$TChiChipmSlepL: pp \ \rightarrow \ \widetilde{\chi}^{\scriptscriptstyle 0}_{\scriptscriptstyle 2} \ \widetilde{\chi}^{\scriptscriptstyle +}m_{_{\scriptscriptstyle I}} \ \widetilde{\chi}^{\scriptscriptstyle 0}_{\scriptscriptstyle 2} \ \widetilde{\chi}^{\scriptscriptstyle +}m_{_{\scriptscriptstyle I}} \ \rightarrow l \ \widetilde{l} \ (\ \nu\ \widetilde{\nu}\ ) \ l\ \widetilde{\nu} \ (\ \nu\ \widetilde{l}\ ), \ \widetilde{l} \ \rightarrow l\ \widetilde{\chi}^{\scriptscriptstyle 0}_{\scriptscriptstyle I}, \ \widetilde{\nu} \ \rightarrow \nu\ \widetilde{\chi}^{\scriptscriptstyle 0}_{\scriptscriptstyle I}, \ \widetilde{\nu}^{\scriptscriptstyle 0}_{\scriptscriptstyle I$  $Eq(m_{\widetilde{\chi}^{0}}, m_{\widetilde{\chi}^{+}_{m_{l}}}, x), Eq(m_{\widetilde{v}}, m_{\widetilde{l}}, 0.95*x + 0.05*y), Eq(m_{\widetilde{v}^{0}}, y)$ 500 ±20% (SModelS) 450 exclusion (SModelS) 2.5 exclusion (official) 400 350 k-factor = 1.25 $\sigma_{
m signal}/\sigma_{
m U}$ 300 1.5 250 200 150 0.5 100 50 700 800 900 300 400 500 600  $\mathcal{X}$ 

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

https://twiki.cern.ch/twiki/pub/CMSPublic/PhysicsResultsSUS12022/exclusion\_TChiSlepSnu\_2i\_0\_95.pdf

official plot: