$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$ $Eq(m_{\widetilde{\chi}_{o}^{o}}^{m}m_{\widetilde{\chi}_{m_{l}}^{+}}, x), Eq(m_{\widetilde{v}}^{m}, m_{\widetilde{l}}^{m}, 0.5*x + 0.5*y), Eq(m_{\widetilde{\chi}_{o}^{o}}^{m}y)$ ±20% (SModelS) 800 exclusion (SModelS) 700 2.5 exclusion (official) 600 k-factor = 1.25 500 1.5 400 300 200 0.5 100 300 500 600 700 800 900 200 400 \mathcal{X}

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

https://twiki.cern.ch/twiki/pub/CMSPublic/PhysicsResultsSUS12022/exclusion_TChiSlepSnu_2i_0_5.pdf

official plot: