$m_{\tilde{t}} = x$ ,  $m_{\tilde{y}^{\pm}} = 0.5 * x + 0.5 * y$ ,  $m_{\tilde{y}^0} = y$ 3 600 exclusion (SModelS) 2.5 500 ±20% (SModelS)  $oldsymbol{\sigma}_{ ext{signal}}/oldsymbol{\sigma}_{ ext{UI}}$ 400 1.5 300 200 0.5 100 400 500 600 700 800 900  $\mathcal{X}$ official plot: http://cms-results.web.cern.ch/cms-results/public-results/preliminary-results/SUS-16-051/CMS-PAS-SUS-16-051\_Figure\_006.png

CMS-SUS-16-051 (upperLimit)

 $T6bbWW: pp \rightarrow \widetilde{t} \ \widetilde{t}, \ \widetilde{t} \ \rightarrow b \ \widetilde{\chi}_{i}^{\pm}, \ \widetilde{\chi}_{i}^{\pm} \rightarrow W \ \widetilde{\chi}_{i}^{0}$