$TChiChipmSlepStau: pp \rightarrow \widetilde{\chi}_{2}^{0} \; \widetilde{\chi}_{1}^{\pm}, \; \widetilde{\chi}_{2}^{0} \; \widetilde{\chi}_{1}^{\pm} \; \rightarrow l \; \widetilde{l} \; \nu \; \widetilde{\tau}, \; \widetilde{l} \rightarrow l \; \widetilde{\chi}_{1}^{0}, \; \widetilde{\tau} \rightarrow \tau \; \widetilde{\chi}_{1}^{0}$ $m_{\widetilde{\chi}^0}, m_{\widetilde{\chi}^{\pm}} = x, m_{\widetilde{\tau}}, m_{\widetilde{I}} = 0.05 * x + 0.95 * y, m_{\widetilde{\pi}^0} = y$ exclusion (SModelS) ±20% (SModelS) 350 2.5 exclusion (official) 300 ±1σ (official) k-factor = 1.25250 > 200 1.5 150 100 0.5 50 200 300 400 500 600 700 \mathcal{X}

CMS-SUS-13-006 (upperLimit)

https://twiki.cern.ch/twiki/pub/CMSPublic/PhysicsResultsSUS13006/Fig14_exclusion_TChiSlepSnu_2a_0_05.pdf

official plot: