ATLAS-SUSY-2013-11 (efficiencyMap)

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

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

k-factor = 1.25

±20% (SModelS)

exclusion (SModelS)

exclusion (official)

±1σ (official)

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

best SR