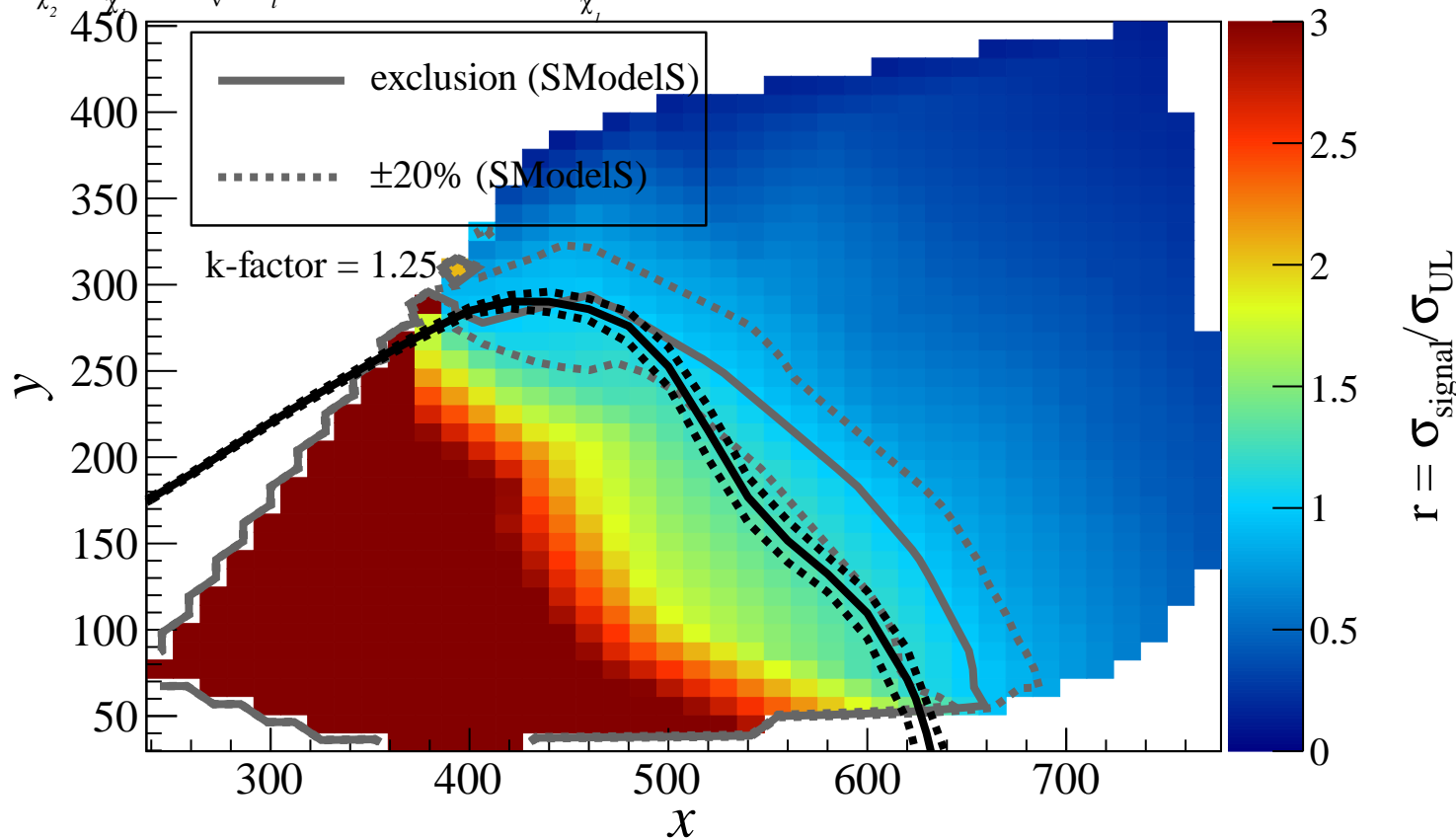# CMS-SUS-13-006 (upperLimit)

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

$m_{\tilde{\chi}_2^0}, m_{\tilde{\chi}_1^\pm}=x, m_{\tilde{\nu}}, m_{\tilde{l}}=0.95*x + 0.05*y, m_{\tilde{\chi}_1^0}=y$

exclusion (SModelS)

±20% (SModelS)

k-factor = 1.25

y

x

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