

Selection requirement	RPV $m_{\tilde{t}} = 450$ GeV	SY \bar{Y} $m_{\tilde{t}} = 850$ GeV
No cuts	42544.0 ± 47.4	827.6 ± 3.4
Trigger and data quality	8039.1 ± 20.3	172.1 ± 1.6
Exactly 1 lepton	6045.8 ± 17.6	121.1 ± 1.3
$H_T > 300$ GeV	6000.3 ± 17.5	121.1 ± 1.3
At least 1 b-tagged jet	4726.6 ± 15.5	97.4 ± 1.2
$50 < M(\ell, b) < 250$ GeV	4210.4 ± 14.6	83.1 ± 1.1
$N_{\text{jets}} \geq 7$	2898.2 ± 12.1	77.4 ± 1.0