

CMS $4.5 \text{ fb}^{-1} (7 \text{ TeV}) + 19.7 \text{ fb}^{-1} (8 \text{ TeV})$ **11****400 GeV****200 fb****200 fb****200 fb** $\tilde{\chi}^0 \tilde{\chi}^0$ $\tilde{q}\tilde{q}(\tilde{q} \rightarrow \tilde{\chi}^\pm)^*$ $\tilde{b}\tilde{b}(\tilde{b} \rightarrow b)$ $\tilde{\chi}^\pm \tilde{\chi}_2^0 (\tilde{\chi} \rightarrow V/h)$ $\tilde{\chi}^\pm \tilde{\chi}^0 (\tilde{\chi}^\pm \rightarrow W^\pm)$ $\tilde{q}\tilde{q}(\tilde{q} \rightarrow qq)$ **0****0 GeV****0 fb****0 fb****0 fb**

principal process

 $\langle p_{\text{T}}^{\text{bjet1}} \rangle$ $\sigma_f(p_{\text{T}}^{\text{bjet1}} > 50)$ $\sigma_f(p_{\text{T}}^{\text{bjet1}} > 100)$ $\sigma_f(p_{\text{T}}^{\text{bjet1}} > 200)$ 