

CMS $2.3 \text{ fb}^{-1} (13 \text{ TeV})$ $m_{\tilde{\chi}_1^0} [\text{GeV}]$ $pp \rightarrow \tilde{t}_1 \tilde{t}_1, \tilde{t}_1 \rightarrow b f f' \tilde{\chi}_1^0$ NLO+NLL exclusion \equiv Observed $\pm 1 \sigma_{\text{theory}}$ \cdots Expected $\pm 1 \sigma_{\text{experiment}}$

700

600

500

400

300

200

100

0

100 150 200 250 300 350 400 450 500 550 600

 $m_{\tilde{t}} [\text{GeV}]$ $m_{\tilde{t}} = m_W + m_{\tilde{\chi}_1^0}$ 10^2

10

1

95% CL upper limit on cross section [pb]