## ATLAS-CONF-2012-166 (upperLimit) $T6bbWW: pp \rightarrow \tilde{t} \ \tilde{t}, \ \tilde{t} \ \rightarrow b \ \tilde{\chi}^{\pm}_{i}, \ \tilde{\chi}^{\pm}_{i} \rightarrow W \ \tilde{\chi}^{0}_{i}$

 $m_{\tilde{t}} = x$ ,  $m_{\tilde{x}^{\pm}} = 150.0$ ,  $m_{\tilde{x}^{0}} = y$ exclusion (SModelS) 70 2.2 SModelS ±20% (SModelS) 2 exclusion (official) 60 1.8 1.6 50  $\sigma_{\text{signal}}/\sigma_{\text{UI}}$ 1.4 40 1.2 30 0.8 20 0.6 0.4 10 0.2 180 200 220 240 260 280 300 320 340 360 380

## official plot:

https://atlas.web.cern.ch/Atlas/GROUPS/PHYSICS/CONFNOTES/ATLAS-CONF-2012-166//figaux\_04.png

 $\mathcal{X}$