

CMS $2.3 \text{ fb}^{-1} (13 \text{ TeV})$ $m_{\tilde{\chi}_1^0} [\text{GeV}]$ 800
700
600
500
400
300
200 $pp \rightarrow \tilde{t}_1 \tilde{t}_1, \tilde{t}_1 \rightarrow c \tilde{\chi}_1^0$ NLO+NLL exclusion \equiv Observed $\pm 1 \sigma_{\text{theory}}$ \cdots Expected ± 1 and $2 \sigma_{\text{experiment}}$ $m_{\tilde{t}} = m_W + m_{\tilde{\chi}_1^0}$ 10^2

10

1

95% CL upper limit on cross section [pb]

 $m_{\tilde{t}} [\text{GeV}]$

250 300 350 400 450 500 550 600