## CMS-PAS-SUS-13-023 (upperLimit) $T6bbWW: pp \to \tilde{t} \ \tilde{t}, \ \tilde{t} \ \to b \ \tilde{\chi}^{\pm}_{_{I}}, \ \tilde{\chi}^{\pm}_{_{I}} \to W \ \tilde{\chi}^{^{0}}_{_{I}}$

 $m_{\tilde{t}} = x$ ,  $m_{\tilde{z}^{\pm}} = 0.75 * x + 0.25 * y$ ,  $m_{\tilde{z}^{0}} = y$ exclusion (SModelS) 1.6 350 ±20% (SModelS) 1.4 300 1.2 250 > 200 0.8 150 0.6 100 0.4 50 0.2 300 700 400 500 600  $\chi$ 

https://twiki.cern.ch/twiki/pub/CMSPublic/PhysicsResultsSUS13023/T2bw\_0p25\_observed\_xsection\_UL.png

official plot: