

Selection requirement	RPV $m_{\tilde{t}} = 450$ GeV	SY $\bar{Y}$ $m_{\tilde{t}} = 850$ GeV
No cuts	$39588.0 \pm 51.4$	$770.3 \pm 3.8$
Trigger and data quality	$10994.0 \pm 26.8$	$232.7 \pm 2.0$
Exactly 1 lepton	$8102.5 \pm 22.9$	$159.5 \pm 1.7$
$H_T > 300$ GeV	$8033.7 \pm 22.8$	$159.5 \pm 1.7$
At least 1 b-tagged jet	$6414.2 \pm 20.3$	$133.9 \pm 1.5$
$50 < M(\ell, b) < 250$ GeV	$5679.5 \pm 19.0$	$112.3 \pm 1.4$
$N_{\text{jets}} \geq 7$	$3955.0 \pm 15.9$	$105.5 \pm 1.4$