

CMS

35.9 fb⁻¹ (13 TeV) $m_{\tilde{\chi}_1^0}$ (GeV)800
600
400
200
0

$pp \rightarrow \tilde{t}_1 \bar{\tilde{t}}_1, \tilde{t}_1 \rightarrow b \tilde{\chi}_1^+, \tilde{\chi}_1^+ \rightarrow W^+ \tilde{\chi}_1^0$ NLO+NLL exclusion

— Observed $\pm 1\sigma_{\text{theory}}$

— Expected $\pm 1\sigma_{\text{experiment}}$

$m_{\tilde{\chi}_1^\pm} = (m_{\tilde{t}_1} + m_{\tilde{\chi}_1^0})/2$

10²
10
1
10⁻¹
10⁻²
10⁻³ $m_{\tilde{t}_1}$ (GeV)

95% CL upper limit on cross section (pb)

