ATLAS-CONF-2013-028 (upperLimit) $\mathbb{R}^{0} \approx \mathbb{R}^{2} \approx \mathbb{R}^{0} \approx \mathbb{R}^{2} = \mathbb{R}^{0} \approx \mathbb{R}^{2} = \mathbb{R}^{0} = \mathbb{R}^{0}$

 $\textit{TChiChipmStauL}: pp \rightarrow \widetilde{\chi}^{0}_{2} \ \widetilde{\chi}^{\pm}_{1}, \ \widetilde{\chi}^{0}_{2} \ \widetilde{\chi}^{\pm}_{1} \ \rightarrow \tau \ \widetilde{\tau} \ (\ \nu \ \widetilde{\nu}\) \ \tau \ \widetilde{\nu} \ (\ \nu \ \widetilde{\tau}\), \ \widetilde{\tau} \rightarrow \tau \ \widetilde{\chi}^{0}_{1}, \ \widetilde{\nu} \rightarrow \nu \$ $m_{\tilde{\chi}_{3}^{0}}, m_{\tilde{\chi}_{1}^{\pm}} = x, m_{\tilde{\tau}}, m_{\tilde{v}} = 0.5 * x + 0.5 * y, m_{\tilde{v}^{0}} = y$ 180 exclusion (SModelS 160 ±20% (SModelS)---2.5 140 k-factor = 1.25120 $oldsymbol{\sigma}_{ ext{signal}}/oldsymbol{\sigma}_{ ext{Ul}}$ 100 1.5 80 60 40 0.5 20 150 350 200 250 300 \mathcal{X}

official plot:

https://atlas.web.cern.ch/Atlas/GROUPS/PHYSICS/CONFNOTES/ATLAS-CONF-2013-028/figaux_08a.png