exclusion (SModelS) 400 2.5 350 ±20% (SModelS) 300 k-factor = 1.25 $oldsymbol{\sigma}_{ ext{signal}}\!\!\!/\,\! \mathbf{o}_{ ext{U}}$ 250 1.5 200 150 100 0.5 50 200 300 400 500 700 600  $\mathcal{X}$ official plot:

CMS-SUS-13-006 (upperLimit)

3

 $TChiChipmSlepL: pp \rightarrow \widetilde{\chi}_{_{1}}^{_{0}} \ \widetilde{\chi}_{_{1}}^{_{\pm}}, \ \widetilde{\chi}_{_{2}}^{_{0}} \ \widetilde{\chi}_{_{1}}^{_{\pm}} \ \rightarrow l \ \widetilde{l} \ (\ v \ \widetilde{v} \ ) \ l \ \widetilde{v} \ (\ v \ \widetilde{l} \ ), \ \widetilde{l} \ \rightarrow l \ \widetilde{\chi}_{_{_{1}}}^{_{0}}, \ \widetilde{v} \ \rightarrow v \ \widetilde{\chi}_{_{1}}^{_{0}}$ 

 $m_{\tilde{\chi}^0}, m_{\tilde{\chi}^{\pm}} = x, m_{\tilde{\chi}}, m_{\tilde{l}} = 0.05 * x + 0.95 * y, m_{\tilde{\chi}^0} = y$ 

https://twiki.cern.ch/twiki/pub/CMSPublic/PhysicsResultsSUS13006/Fig13\_exclusion\_TChiSlepSnu\_2i\_0\_05.png