

CMS**19.7 fb⁻¹ (8 TeV)** σ (fb)10³10²

10

1

 $\tilde{\chi}_1^{\pm} \rightarrow \tilde{\tau} \nu_{\tau}, \tilde{\chi}_2^0 \rightarrow \tilde{\tau} \tau, m(\tilde{\chi}_1^{\pm}) - m(\tilde{\tau}) = 5 \text{ GeV}$
 $\mu\mu, e\mu, \mu\tau_h, \tau_h\tau_h$ (OS & LS)

— Observed

- · - Expected

Expected $\pm 1\sigma$, $m(\tilde{\chi}_1^{\pm}) - m(\tilde{\chi}_1^0) = 50 \text{ GeV}$ Expected $\pm 1\sigma$, $m(\tilde{\chi}_1^0) = 0 \text{ GeV}$ — $\sigma(\text{LO})$

100 150 200 250 300 350 400

 $m(\tilde{\chi}_1^{\pm})$ (GeV)