

**CMS** *Preliminary*12.9 fb<sup>-1</sup> (13 TeV) $m_{\tilde{\chi}_1^0}$  [GeV]700  
600  
500  
400  
300  
200  
100  
0 $pp \rightarrow \tilde{t}_1 \tilde{t}_1, \tilde{t}_1 \rightarrow t \tilde{\chi}_1^0$  NLO+NLL exclusion≡ Observed  $\pm 1 \sigma_{\text{theory}}$ ⋯ Expected  $\pm 1$  and  $2 \sigma_{\text{experiment}}$  $m_t = m_{\tilde{t}} + m_{\tilde{\chi}_1^0}$  $m_{\tilde{t}}$  [GeV]10<sup>2</sup>  
10  
1  
10<sup>-1</sup>  
10<sup>-2</sup>  
10<sup>-3</sup>

95% CL upper limit on cross section [pb]

