

CMS

19.7 fb⁻¹ (8 TeV)

σ [fb]

$\tilde{\chi}_1^\pm \rightarrow \tilde{\tau} \nu_\tau, \tilde{\chi}_2^0 \rightarrow \tilde{\tau} \tau, m_{\tilde{\chi}_1^\pm} - m_{\tilde{\tau}} = 5 \text{ GeV}$

$\mu\mu, e\mu, \mu\tau_h, \tau_h\tau_h$

— Observed

Expected $\pm 1\sigma, m_{\tilde{\chi}_1^\pm} - m_{\tilde{\chi}_1^0} = 50 \text{ GeV}$

Expected $\pm 1\sigma, m_{\tilde{\chi}_1^0} = 0 \text{ GeV}$

— $\sigma(pp \rightarrow \tilde{\chi}\tilde{\chi}jj)$ (LO)

10³
10²
10
1

100 150 200 250 300 350 400
 $m_{\tilde{\chi}_1^\pm} = m_{\tilde{\chi}_2^0}$ [GeV]

