$TChiWH: pp \rightarrow \widetilde{\chi}_{2}^{0} \ \widetilde{\chi}_{1}^{\pm}, \ \widetilde{\chi}_{2}^{0} \ \widetilde{\chi}_{1}^{\pm} \rightarrow H \ W \ \widetilde{\chi}_{1}^{0} \ \widetilde{\chi}_{1}^{0}$ $m_{\tilde{\chi}_{2}^{0}}, m_{\tilde{\chi}_{1}^{\pm}} = x, m_{\tilde{\chi}_{1}^{0}} = y$ 140 exclusion (SModelS) 120 2.5 ±20% (SModelS) 100 k-factor = 1.25 $oldsymbol{\sigma}_{ ext{signal}}/oldsymbol{\sigma}_{ ext{Ul}}$ 80 1.5 60 40 0.5 20 150 250 300 200 350 \mathcal{X} official plot:

CMS-SUS-13-006 (efficiencyMap)

https://twiki.cern.ch/twiki/pub/CMSPublic/PhysicsResultsSUS13006/Fig16_exclusion_TChiWH.png