CMS

\[ \sqrt{s} = 8 \text{ TeV}, \quad L_{\text{int}} = 19.5 \text{ fb}^{-1} \]

\[ pp \rightarrow \tilde{g} \tilde{g}, \tilde{g} \rightarrow btW\tilde{\chi}_1^0 \] NLO+NLL exclusion

- Observed ± 1 \( \sigma \)_{theory}
- Expected ± 1 \( \sigma \)_{experiment}

\[ m_{\tilde{\chi}_1^\pm} = 300 \text{ GeV} \quad m_{\tilde{\chi}_1^0} = 50 \text{ GeV} \]