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

 $m_{\tilde{t}} = x$, $m_{\tilde{x}^{\pm}} = 2.0$ *y, $m_{\tilde{x}^{0}} = y$ exclusion (SModelS) SModelS ±20% (SModelS) 140 exclusion (official) 0.8 130 $\sigma_{
m signal}/\sigma_{
m UI}$ 120 0.6 110 0.4 100 90 0.2 80

300 320

340 360

official plot:

https://atlas.web.cern.ch/Atlas/GROUPS/PHYSICS/CONFNOTES/ATLAS-CONF-2012-166//figaux_05.png

280 X

240 260

200