

pp  $\rightarrow \tilde{q}\tilde{q}^*, \tilde{q} \rightarrow q\tilde{\chi}_1^0$  ( $m_{\tilde{q}} = 600$  GeV,  $m_{\tilde{\chi}_1^0} = 0$  GeV)

| Selection   | Yield | Efficiency [%] |
|---|-------|----------------|
| Before selection  | 3199  | 100            |
| Trigger selection   | 2519  | 78.7           |
| At least one jet  | 2519  | 78.7           |
| $M_{T2} > 200$ GeV (if $N_j \geq 2$ )   | 1920  | 60.0           |
| $\Delta\phi_{\min} > 0.3$   | 1760  | 55.0           |
| $ \vec{p}_T^{\text{miss}} - \vec{H}_T^{\text{miss}}  / E_T^{\text{miss}} < 0.5$ | 1728  | 54.0           |
| Lepton veto   | 1700  | 53.1           |
| $200 < H_T < 1000$ GeV  | 1372  | 42.9           |
| $N_j < 4$   | 803   | 25.1           |
| $N_b = 0$   | 719   | 22.5           |