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

 $m_{\tilde{t}} = x$, $m_{\tilde{z}^{\pm}} = 0.25 * x + 0.75 * y$, $m_{\tilde{z}^{0}} = y$ exclusion (SModelS) ±20% (SModelS) 2.5 $oldsymbol{\sigma}_{ ext{signal}}/oldsymbol{o}_{ ext{Ul}}$ 1.5 0.5 \mathcal{X} official plot:

https://twiki.cern.ch/twiki/pub/CMSPublic/PhysicsResultsSUS13023//T2bw_0p75_observed_xsection_UL.pdf