$TChiChipmSlepL: pp \rightarrow \widetilde{\chi}_{2}^{0} \ \widetilde{\chi}_{1}^{\pm}, \ \widetilde{\chi}_{2}^{0} \ \widetilde{\chi}_{1}^{\pm} \ \rightarrow l \ \widetilde{l} \ (\ \nu \ \widetilde{\nu}\) \ l \ \widetilde{\nu} \ (\ \nu \ \widetilde{l}\), \ \widetilde{l} \rightarrow l \ \widetilde{\chi}_{1}^{0}, \ \widetilde{\nu} \rightarrow \nu \ \widetilde{\chi}_{1}^{0}$ $m_{\tilde{\chi}^0}, m_{\tilde{\chi}^{\pm}} = x, m_{\tilde{\chi}}, m_{\tilde{l}} = 0.5 * x + 0.5 * y, m_{\tilde{\chi}^0} = y$ exclusion (SModelS) 450 ±20% (SModelS) 2.5 exclusion (official) 400 $\pm 1\sigma$ (official) 350 k-factor = 1.25 $\sigma_{
m signal}/\sigma_{
m U}$ 300 > 250 1.5 200 150 100 0.5 50 200 300 700 400 500 600 \mathcal{X}

CMS-SUS-13-006 (upperLimit)

https://twiki.cern.ch/twiki/pub/CMSPublic/PhysicsResultsSUS13006/Fig13_exclusion_TChiSlepSnu_2i_0_5.png

official plot: