

CMS

19.7 fb⁻¹ (8 TeV)

σ [fb]

$$\tilde{\chi}_1^\pm \rightarrow \tilde{\tau} \nu_\tau, \tilde{\chi}_2^0 \rightarrow \tilde{\tau} \tau, m_{\tilde{\tau}_1} = \frac{1}{2}m_{\tilde{\chi}_1^0} + \frac{1}{2}m_{\tilde{\chi}_1^\pm}$$

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

— Observed

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

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

