CMS-PAS-SUS-13-023 (upperLimit) $T6bbWW: pp \rightarrow \widetilde{t} \ \widetilde{t}, \ \widetilde{t} \ \rightarrow b \ \widetilde{\chi}_{_{I}}^{_{\bot}}, \ \widetilde{\chi}_{_{I}}^{_{\bot}} \rightarrow W \ \widetilde{\chi}_{_{I}}^{^{0}}$

 $m_{\tilde{t}} = x$, $m_{\tilde{x}^{\pm}} = 0.5 * x + 0.5 * y$, $m_{\tilde{x}^{0}} = y$ exclusion (SModelS) 350 2.5 ±20% (SModelS) 300 $\sigma_{
m signal}/\sigma_{
m UI}$ 250 1.5 > 200 150 100 0.5 50

official plot:

300

https://twiki.cern.ch/twiki/pub/CMSPublic/PhysicsResultsSUS13023//T2bw_0p50_observed_xsection_UL.pdf

500

 χ

600

700

400