

CMS $4.5 \text{ fb}^{-1} (7 \text{ TeV}) + 19.7 \text{ fb}^{-1} (8 \text{ TeV})$ **11****500 GeV****400 fb****400 fb****400 fb** $\tilde{\chi}_1^0 \tilde{\chi}_1^0$ $\tilde{q} \tilde{q} (\tilde{q} \rightarrow q \tilde{\chi}_1^\pm)^*$ $\tilde{b} \tilde{b} (\tilde{b} \rightarrow b \tilde{\chi}_1^0)$ $\tilde{\chi}_1^\pm \tilde{\chi}_2^0 (\tilde{\chi} \rightarrow V/h \tilde{\chi}_1^0)$ $\tilde{\chi}_1^\pm \tilde{\chi}_1^0 (\tilde{\chi}_1^\pm \rightarrow W^\pm \tilde{\chi}_1^0)$ $\tilde{q} \tilde{q} (\tilde{q} \rightarrow q \tilde{\chi}_1^0)$ **0****0 GeV****0 fb****0 fb****0 fb**

principal process

 $\langle E_T^{\text{miss}} \rangle$ $\sigma_f(E_T^{\text{miss}} > 100)$ $\sigma_f(E_T^{\text{miss}} > 200)$ $\sigma_f(E_T^{\text{miss}} > 300)$ 