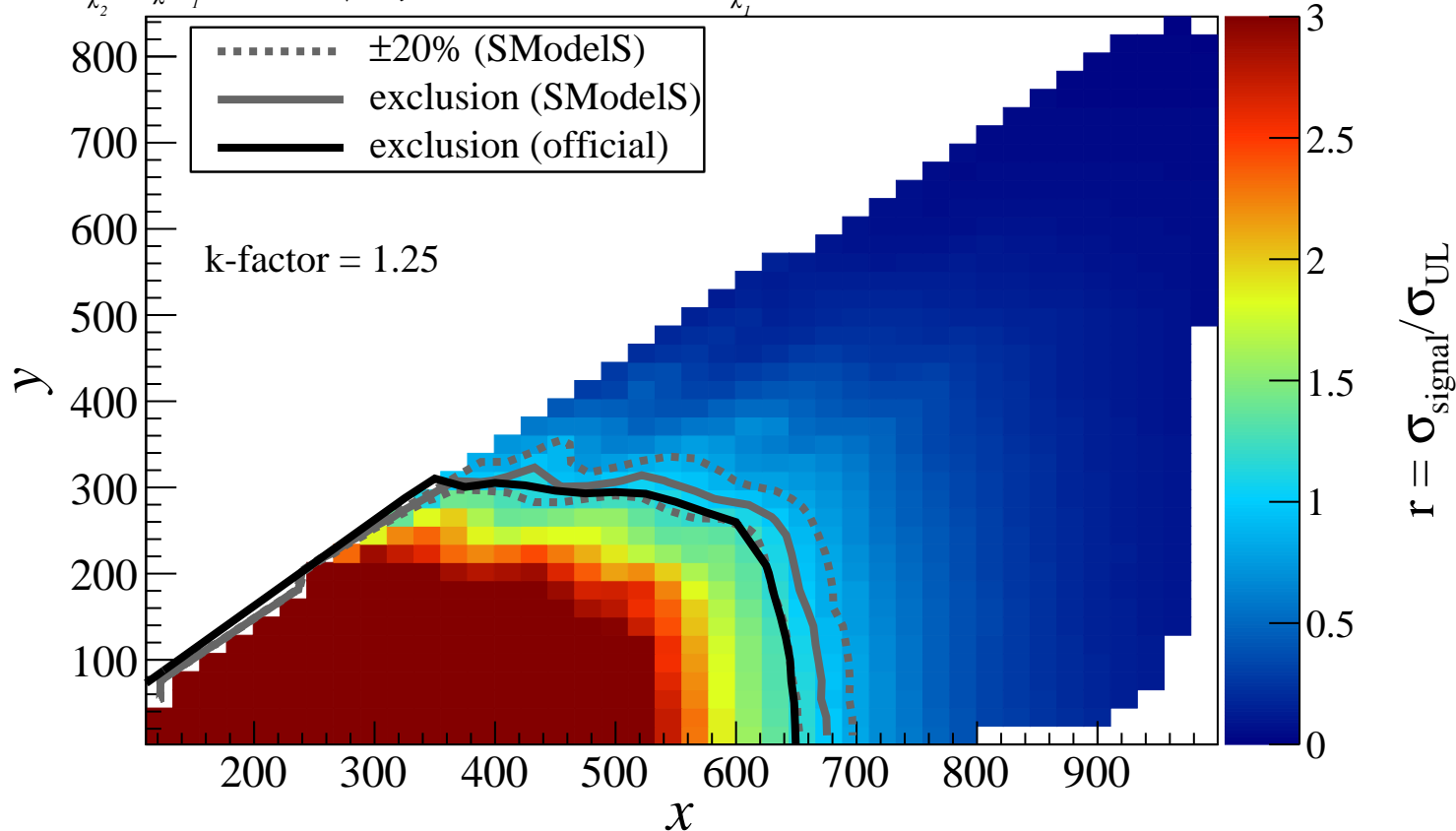## CMS-PAS-SUS-12-022 (upperLimit)

$TChiChipmSlepL : pp \rightarrow \tilde{\chi}_2^0 \tilde{\chi}^+ m_1, \tilde{\chi}_2^0 \tilde{\chi}^+ m_1 \rightarrow l \tilde{l} (\nu \tilde{\nu}) l \tilde{\nu} (\nu \tilde{l}), \tilde{l} \rightarrow l \tilde{\chi}_1^0, \tilde{\nu} \rightarrow \nu \tilde{\chi}_1^0$

$Eq(m_{\tilde{\chi}_2^0}, m_{\tilde{\chi}^+ m_1}, x), Eq(m_{\tilde{\nu}}, m_{\tilde{l}}, 0.5*x + 0.5*y), Eq(m_{\tilde{\chi}_1^0}, y)$

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

k-factor = 1.25

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