

**CMS****19.7 fb<sup>-1</sup> (8 TeV)** $\sigma$  [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

■  $\pm 1\sigma, m_{\tilde{\chi}_1^\pm} - m_{\tilde{\chi}_1^0} = 50 \text{ GeV}$ ■  $\pm 1\sigma, m_{\tilde{\chi}_1^\pm} - m_{\tilde{\chi}_1^0} = 0 \text{ GeV}$ —  $\sigma(pp \rightarrow \tilde{\chi}\tilde{\chi}jj)$  (LO) $10^2$  $10$  $1$ 

100

150

200

250

300

350

400

 $m_{\tilde{\chi}_1^\pm} = m_{\tilde{\chi}_1^0}$  [GeV]