

Selection requirement	RPV $m_{\tilde{t}} = 450$ GeV	SY $\bar{Y}$ $m_{\tilde{t}} = 850$ GeV
No cuts	$23127.0 \pm 25.8$	$450.3 \pm 1.9$
Trigger and data quality	$6224.3 \pm 13.1$	$134.5 \pm 1.0$
Exactly 1 lepton	$4679.4 \pm 11.3$	$94.7 \pm 0.9$
$H_T > 300$ GeV	$4641.5 \pm 11.3$	$94.7 \pm 0.9$
At least 1 b-tagged jet	$3638.2 \pm 9.9$	$76.5 \pm 0.8$
$50 < M(\ell, b) < 250$ GeV	$3239.1 \pm 9.4$	$65.4 \pm 0.7$
$N_{\text{jets}} \geq 7$	$2267.1 \pm 7.8$	$61.4 \pm 0.7$