# CMS-SUS-13-007 (upperLimit)

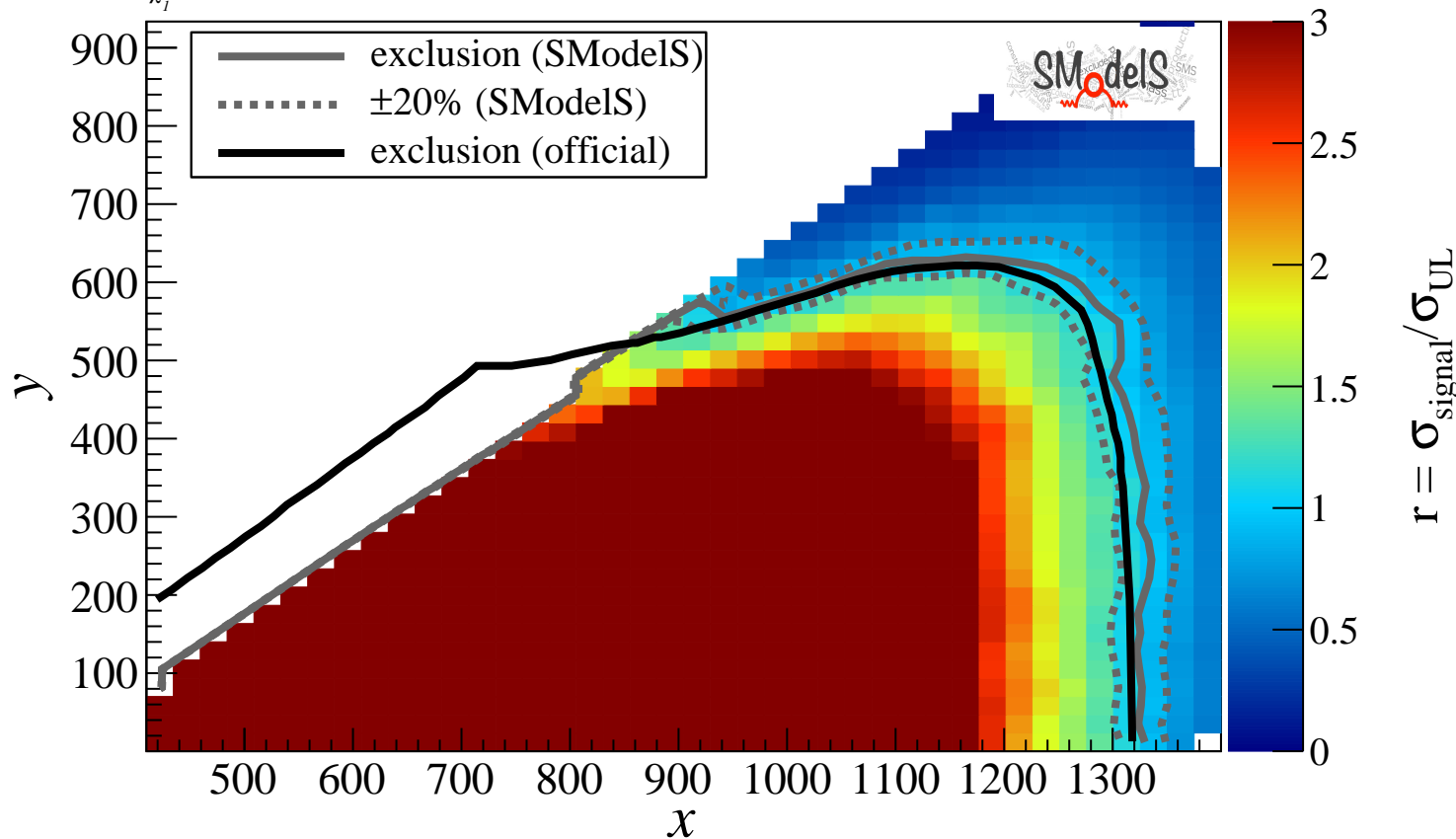$T1tttt : pp \rightarrow \tilde{g}\,\tilde{g},\ \tilde{g} \rightarrow t\,\bar{t}\ \tilde{\chi}_1^0$

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



- exclusion (SModelS)
- ±20% (SModelS)
- exclusion (official)

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

$y$

$x$

**official plot:**
**https://twiki.cern.ch/twiki/pub/CMSPublic/PhysicsResultsSUS13007/combLimit_T1tttt_b.pdf**