$\textit{TChiChipmSlepStau}: pp \, \rightarrow \, \widetilde{\chi}^{\scriptscriptstyle 0}_{\scriptscriptstyle 2} \, \widetilde{\chi}^{\scriptscriptstyle +} m_{\scriptscriptstyle P} \, \, \widetilde{\chi}^{\scriptscriptstyle 0}_{\scriptscriptstyle 2} \, \widetilde{\chi}^{\scriptscriptstyle +} m_{\scriptscriptstyle I} \, \, \rightarrow l \, \, \widetilde{l} \, \, \nu \, \, \widetilde{\tau}, \, \, \widetilde{l} \, \rightarrow l \, \, \widetilde{\chi}^{\scriptscriptstyle 0}_{\scriptscriptstyle I}, \, \, \widetilde{\tau} \, \rightarrow \tau \, \, \widetilde{\chi}^{\scriptscriptstyle 0}_{\scriptscriptstyle I}, \, \, \widetilde{\tau} \, \rightarrow \tau \, \, \widetilde{\chi}^{\scriptscriptstyle 0}_{\scriptscriptstyle I}, \, \, \widetilde{\tau} \, \rightarrow \tau \, \, \widetilde{\chi}^{\scriptscriptstyle 0}_{\scriptscriptstyle I}, \, \, \widetilde{\tau} \, \rightarrow \tau \, \, \widetilde{\chi}^{\scriptscriptstyle 0}_{\scriptscriptstyle I}, \, \, \widetilde{\tau} \, \rightarrow \tau \, \, \widetilde{\chi}^{\scriptscriptstyle 0}_{\scriptscriptstyle I}, \, \, \widetilde{\tau} \, \rightarrow \tau \, \, \widetilde{\chi}^{\scriptscriptstyle 0}_{\scriptscriptstyle I}, \, \, \widetilde{\tau} \, \rightarrow \tau \, \, \widetilde{\chi}^{\scriptscriptstyle 0}_{\scriptscriptstyle I}, \, \, \widetilde{\tau} \, \rightarrow \tau \, \, \widetilde{\chi}^{\scriptscriptstyle 0}_{\scriptscriptstyle I}, \, \, \widetilde{\tau} \, \rightarrow \tau \, \, \widetilde{\chi}^{\scriptscriptstyle 0}_{\scriptscriptstyle I}, \, \, \widetilde{\tau} \, \rightarrow \tau \, \, \widetilde{\chi}^{\scriptscriptstyle 0}_{\scriptscriptstyle I}, \, \, \widetilde{\tau} \, \rightarrow \tau \, \, \widetilde{\chi}^{\scriptscriptstyle 0}_{\scriptscriptstyle I}, \, \, \widetilde{\tau} \, \rightarrow \tau \, \, \widetilde{\chi}^{\scriptscriptstyle 0}_{\scriptscriptstyle I}, \, \, \widetilde{\tau} \, \rightarrow \tau \, \, \widetilde{\chi}^{\scriptscriptstyle 0}_{\scriptscriptstyle I}, \, \, \widetilde{\tau} \, \rightarrow \tau \, \, \widetilde{\chi}^{\scriptscriptstyle 0}_{\scriptscriptstyle I}, \, \, \widetilde{\tau} \, \rightarrow \tau \, \, \widetilde{\chi}^{\scriptscriptstyle 0}_{\scriptscriptstyle I}, \, \, \widetilde{\tau} \, \rightarrow \tau \, \, \widetilde{\chi}^{\scriptscriptstyle 0}_{\scriptscriptstyle I}, \, \, \widetilde{\tau} \, \rightarrow \tau \, \, \widetilde{\chi}^{\scriptscriptstyle 0}_{\scriptscriptstyle I}, \, \, \widetilde{\tau} \, \rightarrow \tau \, \, \widetilde{\chi}^{\scriptscriptstyle 0}_{\scriptscriptstyle I}, \, \, \widetilde{\tau} \, \rightarrow \tau \, \, \widetilde{\chi}^{\scriptscriptstyle 0}_{\scriptscriptstyle I}, \, \, \widetilde{\tau} \, \rightarrow \tau \, \, \widetilde{\chi}^{\scriptscriptstyle 0}_{\scriptscriptstyle I}, \, \, \widetilde{\tau} \, \rightarrow \tau \, \, \widetilde{\chi}^{\scriptscriptstyle 0}_{\scriptscriptstyle I}, \, \, \widetilde{\tau} \, \rightarrow \tau \, \, \widetilde{\chi}^{\scriptscriptstyle 0}_{\scriptscriptstyle I}, \, \, \widetilde{\tau} \, \rightarrow \tau \, \, \widetilde{\chi}^{\scriptscriptstyle 0}_{\scriptscriptstyle I}, \, \, \widetilde{\tau} \, \rightarrow \tau \, \, \widetilde{\chi}^{\scriptscriptstyle 0}_{\scriptscriptstyle I}, \, \, \widetilde{\tau} \, \rightarrow \tau \, \, \widetilde{\chi}^{\scriptscriptstyle 0}_{\scriptscriptstyle I}, \, \, \widetilde{\tau} \, \rightarrow \tau \, \, \widetilde{\chi}^{\scriptscriptstyle 0}_{\scriptscriptstyle I}, \, \, \widetilde{\tau} \, \rightarrow \tau \, \, \widetilde{\chi}^{\scriptscriptstyle 0}_{\scriptscriptstyle I}, \, \, \widetilde{\chi}^{\scriptscriptstyle 0}_{\scriptscriptstyle I}, \, \, \widetilde{\tau} \, \rightarrow \tau \, \, \widetilde{\chi}^{\scriptscriptstyle 0}_{\scriptscriptstyle I}, \, \, \widetilde{\chi}^{\scriptscriptstyle 0$ $Eq(m_{\widetilde{\chi}_{3}^{o}}, m_{\widetilde{\chi}_{m_{l}}^{+}}, x), Eq(m_{\widetilde{\tau}}, m_{\widetilde{l}}, 0.5*x + 0.5*y), Eq(m_{\widetilde{\chi}^{o}}, y)$ 800 ±20% (SModelS) exclusion (SModelS) 700 2.5 exclusion (official) 600 k-factor = 1.25 $\sigma_{
m signal}/\sigma_{
m U}$ 500 1.5 400 300 200 0.5 100 300 500 800 900 200 400 600 700 χ

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

https://twiki.cern.ch/twiki/pub/CMSPublic/PhysicsResultsSUS12022/exclusion_TChiSlepSnu_2a_0_5.pdf

official plot: