

$E_T^{\text{miss}}$ [GeV]	Lost-lepton	$Z \rightarrow \nu\bar{\nu}$	QCD	$t\bar{t}Z$	Total SM	Data
$M_T(b_{1,2}, \vec{p}_T^{\text{miss}}) < 175 \text{ GeV}, 5 \leq N_j \leq 6, N_b = 1$						
250-300	60 $\pm$ 6	14 $\pm$ 3	4.1 $\pm$ 1.7	0.59 $\pm$ 0.21	79 $\pm$ 7	68
300-400	23 $\pm$ 3	7.4 $\pm$ 1.9	1.5 $\pm$ 0.8	0.39 $\pm$ 0.14	32 $\pm$ 4	23
400-500	2.5 $\pm$ 1.0	1.6 $\pm$ 0.8	0.21 $\pm$ 0.15	0.08 $\pm$ 0.04	4.3 $\pm$ 1.3	5
500-600	1.9 $\pm$ 1.0	0.25 $^{+0.27}_{-0.25}$	0.14 $^{+0.15}_{-0.14}$	0.04 $\pm$ 0.02	2.3 $\pm$ 1.0	1
>600	0.28 $^{+0.31}_{-0.28}$	0.13 $^{+0.15}_{-0.13}$	0.01 $\pm$ 0.01	<0.01	0.42 $\pm$ 0.34	0
$M_T(b_{1,2}, \vec{p}_T^{\text{miss}}) < 175 \text{ GeV}, 5 \leq N_j \leq 6, N_b \geq 2$						
250-300	61 $\pm$ 6	4.7 $\pm$ 1.4	1.1 $\pm$ 0.5	0.63 $\pm$ 0.22	68 $\pm$ 6	61
300-400	24 $\pm$ 3	3.0 $\pm$ 1.0	0.44 $\pm$ 0.23	0.50 $\pm$ 0.18	28 $\pm$ 4	29
400-500	2.8 $\pm$ 1.2	0.61 $\pm$ 0.33	0.16 $\pm$ 0.13	0.12 $\pm$ 0.06	3.7 $\pm$ 1.2	7
500-600	1.7 $\pm$ 0.9	0.13 $^{+0.15}_{-0.13}$	0.05 $^{+0.06}_{-0.05}$	<0.01	1.9 $\pm$ 0.9	2
>600	0.38 $^{+0.41}_{-0.38}$	0.04 $^{+0.06}_{-0.04}$	<0.01	0.01 $\pm$ 0.01	0.43 $\pm$ 0.41	0
$M_T(b_{1,2}, \vec{p}_T^{\text{miss}}) < 175 \text{ GeV}, N_j \geq 7, N_b = 1$						
250-300	30 $\pm$ 4	3.0 $\pm$ 1.0	1.8 $\pm$ 0.6	0.79 $\pm$ 0.28	36 $\pm$ 4	34
300-400	17 $\pm$ 3	4.6 $\pm$ 1.6	1.1 $\pm$ 0.5	0.58 $\pm$ 0.21	24 $\pm$ 3	26
400-500	2.9 $\pm$ 0.9	0.82 $\pm$ 0.64	0.40 $\pm$ 0.27	0.12 $\pm$ 0.07	4.2 $\pm$ 1.1	4
500-600	1.3 $\pm$ 0.7	0.09 $^{+0.11}_{-0.09}$	0.05 $\pm$ 0.05	0.09 $\pm$ 0.05	1.5 $\pm$ 0.7	3
>600	<0.56	0.39 $^{+0.46}_{-0.39}$	0.02 $\pm$ 0.02	0.05 $\pm$ 0.03	0.46 $^{+0.72}_{-0.46}$	2
$M_T(b_{1,2}, \vec{p}_T^{\text{miss}}) < 175 \text{ GeV}, N_j \geq 7, N_b \geq 2$						
250-300	36 $\pm$ 4	0.96 $\pm$ 0.38	1.1 $\pm$ 0.5	0.83 $\pm$ 0.30	38 $\pm$ 4	33
300-400	20 $\pm$ 3	2.1 $\pm$ 0.9	0.34 $\pm$ 0.19	0.58 $\pm$ 0.22	23 $\pm$ 3	18
400-500	4.5 $\pm$ 1.4	0.15 $\pm$ 0.13	0.07 $\pm$ 0.05	0.15 $\pm$ 0.07	4.9 $\pm$ 1.4	1
500-600	1.5 $\pm$ 0.8	0.09 $^{+0.11}_{-0.09}$	0.01 $\pm$ 0.01	0.03 $\pm$ 0.03	1.6 $\pm$ 0.8	0
>600	<0.59	0.10 $^{+0.12}_{-0.10}$	0.01 $\pm$ 0.01	0.03 $\pm$ 0.02	0.13 $^{+0.60}_{-0.13}$	0
$M_T(b_{1,2}, \vec{p}_T^{\text{miss}}) \geq 175 \text{ GeV}, 5 \leq N_j \leq 6, N_t = 0, N_b = 1$						
250-300	20 $\pm$ 3	12 $\pm$ 3	0.66 $\pm$ 0.37	0.50 $\pm$ 0.19	33 $\pm$ 5	30
300-400	9.6 $\pm$ 2.3	17 $\pm$ 4	0.63 $\pm$ 0.32	0.82 $\pm$ 0.27	28 $\pm$ 4	27
400-500	4.4 $\pm$ 1.9	8.6 $\pm$ 2.6	0.52 $\pm$ 0.35	0.28 $\pm$ 0.12	14 $\pm$ 3	13
500-600	0.82 $\pm$ 0.63	3.8 $\pm$ 1.8	0.40 $\pm$ 0.35	0.09 $\pm$ 0.06	5.1 $\pm$ 1.9	3
>600	<0.4	1.2 $\pm$ 0.7	0.05 $\pm$ 0.05	0.08 $\pm$ 0.04	1.3 $\pm$ 0.8	1
$M_T(b_{1,2}, \vec{p}_T^{\text{miss}}) \geq 175 \text{ GeV}, 5 \leq N_j \leq 6, N_t = 0, N_b \geq 2$						
250-300	11 $\pm$ 2	4.5 $\pm$ 1.4	0.45 $\pm$ 0.27	0.70 $\pm$ 0.24	17 $\pm$ 3	25
300-400	4.9 $\pm$ 1.2	6.3 $\pm$ 1.8	0.37 $\pm$ 0.23	0.60 $\pm$ 0.22	12 $\pm$ 2	18
400-500	1.6 $\pm$ 0.7	3.1 $\pm$ 1.1	0.18 $\pm$ 0.17	0.31 $\pm$ 0.12	5.3 $\pm$ 1.4	6
500-600	0.29 $\pm$ 0.24	1.4 $\pm$ 0.8	0.01 $\pm$ 0.01	0.13 $\pm$ 0.06	1.9 $\pm$ 0.8	0
>600	<0.49	0.32 $\pm$ 0.20	0.01 $^{+0.02}_{-0.01}$	0.02 $\pm$ 0.02	0.36 $^{+0.53}_{-0.36}$	1
$M_T(b_{1,2}, \vec{p}_T^{\text{miss}}) \geq 175 \text{ GeV}, N_j \geq 7, N_t = 0, N_b = 1$						
250-300	8.8 $\pm$ 1.9	2.5 $\pm$ 1.0	1.2 $\pm$ 0.6	0.29 $\pm$ 0.18	13 $\pm$ 2	10
300-400	7.1 $\pm$ 1.8	3.9 $\pm$ 1.5	0.76 $\pm$ 0.46	0.42 $\pm$ 0.18	12 $\pm$ 2	20
400-500	2.0 $\pm$ 0.8	1.3 $\pm$ 0.7	0.08 $\pm$ 0.07	0.16 $\pm$ 0.09	3.6 $\pm$ 1.1	5
500-600	0.38 $^{+0.40}_{-0.38}$	0.40 $^{+0.43}_{-0.40}$	0.02 $\pm$ 0.02	<0.01	0.80 $\pm$ 0.59	1
>600	0.28 $^{+0.33}_{-0.28}$	2.2 $\pm$ 1.2	0.02 $^{+0.03}_{-0.02}$	<0.01	2.5 $\pm$ 1.2	1
$M_T(b_{1,2}, \vec{p}_T^{\text{miss}}) \geq 175 \text{ GeV}, N_j \geq 7, N_t = 0, N_b \geq 2$						
250-300	5.9 $\pm$ 1.3	1.2 $\pm$ 0.5	0.46 $\pm$ 0.24	0.57 $\pm$ 0.21	8.1 $\pm$ 1.5	13
300-400	3.8 $\pm$ 1.0	1.6 $\pm$ 0.7	0.08 $\pm$ 0.06	0.70 $\pm$ 0.26	6.2 $\pm$ 1.2	6
400-500	1.5 $\pm$ 0.6	0.48 $\pm$ 0.27	0.01 $\pm$ 0.01	0.28 $\pm$ 0.12	2.2 $\pm$ 0.7	2
500-600	0.22 $^{+0.25}_{-0.22}$	0.11 $^{+0.12}_{-0.11}$	0.01 $\pm$ 0.01	0.18 $\pm$ 0.08	0.51 $\pm$ 0.29	0
>600	0.06 $^{+0.07}_{-0.06}$	0.73 $\pm$ 0.44	0.02 $^{+0.03}_{-0.02}$	0.02 $^{+0.03}_{-0.02}$	0.84 $\pm$ 0.45	1
$M_T(b_{1,2}, \vec{p}_T^{\text{miss}}) \geq 175 \text{ GeV}, N_j \geq 5, N_t \geq 1, N_b = 1$						
250-300	1.2 $\pm$ 0.5	0.30 $\pm$ 0.25	0.26 $\pm$ 0.21	0.02 $^{+0.03}_{-0.02}$	1.8 $\pm$ 0.6	0
300-400	1.5 $\pm$ 0.7	0.34 $\pm$ 0.26	0.02 $\pm$ 0.01	0.14 $\pm$ 0.06	2.0 $\pm$ 0.8	0
400-500	0.73 $\pm$ 0.40	0.20 $^{+0.22}_{-0.20}$	0.13 $^{+0.17}_{-0.13}$	0.04 $^{+0.05}_{-0.04}$	1.1 $\pm$ 0.5	1
500-600	0.25 $\pm$ 0.22	0.54 $\pm$ 0.34	0.12 $^{+0.16}_{-0.12}$	0.10 $\pm$ 0.06	1.0 $\pm$ 0.4	4
>600	0.15 $^{+0.33}_{-0.15}$	0.59 $\pm$ 0.49	0.07 $\pm$ 0.07	0.11 $\pm$ 0.05	0.92 $\pm$ 0.60	1
$M_T(b_{1,2}, \vec{p}_T^{\text{miss}}) \geq 175 \text{ GeV}, N_j \geq 5, N_t \geq 1, N_b \geq 2$						
250-300	0.66 $\pm$ 0.26	0.11 $\pm$ 0.09	0.06 $\pm$ 0.05	0.09 $\pm$ 0.05	0.92 $\pm$ 0.29	3
300-400	0.92 $\pm$ 0.39	0.12 $\pm$ 0.10	0.03 $\pm$ 0.03	0.14 $\pm$ 0.08	1.2 $\pm$ 0.4	3
400-500	0.31 $\pm$ 0.17	0.03 $^{+0.04}_{-0.03}$	<0.01	0.09 $\pm$ 0.06	0.43 $\pm$ 0.18	0
500-600	0.30 $\pm$ 0.30	0.30 $\pm$ 0.21	<0.01	0.09 $\pm$ 0.04	0.70 $\pm$ 0.37	0
>600	0.13 $^{+0.29}_{-0.13}$	0.37 $\pm$ 0.32	<0.01	0.12 $\pm$ 0.05	0.62 $\pm$ 0.43	1