

**CMS** $137 \text{ fb}^{-1} (13 \text{ TeV})$  $m_{\tilde{\chi}_1^0} [\text{GeV}]$  $pp \rightarrow \tilde{t} \tilde{t}^*, \tilde{t} \rightarrow t \tilde{\chi}_1^0$  Approx. NNLO+NNLL exclusion $\equiv$  Observed  $\pm 1 \text{ s.d.}_{\text{theory}}$  $\cdots$  Expected  $\pm 1, 2 \text{ s.d.}_{\text{experiment}}$ 

10

1

 $10^{-1}$  $10^{-2}$  $10^{-3}$  $10^{-4}$ 

95% CL upper limit on cross section [pb]

 $m_{\tilde{t}} = m_t + m_{\tilde{\chi}_1^0}$ 

200

400

600

800

1000

1200

1400

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