

CMS $35.9 \text{ fb}^{-1} (13 \text{ TeV})$

$$pp \rightarrow \tilde{\chi}_i^{0,\pm} \tilde{\chi}_j^{0,\mp} \rightarrow \tilde{\chi}_1^0 \tilde{\chi}_1^0 + X_{\text{soft}} \rightarrow HH\tilde{G}\tilde{G} + X_{\text{soft}}$$

$$m_{\tilde{\chi}_2^0} \approx m_{\tilde{\chi}_1^\pm} \approx m_{\tilde{\chi}_1^0}, m_{\tilde{G}} = 1 \text{ GeV}$$

 σ [fb]—+— NLO+NLL theory \pm s.d.

95% CL upper limits

— Observed

- - - 68% expected

- - - 95% expected

Higgsino mass $m_{\tilde{\chi}_1^0}$ [GeV]