CMS-PAS-SUS-13-015 (upperLimit)  $T2tt: pp \to \widetilde{t} \ \widetilde{t}, \ \widetilde{t} \ \to t \ \widetilde{\chi}^0_i$ 

 $Eq(m_{\tilde{z}}, x), Eq(m_{\tilde{z}}, y)$ 3 ±20% (SModelS) exclusion (SModelS) 350 2.5 exclusion (official) 300  $\pm 1\sigma$  (official)  $\sigma_{
m signal}/\sigma_{
m U}$ 250 > 200 1.5 150 100 0.5 50 300 700 400 500 600  $\chi$ 

https://twiki.cern.ch/twiki/pub/CMSPublic/PhysicsResultsSUS13015/T2tt\_alt\_combined\_all\_fullToysXSEC.png

official plot: