$TChiWZoff: pp \rightarrow \widetilde{\chi}_{2}^{0} \ \widetilde{\chi}_{1}^{\pm}, \ \widetilde{\chi}_{2}^{0} \ \widetilde{\chi}_{1}^{\pm} \rightarrow Z^{*} \ W^{*} \ \widetilde{\chi}_{1}^{0} \ \widetilde{\chi}_{1}^{0}$  $m_{\tilde{\chi}_{i}^{0}}, m_{\tilde{\chi}_{i}^{\pm}} = x, m_{\tilde{\chi}_{i}^{0}} = y$ 3 exclusion (SModelS) 180 2.5 ±20% (SModelS) 160 k-factor = 1.25  $oldsymbol{\sigma}_{ ext{signal}}/oldsymbol{\sigma}_{ ext{UI}}$ 140 > 120 1.5 100 80 0.5 60 40 220 240 120 180 140 160 200 260  $\mathcal{X}$ 

CMS-SUS-13-006 (upperLimit)

https://twiki.cern.ch/twiki/pub/CMSPublic/PhysicsResultsSUS13006/Fig16\_exclusion\_TChiWZ.png

official plot: