rightarrow qq(l\bar{l}/\nu\bar{\nu})\tilde{\chi}_1^0$; $m(\tilde{\chi}_2^0) = (m(\tilde{g}) + m(\tilde{\chi}_1^0))/2$, $m(\tilde{l}, \tilde{\nu}) = (m(\tilde{\chi}_2^0) + m(\tilde{\chi}_1^0))/2$

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

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

