## 3 exclusion (SModelS) SModelS 450 ±20% (SModelS) 2.5 exclusion (official) 400 $\sigma_{ m signal}/\sigma_{ m UI}$ 350 > 300 1.5 250 200 0.5 150

500

 $\chi$ 

600

550

650

CMS-SUS-13-013 (upperLimit)

https://twiki.cern.ch/twiki/pub/CMSPublic/PhysicsResultsSUS13013/Figure6\_B1a.pdf

450

400

 $T6ttWW: pp \rightarrow \widetilde{b} \ \widetilde{b}, \ \widetilde{b} \ \rightarrow t \ \widetilde{\chi}_{i}^{\pm}, \ \widetilde{\chi}_{i}^{\pm} \rightarrow W \ \widetilde{\chi}_{i}^{0}$ 

 $m_{\widetilde{b}} = x$ ,  $m_{\widetilde{\chi}_{\perp}^{\pm}} = y$ ,  $m_{\widetilde{\chi}_{\perp}^{0}} = 50$ 

350

official plot: