$\textit{TChipChimSlepSnu}: pp \, \to \, \widetilde{\chi}^{\scriptscriptstyle +} m_{_{I}} \, \widetilde{\chi}^{\scriptscriptstyle +} m_{_{I}} \, \widetilde{\chi}^{\scriptscriptstyle +} m_{_{I}} \, \to \, \nu \, \, \widetilde{l} \, (\, l \, \, \widetilde{\nu} \, \,), \, \widetilde{l} \, \to \, l \, \, \widetilde{\chi}^{\scriptscriptstyle 0}, \, \widetilde{\nu} \, \to \, \nu \, \, \widetilde{\chi}^{\scriptscriptstyle 0}, \, \widetilde{\nu} \, \to \, \nu \, \, \widetilde{\chi}^{\scriptscriptstyle 0}, \, \widetilde{\nu} \, \to \, \nu \, \, \widetilde{\chi}^{\scriptscriptstyle 0}, \, \widetilde{\nu} \, \to \, \nu \, \, \widetilde{\chi}^{\scriptscriptstyle 0}, \, \widetilde{\nu} \, \to \, \nu \, \, \widetilde{\chi}^{\scriptscriptstyle 0}, \, \widetilde{\nu} \, \to \, \nu \, \, \widetilde{\chi}^{\scriptscriptstyle 0}, \, \widetilde{\nu} \, \to \, \nu \, \, \widetilde{\chi}^{\scriptscriptstyle 0}, \, \widetilde{\nu} \, \to \, \nu \, \, \widetilde{\chi}^{\scriptscriptstyle 0}, \, \widetilde{\nu} \, \to \, \nu \, \, \widetilde{\chi}^{\scriptscriptstyle 0}, \, \widetilde{\nu} \, \to \, \nu \, \, \widetilde{\chi}^{\scriptscriptstyle 0}, \, \widetilde{\nu} \, \to \, \nu \, \, \widetilde{\chi}^{\scriptscriptstyle 0}, \, \widetilde{\nu} \, \to \, \nu \, \, \widetilde{\chi}^{\scriptscriptstyle 0}, \, \widetilde{\nu} \, \to \, \nu \, \, \widetilde{\chi}^{\scriptscriptstyle 0}, \, \widetilde{\nu} \, \to \, \nu \, \, \widetilde{\chi}^{\scriptscriptstyle 0}, \, \widetilde{\nu} \, \to \, \nu \, \, \widetilde{\chi}^{\scriptscriptstyle 0}, \, \widetilde{\nu} \, \to \, \nu \, \, \widetilde{\chi}^{\scriptscriptstyle 0}, \, \widetilde{\nu} \, \to \, \nu \, \, \widetilde{\chi}^{\scriptscriptstyle 0}, \, \widetilde{\nu} \, \to \, \nu \, \, \widetilde{\chi}^{\scriptscriptstyle 0}, \, \widetilde{\nu} \, \to \, \nu \, \, \widetilde{\chi}^{\scriptscriptstyle 0}, \, \widetilde{\nu} \, \to \, \nu \, \, \widetilde{\chi}^{\scriptscriptstyle 0}, \, \widetilde{\nu} \, \to \, \nu \, \, \widetilde{\chi}^{\scriptscriptstyle 0}, \, \widetilde{\nu} \, \to \, \nu \, \, \widetilde{\chi}^{\scriptscriptstyle 0}, \, \widetilde{\nu} \, \to \, \nu \, \, \widetilde{\chi}^{\scriptscriptstyle 0}, \, \widetilde{\nu} \, \to \, \nu \, \, \widetilde{\chi}^{\scriptscriptstyle 0}, \, \widetilde{\nu} \, \to \, \nu \, \, \widetilde{\chi}^{\scriptscriptstyle 0}, \, \widetilde{\nu} \, \to \, \nu \, \, \widetilde{\chi}^{\scriptscriptstyle 0}, \, \widetilde{\nu} \, \to \, \nu \, \, \widetilde{\chi}^{\scriptscriptstyle 0}, \, \widetilde{\nu} \, \to \, \nu \, \, \widetilde{\chi}^{\scriptscriptstyle 0}, \, \widetilde{\nu} \, \to \, \nu \, \, \widetilde{\chi}^{\scriptscriptstyle 0}, \, \widetilde{\nu} \, \to \, \nu \, \, \widetilde{\chi}^{\scriptscriptstyle 0}, \, \widetilde{\nu} \, \to \, \nu \, \, \widetilde{\chi}^{\scriptscriptstyle 0}, \, \widetilde{\nu} \, \to \, \nu \, \, \widetilde{\chi}^{\scriptscriptstyle 0}, \, \widetilde{\nu} \, \to \, \nu \, \, \widetilde{\chi}^{\scriptscriptstyle 0}, \, \widetilde{\nu} \, \to \, \nu \, \, \widetilde{\chi}^{\scriptscriptstyle 0}, \, \widetilde{\nu} \, \to \, \nu \, \, \widetilde{\chi}^{\scriptscriptstyle 0}, \, \widetilde{\nu} \, \to \, \nu \, \, \widetilde{\chi}^{\scriptscriptstyle 0}, \, \widetilde{\nu} \, \to \, \nu \, \, \widetilde{\chi}^{\scriptscriptstyle 0}, \, \widetilde{\nu} \, \to \, \nu \, \, \widetilde{\chi}^{\scriptscriptstyle 0}, \, \widetilde{\nu} \, \to \, \nu \, \, \widetilde{\chi}^{\scriptscriptstyle 0}, \, \widetilde{\nu} \, \to \, \nu \, \, \widetilde{\chi}^{\scriptscriptstyle 0}, \, \widetilde{\nu} \, \to \, \nu \, \, \widetilde{\chi}^{\scriptscriptstyle 0}, \, \widetilde{\nu} \, \to \, \nu \, \, \widetilde{\chi}^{\scriptscriptstyle 0}, \, \widetilde{\nu} \, \to \, \nu \, \, \widetilde{\chi}^{\scriptscriptstyle 0}, \, \widetilde{\nu} \, \to \, \nu \, \, \widetilde{\chi}^{\scriptscriptstyle 0}, \, \widetilde{\nu} \, \to \, \nu \, \, \widetilde{\chi}^{\scriptscriptstyle 0}, \, \widetilde{\nu} \, \to \, \nu \, \, \widetilde{\chi}^{\scriptscriptstyle 0}, \, \widetilde{\nu} \, \to \, \nu \, \, \widetilde{\chi}^{\scriptscriptstyle 0}, \, \widetilde{\nu} \, \to \, \nu \, \, \widetilde{\chi}^{\scriptscriptstyle 0}, \, \widetilde{\nu} \, \to \, \nu \, \, \widetilde{\chi}^{\scriptscriptstyle 0}, \, \widetilde{\nu} \, \to \, \nu \, \, \widetilde{\chi}^{\scriptscriptstyle 0}, \, \widetilde{\nu} \, \to \, \nu \, \, \widetilde{\chi}^{\scriptscriptstyle 0}, \, \widetilde{\nu}^{\scriptscriptstyle 0}, \, \widetilde{\nu} \, \to \, \nu \, \, \widetilde{\chi}^{\scriptscriptstyle 0}, \, \widetilde{\nu}^{\scriptscriptstyle 0}, \,$ $Eq(m_{\widetilde{\chi}^+_{m_l}}, x), Eq(m_{\widetilde{v}}, m_{\widetilde{l}}, 0.5*x + 0.5*y), Eq(m_{\widetilde{v}^o}, y)$ $\pm 20\%$ (SModelS) exclusion (SModelS) 250 2.5 exclusion (official) 200 k-factor = 1.25 $oldsymbol{\sigma}_{ ext{signal}}/oldsymbol{o}_{ ext{Ul}}$ > 150 1.5 100 0.5 50 200 250 300 350 400 \mathcal{X} official plot:

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

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