ATLAS-CONF-2013-025 (upperLimit)

 $T6ZZtt: pp \rightarrow \widetilde{t}_2 \ \widetilde{t}_2, \ \widetilde{t}_2 \rightarrow Z \ \widetilde{t}, \ \widetilde{t} \rightarrow t \ \widetilde{\chi}_1^0$ $m_{\tilde{t}_2} = x$, $m_{\tilde{t}} = y + 180.0$, $m_{\tilde{s}_0} = y$ 3 ±20% (S 300 SModelS exclusion (SModelS) 2.5 250 exclusion (official) $\pm 1\sigma$ (official) $oldsymbol{\sigma}_{ ext{signal}}/oldsymbol{\sigma}_{ ext{Ul}}$ 200 1.5 150 100 0.5

550

 \mathcal{X}

700

upper limit

650

600

50

350

450

400

500