$m_{\tilde{\chi}_{2}^{0}}, m_{\tilde{\chi}_{2}^{\pm}} = x, m_{\tilde{v}}, m_{\tilde{l}} = 0.95 * x + 0.05 * y, m_{\tilde{z}^{0}} = y$ 800 exclusion (SModelS) 700 ±20% (SModelS) 2.5 600 k-factor = 1.25 500 1.5 > 400 300 200 0.5 100 300 500 800 200 400 600 700 900 \mathcal{X} official plot: https://twiki.cern.ch/twiki/pub/CMSPublic/PhysicsResultsSUS12022/exclusion_TChiSlepSnu_2i_0_95.pdf

CMS-PAS-SUS-12-022 (upperLimit)

 $\textit{TChiChipmSlepL}: pp \to \widetilde{\chi}^{0}_{,} \ \widetilde{\chi}^{\pm}_{,}, \ \widetilde{\chi}^{0}_{,} \ \widetilde{\chi}^{\pm}_{,} \ \to l \ \widetilde{l} \ (\ v \ \widetilde{v}\) \ l \ \widetilde{v} \ (\ v \ \widetilde{l}\), \ \widetilde{l} \to l \ \widetilde{\chi}^{0}_{,}, \ \widetilde{v} \to v \ \widetilde{\chi}^{0}_{,}$