

CMS $2.3 \text{ fb}^{-1} (13 \text{ TeV})$ $m_{\tilde{\chi}_1^0} [\text{GeV}]$ $pp \rightarrow \tilde{t}_1 \tilde{t}_1, \tilde{t}_1 \rightarrow b \tilde{\chi}_1^\pm$ NLO+NLL exclusion \equiv Observed $\pm 1 \sigma_{\text{theory}}$ \cdots Expected $\pm 1 \sigma_{\text{experiment}}$

600

500

400

300

200

100

0

200

300

400

500

600

700

800

900

 $m_{\tilde{t}} [\text{GeV}]$ 10^2

10

1

 10^{-1} 10^{-2}

95% CL upper limit on cross section [pb]