

CMS*Preliminary*138 fb⁻¹ (13 TeV)

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

pp → $\tilde{g} \tilde{g}$, $\tilde{g} \rightarrow t \bar{t} \tilde{\chi}_1^0$ NLO+NLL exclusion

— Observed $\pm 1 \sigma_{\text{theory}}$

- - - Expected $\pm 1 \sigma_{\text{experiment}}$

2000

1800

1600

1400

1200

1000

800

600

400

200

0

600

800

1000

1200

1400

1600

1800

2000

2200

2400

2600

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

1

10⁻¹10⁻²10⁻³10⁻⁴

95% CL upper limit on cross section [pb]