## ATLAS-SUSY-2016-33 (upperLimit)

 $T5ZZ: pp \to \widetilde{g} \ \widetilde{g}, \ \widetilde{g} \to q \ \overline{q} \ \widetilde{\chi}_{2}^{0}, \ \widetilde{\chi}_{2}^{0} \to Z \ \widetilde{\chi}_{1}^{0}$  $m_{\tilde{g}} = x$ ,  $m_{\tilde{g}^0} = 0.5 * x + 0.5 * y$ ,  $m_{\tilde{g}^0} = y$ 3 ±20% (S 1000 exclusion (SModelS) 2.5 900 exclusion (official)  $oldsymbol{\sigma}_{ ext{signal}}/oldsymbol{\sigma}_{ ext{Ul}}$ 800 **>** 700 1.5 600 500 0.5

1400

1600

1800

upper limit

400

800

1000

1200

 $\mathcal{X}$