$\textit{TChipChimSlepSnu}: pp \to \widetilde{\chi}_{_{\mathit{I}}}^{_{\mathit{L}}} \; \widetilde{\chi}_{_{\mathit{I}}}^{_{\mathit{L}}}, \; \widetilde{\chi}_{_{\mathit{I}}}^{_{\mathit{L}}} \to v \; \widetilde{l} \; (\; l \; \widetilde{v} \;), \; \widetilde{l} \to l \; \widetilde{\chi}_{_{\mathit{I}}}^{^{0}}, \; \widetilde{v} \to v \; \widetilde{\chi}_{_{\mathit{I}}}^{^{0}}$ $m_{\tilde{\gamma}^{\pm}} = x, m_{\tilde{y}}, m_{\tilde{i}} = 0.5 * x + 0.5 * y, m_{\tilde{z}^{0}} = y$ exclusion (SModelS) SModelS ±20% (SModelS) 250 2.5 exclusion (official) 200 k-factor = 1.25 $oldsymbol{\sigma}_{ ext{signal}}/oldsymbol{\sigma}_{ ext{Ul}}$ 150 1.5 100 0.5 50 200 250 300 350 400 \mathcal{X}

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

https://twiki.cern.ch/twiki/pub/CMSPublic/PhysicsResultsSUS12022/exclusion_TChipmSlepSnu.pdf

official plot: