900 800 700 600 500 400 300

700

 \mathcal{X}

800

900

ATLAS-SUSY-2013-02 (upperLimit)

3

2.5

 $\sigma_{
m signal'}$

SModelS

1000 1100

https://atlas.web.cern.ch/Atlas/GROUPS/PHYSICS/PAPERS/SUSY-2013-02/figaux_11b.png

600

500

400

exclusion (SModelS)

±20% (SModelS)

 $T5WWoff: pp \rightarrow \widetilde{g} \ \widetilde{g}, \ \widetilde{g} \ \rightarrow q \ \overline{q} \ \widetilde{\chi}_{i}^{\pm}, \ \widetilde{\chi}_{i}^{\pm} \rightarrow W^{*} \ \widetilde{\chi}_{i}^{0}$

 $m_{\tilde{g}} = x$, $m_{\tilde{z}^{\pm}} = 0.5 * x + 0.5 * y$, $m_{\tilde{z}^{0}} = y$

1100

1000

200

official plot:

300