

**CMS** $2.3 \text{ fb}^{-1} (13 \text{ TeV})$  $m_{\tilde{\chi}_1^0} [\text{GeV}]$ 500  
450  
400  
350  
300  
250  
200  
150  
100  
50  
0 $pp \rightarrow \tilde{t}_1 \tilde{t}_1, \tilde{t}_1 \rightarrow t \tilde{\chi}_1^0$  NLO+NLL exclusion $\equiv$  Observed  $\pm 1 \sigma_{\text{theory}}$  $\cdots$  Expected  $\pm 1 \sigma_{\text{experiment}}$  $m_t = m_{\tilde{t}} + m_{\tilde{\chi}_1^0}$  $m_{\tilde{t}} [\text{GeV}]$ 10<sup>2</sup>  
10  
1  
10<sup>-1</sup>  
10<sup>-2</sup>

95% CL upper limit on cross section [pb]

