

CMS Preliminary

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

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

— Observed ± 1 s.d._{theory}

— Expected ± 1 s.d._{exp.}

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

10²
10
1
10⁻¹
10⁻²
10⁻³

95% CL upper limit on cross section [pb]

 $m_{\tilde{t}_1}$ [GeV]