

Process	$E_T^{\text{miss}} = [125-200] \text{ GeV}$		
	$5 < \ell_1 p_T < 12$	$12 < \ell_1 p_T < 20$	$20 < \ell_1 p_T < 30$
$t\bar{t}(2\ell)$	1.9 ± 0.4	11.0 ± 1.9	23.0 ± 3.5
DY+jets	2.9 ± 1.4	5.6 ± 1.9	4.6 ± 1.7
VV	0.8 ± 0.7	$4.9 +6.3 -4.8$	9.4 ± 5.4
Fakes	8.5 ± 1.9	15.0 ± 2.6	15.0 ± 2.6
tW	$0.10^{+0.16}_{-0.09}$	$0.93^{+1.0}_{-0.92}$	1.8 ± 1.7
Total SM Prediction	14.0 ± 2.3	37.0 ± 6.8	54.0 ± 6.5
DATA	16	51	67

	$E_T^{\text{miss}} = [200-300] \text{ GeV}$		
	$5 < \ell_1 p_T < 12$	$12 < \ell_1 p_T < 20$	$20 < \ell_1 p_T < 30$
$t\bar{t}(2\ell)$	1.3 ± 0.35	9.9 ± 1.2	15 ± 2.2
DY+jets	0.92 ± 0.83	2.4 ± 0.9	1.6 ± 0.6
VV	2.5 ± 1.4	7.1 ± 4.0	12.0 ± 6.2
Fakes	18.0 ± 3.2	20.0 ± 3.4	15.0 ± 2.7
tW	–	$0.79^{+0.77}_{-0.78}$	$0.89^{+0.96}_{-0.88}$
Rare	$0.52^{+0.54}_{-0.51}$	1.2 ± 1.2	$0.57^{+0.59}_{-0.56}$
Total SM Prediction	23.0 ± 3.5	41.0 ± 5.6	45.0 ± 7.0
DATA	23	40	44

	$E_T^{\text{miss}} > 300 \text{ GeV}$		
	$5 < \ell_1 p_T < 12$	$12 < \ell_1 p_T < 20$	$20 < \ell_1 p_T < 30$
$t\bar{t}(2\ell)$	0.39 ± 0.25	1.6 ± 0.5	1.6 ± 0.4
DY+jets	0.33 ± 0.26	0.28 ± 0.18	0.19 ± 0.07
VV	0.93 ± 0.53	2.5 ± 1.4	4.2 ± 2.2
Fakes	3.1 ± 1.1	5.6 ± 1.3	4.0 ± 1.3
tW	–	$0.15^{+0.18}_{-0.14}$	$0.45^{+0.50}_{-0.44}$
Total SM Prediction	4.7 ± 1.3	10.0 ± 1.9	10.0 ± 2.5
DATA	4	11	9