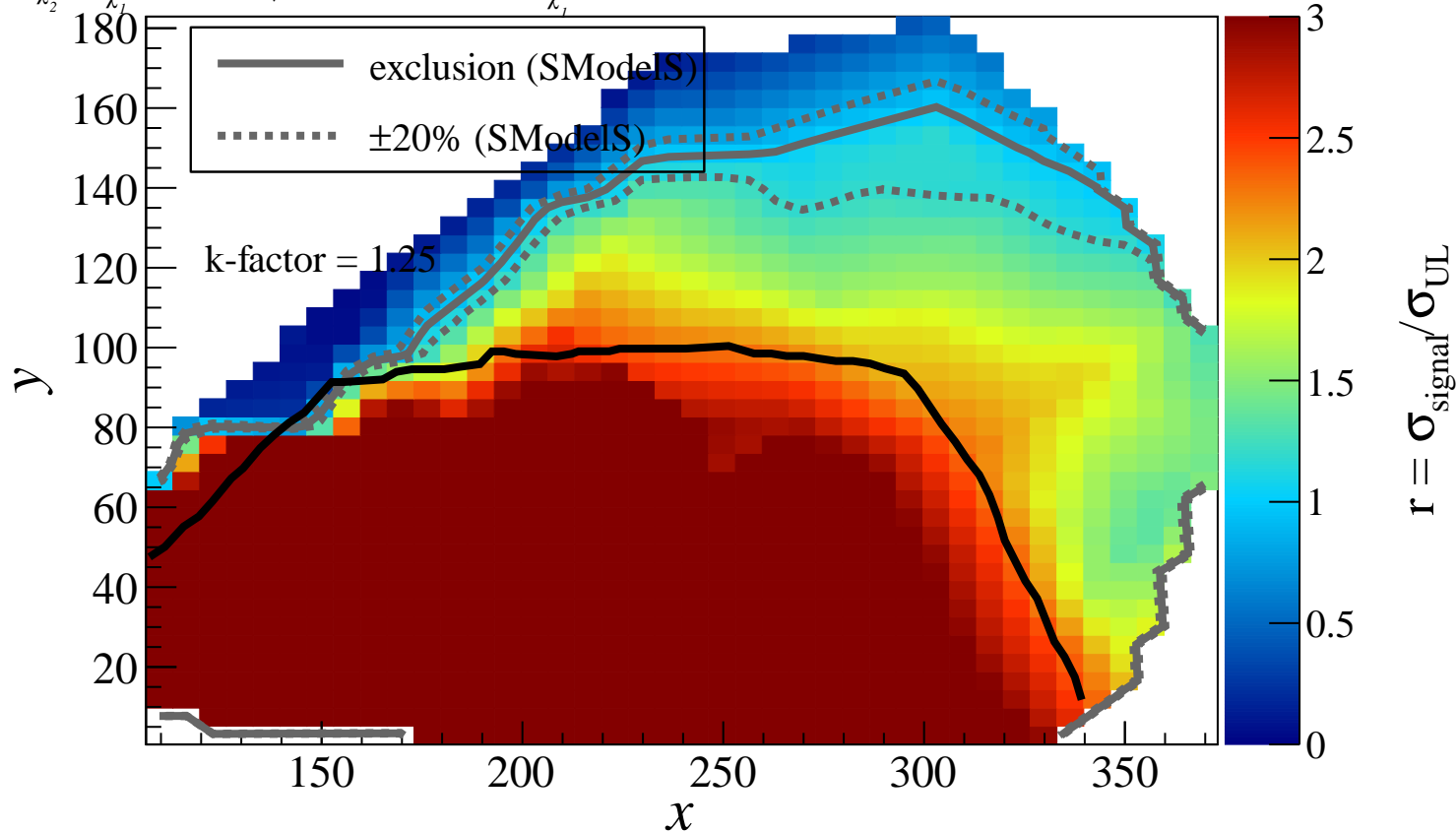ATLAS-CONF-2013-028 (upperLimit)

$TChiChipmStauL : pp \rightarrow \tilde{\chi}_2^0 \tilde{\chi}_1^\pm, \tilde{\chi}_2^0 \tilde{\chi}_1^\pm \rightarrow \tau \tilde{\tau} (\nu \tilde{\nu}) \tau \tilde{\nu} (\nu \tilde{\tau}), \tilde{\tau} \rightarrow \tau \tilde{\chi}_1^0, \tilde{\nu} \rightarrow \nu \tilde{\chi}_1^0$

$m_{\tilde{\chi}_2^0}, m_{\tilde{\chi}_1^\pm}=x, m_{\tilde{\tau}}, m_{\tilde{\nu}}=0.5*x + 0.5*y, m_{\tilde{\chi}_1^0}=y$

exclusion (SModelS)

±20% (SModelS)

k-factor = 1.25

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

official plot:
https://atlas.web.cern.ch/Atlas/GROUPS/PHYSICS/CONFNOTES/ATLAS-CONF-2013-028/figaux_08a.png