

CMS18.5 fb⁻¹ (8 TeV) m_{LSP} (GeV) $pp \rightarrow \tilde{t}\tilde{t}, \tilde{t} \rightarrow t \tilde{\chi}_1^0$ NLO+NLL exclusion \equiv Observed $\pm 1 \sigma_{\text{theory}}$ \cdots Expected $\pm 1 \sigma_{\text{experiment}}$ \cdots Expected $\pm 2 \sigma_{\text{experiment}}$

450

400

350

300

250

200

150

100

50

0

200

300

400

500

600

700

 $m_{\tilde{t}}$ (GeV)10²

10

1

10¹10⁻²

95% C.L. upper limit on cross section (pb)

