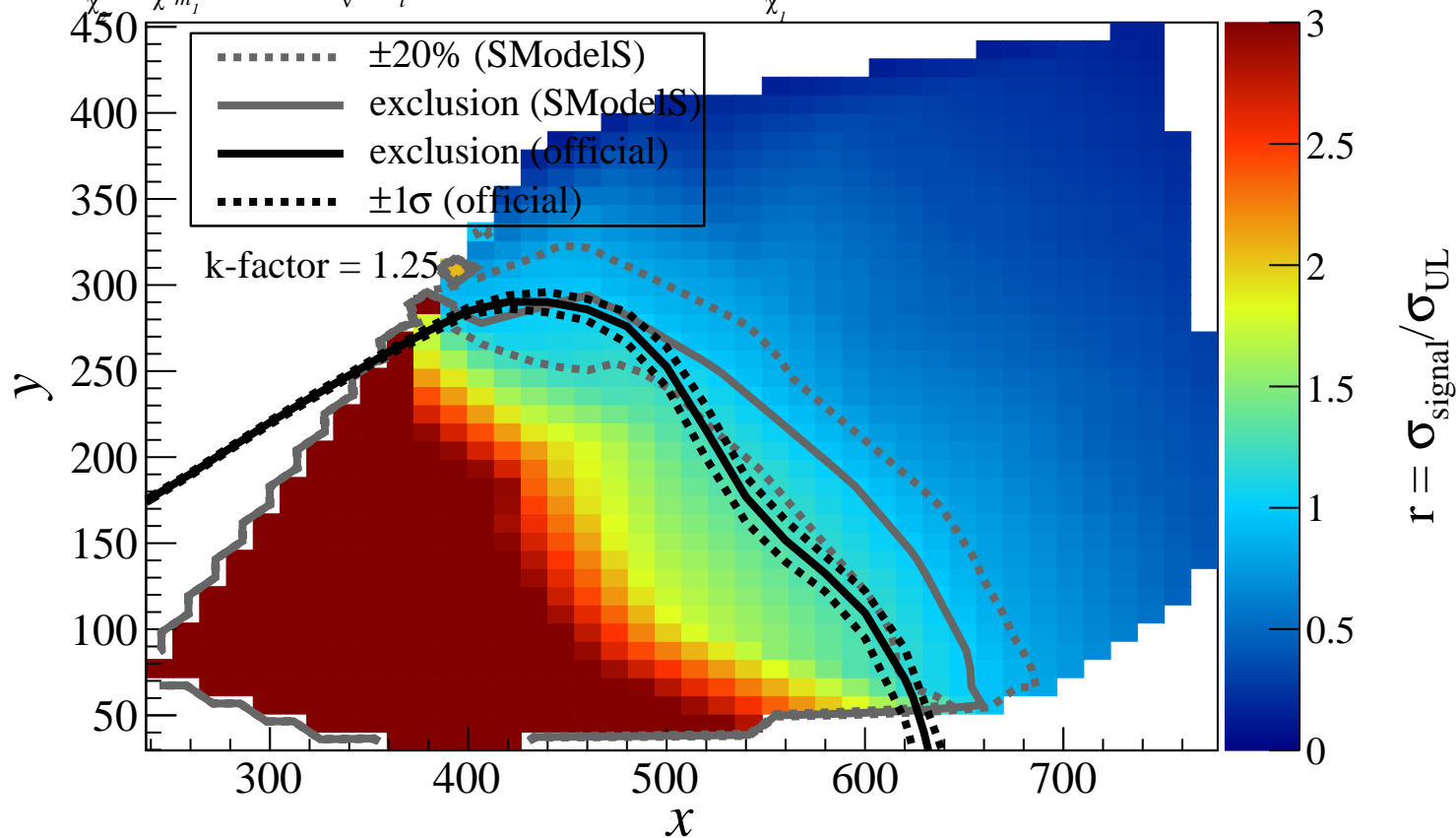# CMS-SUS-13-006 (upperLimit)

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

$Eq(m_{\tilde{\chi}^0},\, m_{\tilde{\chi}^+ m_1},\, x),\; Eq(m_{\tilde{\nu}},\, m_{\tilde{l}}\, 0.95{*}x + 0.05{*}y),\; Eq(m_{\tilde{\chi}_1^0},\, y)$

Legend:
- ±20% (SModelS) — dotted gray
- exclusion (SModelS) — solid gray
- exclusion (official) — solid black
- ±1σ (official) — dotted black

k-factor = 1.25

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