

Sample	$E_T^{\text{miss}} > 150 \text{ GeV}$	$E_T^{\text{miss}} > 200 \text{ GeV}$	$E_T^{\text{miss}} > 250 \text{ GeV}$	$E_T^{\text{miss}} > 300 \text{ GeV}$
Low $\Delta M$ Selection				
$M_T$ peak data and MC (stat)	1.4	2.4	4.0	6.3
$t\bar{t} \rightarrow \ell^+\ell^- N_{\text{jets}}$ modeling	1.6	1.5	1.6	1.5
$t\bar{t} \rightarrow \ell^+\ell^-$ (CR- $l_t$ and CR- $2\ell$ tests)	5.2	7.6	13.1	19.6
2nd lepton veto	1.3	1.2	1.3	1.2
$t\bar{t} \rightarrow \ell^+\ell^-$ (stat)	1.9	3.2	5.2	8.0
W+jets cross section	1.1	1.1	1.8	2.2
W+jets (stat)	2.1	3.2	4.1	5.6
W+jets SF uncertainty	9.4	9.0	7.5	7.0
1- $l$ Top (stat)	0.6	0.9	1.1	1.5
1- $l$ Top tail-to-peak ratio	16.0	20.7	18.3	18.5
rare cross sections	2.0	2.6	3.8	5.9
<b>Total</b>	<b>19.8</b>	<b>24.6</b>	<b>25.5</b>	<b>30.9</b>
High $\Delta M$ Selection				
$M_T$ peak data and MC (stat)	3.9	4.8	6.0	8.5
$t\bar{t} \rightarrow \ell^+\ell^- N_{\text{jets}}$ modeling	0.8	0.9	1.0	0.9
$t\bar{t} \rightarrow \ell^+\ell^-$ (CR- $l_t$ and CR- $2\ell$ tests)	4.1	6.1	11.7	14.9
2nd lepton veto	0.7	0.7	0.8	0.7
$t\bar{t} \rightarrow \ell^+\ell^-$ (stat)	4.2	5.9	8.4	10.2
W+jets cross section	0.6	0.5	1.3	1.8
W+jets (stat)	3.8	4.7	5.7	7.7
W+jets SF uncertainty	11.7	10.3	8.8	8.8
1- $l$ Top (stat)	1.8	1.9	2.1	3.4
1- $l$ Top tail-to-peak ratio	17.1	21.3	20.9	17.3
rare cross sections	6.1	6.9	7.8	9.2
<b>Total</b>	<b>23.1</b>	<b>27.0</b>	<b>29.3</b>	<b>30.6</b>