# ATLAS-CONF-2013-047 (upperLimit)

$T2 : pp \rightarrow \tilde{q} \; \tilde{q}, \; \tilde{q} \rightarrow q \; \tilde{\chi}_1^0$

$m_{\tilde{q}} = x, \; m_{\tilde{\chi}_1^0} = y$

— exclusion (SModelS)

····· ±20% (SModelS)

$r = \sigma_{\text{signal}} / \sigma_{\text{UL}}$

**official plot:**
**https://atlas.web.cern.ch/Atlas/GROUPS/PHYSICS/CONFNOTES/ATLAS-CONF-2013-047/fig_19c.png**