$T2bbWW: pp \rightarrow \tilde{t} \ \tilde{t}, \ \tilde{t} \rightarrow b \ W \ \tilde{\chi}_{t}^{0}$  $m_{\tilde{t}} = x$ ,  $m_{\tilde{\chi}_{\cdot}^{0}} = y$ exclusion (SModelS) 300 1.4 SModelS ±20% (SModelS) exclusion (official) 1.2 250  $\sigma_{
m signal}/\sigma_{
m UI}$ 200 0.8 150 0.6 100 0.4 0.2 50 150 200 250 300 350  $\mathcal{X}$ 

CMS-SUS-14-021 (upperLimit)

https://twiki.cern.ch/twiki/pub/CMSPublic/PhysicsResultsSUS14021/singleLeptonLimits.pdf

official plot: