## $TChiChipmSlepL: pp \rightarrow \widetilde{\chi}_{2}^{0} \ \widetilde{\chi}_{1}^{\pm}, \ \widetilde{\chi}_{2}^{0} \ \widetilde{\chi}_{1}^{\pm} \ \rightarrow l \ \widetilde{l} \ (\ \nu \ \widetilde{\nu}\ ) \ l \ \widetilde{\nu} \ (\ \nu \ \widetilde{l}\ ), \ \widetilde{l} \rightarrow l \ \widetilde{\chi}_{1}^{0}, \ \widetilde{\nu} \rightarrow \nu \ \widetilde{\chi}_{1}^{0}, \ \widetilde{\nu} \rightarrow \nu \ \widetilde{\chi}_{2}^{0}, \ \widetilde{\nu} \rightarrow \nu \ \widetilde{$ $m_{\tilde{\chi}^0}, m_{\tilde{\chi}^{\pm}} = x, m_{\tilde{v}}, m_{\tilde{l}} = 0.5 * x + 0.5 * y, m_{\tilde{\chi}^0} = y$ exclusion (SModelS) 800 ±20% (SModelS) 2.5 700 600 k-factor = 1.25 500 1.5 400 300 200 0.5 100 200 300 400 500 700 900 600 800 $\chi$

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

https://twiki.cern.ch/twiki/pub/CMSPublic/PhysicsResultsSUS12022/exclusion\_TChiSlepSnu\_2i\_0\_5.pdf

official plot: