

CMS

18.1-19.6 fb⁻¹ $\sqrt{s} = 8$ TeV $m_{\tilde{\chi}_1^0}$ (GeV) $e\tau_h, \mu\tau_h$ and $\tau_h\tau_h$ Combined $pp \rightarrow \tilde{\chi}^+ \tilde{\chi}^-$

NLO+NLL exclusion

 $\tilde{\chi}^\pm \rightarrow \tilde{\tau}^\pm \nu_\tau, \tilde{\nu}_\tau \tau^\pm$ — Observed $\pm 1 \sigma_{\text{theory}}$ $\tilde{\tau}^\pm \rightarrow \tau^\pm \tilde{\chi}_1^0, \tilde{\nu} \rightarrow \nu \tilde{\chi}_1^0$ - - - Expected $\pm 1 \sigma_{\text{experiment}}$ 