CMS-SUS-16-039 (upperLimit)

 $TChiChipmSlepL: pp \rightarrow \widetilde{\chi}_{2}^{0} \ \widetilde{\chi}_{1}^{\pm}, \ \widetilde{\chi}_{2}^{0} \ \widetilde{\chi}_{1}^{\pm} \ \rightarrow l \ \widetilde{l} \ (\ \nu \ \widetilde{\nu}\ ) \ l \ \widetilde{\nu} \ (\ \nu \ \widetilde{l}\ ), \ \widetilde{l} \rightarrow l \ \widetilde{\chi}_{1}^{0}, \ \widetilde{\nu} \rightarrow \nu \ \widetilde{\chi}_{1}^{0}$  $m_{\tilde{\chi}^0}, m_{\tilde{\chi}^{\pm}} = x, m_{\tilde{\chi}}, m_{\tilde{l}} = 0.95 * x + 0.05 * y, m_{\tilde{\chi}^0} = y$ 3 exclusion (SModelS) 600 2.5 ±20% (SModelS) 500 k-factor = 1.25400 1.5 300 200 0.5 100 1200 200 400 600 800 1000

 $\mathcal{X}$