

CMS**19.5 fb⁻¹ (8 TeV)** **$m_{\tilde{\chi}_1^0}$ [GeV]**

800

600

400

200

0

 $pp \rightarrow \tilde{g} \tilde{g}, \tilde{g} \rightarrow t \bar{t} \tilde{\chi}_1^0$ NLO+NLL exclusion≡ Observed $\pm 1\sigma_{\text{theory}}$ - - - Expected $\pm 1\sigma_{\text{experiment}}$ **$m_{\tilde{g}}$ [GeV]**

800

1000

10²

10

1

95% CL upper limit on cross section (fb)