

$\tilde{g} \tilde{g}$ two step decay simplified model

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

ATLAS Internal

$\int L dt = 2.5 \text{ fb}^{-1}$, $\sqrt{s} = 13 \text{ TeV}$

2 same-charge leptons/3 leptons + jets

Observed limit

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

Combination

Run 1 limit

All limits at 95% CL

800

600

400

200

0

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

600 700 800 900 1000 1100 1200 1300 1400 1500 1600

