

$pp \rightarrow \tilde{b}\tilde{b}, \tilde{b} \rightarrow b\tilde{\chi}_1^0$ ($m_{\tilde{b}} = 1200$ GeV, $m_{\tilde{\chi}_1^0} = 1$ GeV)

| Selection | Yield | Efficiency (%) |
|---|-------|----------------|
| Before selection | 57.3 | 100 |
| Trigger selection | 55.0 | 96.0 |
| At least one jet | 54.4 | 94.9 |
| $M_{T2} > 200$ GeV (if $N_j \geq 2$) | 44.7 | 77.9 |
| $\Delta\phi_{\min} > 0.3$ | 40.4 | 70.5 |
| $ \vec{p}_T^{\text{miss}} - \vec{H}_T^{\text{miss}} / p_T^{\text{miss}} < 0.5$ | 40.1 | 69.9 |
| Lepton veto | 39.5 | 68.9 |
| $H_T > 1000$ GeV | 28.3 | 49.4 |
| $N_j < 4$ | 13.5 | 23.5 |
| $N_b \geq 1$ | 8.12 | 14.2 |