

CMS**35.9 fb⁻¹ (13 TeV)** **$m_{\tilde{\chi}_1^0}$ [GeV]**

$$pp \rightarrow \tilde{\chi}_1^\pm \tilde{\chi}_2^0 \rightarrow \tilde{\tau} \nu \tilde{\tau} \tau$$

$$B(\tilde{\chi}_2^0 \rightarrow \tau \tilde{\tau})=1, m_{\tilde{\tau}} = 0.5m_{\tilde{\chi}_1^\pm} + 0.5m_{\tilde{\chi}_1^0}$$

≡≡≡ Observed ± 1 s.d._{theory} NLO+NLL excl.**---** Expected ± 1 s.d._{exp.}

- - - Expected leptonic

- · - · - Expected all-hadronic

500

400

300

200

100

0

100 200 300 400 500 600 700 800

 $m_{\tilde{\chi}_1^\pm} = m_{\tilde{\chi}_2^0}$ [GeV]

1

10⁻¹10⁻²10⁻³**95% CL upper limit on cross section [pb]**