

Selection requirement	RPV $m_{\tilde{t}} = 450$ GeV	SY \bar{Y} $m_{\tilde{t}} = 850$ GeV
No cuts	45077.0 ± 59.4	878.8 ± 4.3
Trigger and data quality	12001.0 ± 29.9	254.3 ± 2.3
Exactly 1 lepton	8947.1 ± 25.7	178.9 ± 1.9
$H_T > 300$ GeV	8872.4 ± 25.6	178.9 ± 1.9
At least 1 b-tagged jet	6816.3 ± 21.9	142.1 ± 1.7
$50 < M(\ell, b) < 250$ GeV	6053.5 ± 20.6	120.4 ± 1.5
$N_{\text{jets}} \geq 7$	4267.7 ± 17.3	113.9 ± 1.5