

$\tilde{g} \tilde{g}$ production, $\tilde{g} \rightarrow q q \tilde{\chi}_1^0$, $\tilde{\chi}_1^0 \rightarrow l q q$

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

ATLAS Internal

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

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

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

All limits at 95% CL

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

1000

1200

1400

1600

1800

2000

2200

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

