ATLAS-CONF-2013-028 (upperLimit)

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

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

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

k-factor = 1.25

y

x

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

official plot:
https://atlas.web.cern.ch/Atlas/GROUPS/PHYSICS/CONFNOTES/ATLAS-CONF-2013-028/figaux_08a.png