CMS-SUS-16-036 (upperLimit)

 $T6bbWW: pp \rightarrow \widetilde{t} \ \widetilde{t}, \ \widetilde{t} \ \rightarrow b \ \widetilde{\chi}_{i}^{\pm}, \ \widetilde{\chi}_{i}^{\pm} \rightarrow W \ \widetilde{\chi}_{i}^{0}$ $m_{\tilde{t}} = x$, $m_{\tilde{\chi}^{\pm}} = 0.5 * x + 0.5 * y$, $m_{\tilde{\chi}^0} = y$ 3 600 ±20% (S SModelS exclusion (SModelS) 2.5 500 exclusion (official) ±1σ (official) $\sigma_{
m signal}/\sigma_{
m U}$ 400 1.5 300 200

700

800

900

600

 \mathcal{X}

500

100

400

0.5

upper limit