$TChiChipmSlepL: pp \rightarrow \widetilde{\chi}_{_{2}}^{_{0}} \ \widetilde{\chi}_{_{1}}^{_{\pm}}, \ \widetilde{\chi}_{_{2}}^{_{0}} \ \widetilde{\chi}_{_{1}}^{_{\pm}} \ \rightarrow l \ \widetilde{l} \ (\ \nu \ \widetilde{\nu}\ ) \ l \ \widetilde{\nu} \ (\ \nu \ \widetilde{l}\ ), \ \widetilde{l} \ \rightarrow l \ \widetilde{\chi}_{_{1}}^{_{0}}, \ \widetilde{\nu} \ \rightarrow \nu \ \widetilde{\chi}_{_{1}}^{_{0}}$  $m_{\tilde{\chi}_{2}^{0}}, m_{\tilde{\chi}_{2}^{\pm}} = x, m_{\tilde{v}}, m_{\tilde{l}} = 0.95 * x + 0.05 * y, m_{\tilde{z}^{0}} = y$ 450 exclusion (SModelS) 400 2.5 ±20% (SModelS) 350 k-factor = 1.25 300  $oldsymbol{\sigma}_{ ext{signal}}/oldsymbol{\circ}_{ ext{U}}$ 250 1.5 200 150 100 0.5 50 300 400 700 500 600  $\mathcal{X}$ 

CMS-SUS-13-006 (upperLimit)

https://twiki.cern.ch/twiki/pub/CMSPublic/PhysicsResultsSUS13006/Fig13\_exclusion\_TChiSlepSnu\_2i\_0\_95.png

official plot: