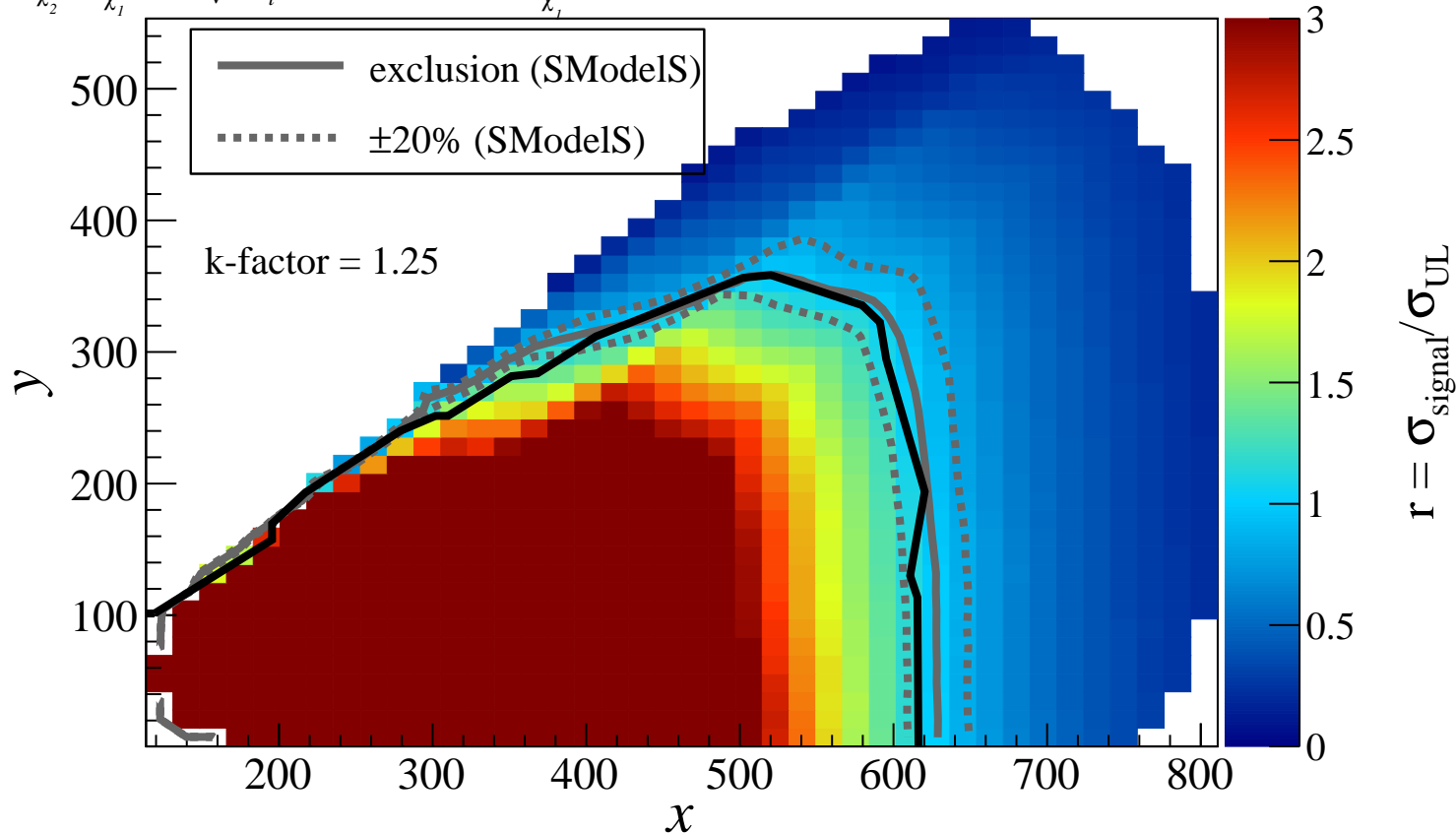ATLAS-CONF-2013-035 (upperLimit)

$TChiChipmSlepL : pp \rightarrow \widetilde{\chi}_2^0 \widetilde{\chi}_1^\pm, \widetilde{\chi}_2^0 \widetilde{\chi}_1^\pm \rightarrow l \, \widetilde{l} \, (\, \nu \, \widetilde{\nu} \,) \, l \, \widetilde{\nu} \, (\, \nu \, \widetilde{l} \,), \widetilde{l} \rightarrow l \, \widetilde{\chi}_1^0, \widetilde{\nu} \rightarrow \nu \, \widetilde{\chi}_1^0$

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

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-2013-035/figaux_01a.png