

N_j, N_b	$M_{T2} [\text{GeV}]$	$Z \rightarrow \nu\bar{\nu}$	Lost lepton	Multijet	Total background	Data
2 – 3j, 0b	200 – 400	$24 \pm 2(\text{stat.}) \pm 6(\text{syst.})$	$16 \pm 3(\text{stat.}) \pm 4(\text{syst.})$	$10^{+1}_{-0}(\text{stat.}) \pm 3(\text{syst.})$	$50 \pm 4(\text{stat.}) \pm 8(\text{syst.})$	55
	400 – 600	$5.6 \pm 0.5(\text{stat.}) \pm 1.6(\text{syst.})$	$2.3^{+0.5}_{-0.4}(\text{stat.}) \pm 0.6(\text{syst.})$	$0.4 \pm 0.1(\text{stat.}) \pm 0.1(\text{syst.})$	$8.4^{+0.7}_{-0.6}(\text{stat.}) \pm 1.7(\text{syst.})$	14
	600 – 800	$1.8 \pm 0.2(\text{stat.}) \pm 0.6(\text{syst.})$	$1.7^{+0.4}_{-0.3}(\text{stat.}) \pm 0.7(\text{syst.})$	$0.1 \pm 0.0(\text{stat.}) \pm 0.0(\text{syst.})$	$3.5^{+0.4}_{-0.3}(\text{stat.}) \pm 0.9(\text{syst.})$	1
	800 – 1000	$0.8 \pm 0.1(\text{stat.}) \pm 0.4(\text{syst.})$	$0.8^{+0.2}_{-0.1}(\text{stat.}) \pm 0.5(\text{syst.})$	$0.01^{+0.02}_{-0.01}(\text{stat.}) \pm 0.01(\text{syst.})$	$1.6 \pm 0.2(\text{stat.}) \pm 0.6(\text{syst.})$	1
	> 1000	$0.7 \pm 0.1(\text{stat.}) \pm 0.4(\text{syst.})$	$0.5 \pm 0.1(\text{stat.}) \pm 0.3(\text{syst.})$	$0.00^{+0.01}_{-0.00}(\text{stat.}) \pm 0.00(\text{syst.})$	$1.2 \pm 0.1(\text{stat.}) \pm 0.5(\text{syst.})$	3
2 – 3j, 1b	200 – 400	$4.4^{+1.1}_{-0.9}(\text{stat.}) \pm 1.5(\text{syst.})$	$4.2^{+2.2}_{-1.5}(\text{stat.}) \pm 1.9(\text{syst.})$	$3.6 \pm 0.2(\text{stat.}) \pm 1.3(\text{syst.})$	$12 \pm 2(\text{stat.}) \pm 3(\text{syst.})$	18
	400 – 600	$0.9 \pm 0.2(\text{stat.}) \pm 0.4(\text{syst.})$	$1.1^{+0.6}_{-0.4}(\text{stat.}) \pm 0.6(\text{syst.})$	$0.1 \pm 0.0(\text{stat.}) \pm 0.1(\text{syst.})$	$2.2^{+0.6}_{-0.5}(\text{stat.}) \pm 0.7(\text{syst.})$	2
	> 600	$0.6^{+0.2}_{-0.1}(\text{stat.}) \pm 0.4(\text{syst.})$	$0.4 \pm 0.2(\text{stat.}) \pm 0.3(\text{syst.})$	$0.03 \pm 0.01(\text{stat.}) \pm 0.01(\text{syst.})$	$1.1^{+0.3}_{-0.2}(\text{stat.}) \pm 0.5(\text{syst.})$	1
2 – 3j, 2b	> 200	$0.7^{+1.6}_{-0.6}(\text{stat.})^{+0.6}_{-0.7}(\text{syst.})$	$0.0^{+1.5}_{-0.0}(\text{stat.}) \pm 0.0(\text{syst.})$	$0.6 \pm 0.0(\text{stat.}) \pm 0.3(\text{syst.})$	$1.3^{+2.2}_{-0.6}(\text{stat.})^{+0.6}_{-0.7}(\text{syst.})$	4
4 – 6j, 0b	200 – 400	$30 \pm 2(\text{stat.}) \pm 8(\text{syst.})$	$34^{+2}_{-4}(\text{stat.}) \pm 7(\text{syst.})$	$84 \pm 4(\text{stat.}) \pm 14(\text{syst.})$	$148^{+7}_{-6}(\text{stat.}) \pm 17(\text{syst.})$	106
	400 – 600	$8.4^{+0.7}_{-0.6}(\text{stat.}) \pm 2.4(\text{syst.})$	$4.6 \pm 0.6(\text{stat.}) \pm 1.1(\text{syst.})$	$3.2^{+0.7}_{-0.6}(\text{stat.}) \pm 0.7(\text{syst.})$	$16 \pm 1(\text{stat.}) \pm 3(\text{syst.})$	17
	600 – 800	$3.1^{+0.3}_{-0.2}(\text{stat.}) \pm 1.1(\text{syst.})$	$0.9 \pm 0.1(\text{stat.}) \pm 0.3(\text{syst.})$	$0.6^{+0.3}_{-0.2}(\text{stat.}) \pm 0.2(\text{syst.})$	$4.6^{+0.4}_{-0.3}(\text{stat.}) \pm 1.1(\text{syst.})$	5
	800 – 1000	$1.2 \pm 0.1(\text{stat.}) \pm 0.5(\text{syst.})$	$0.4^{+0.1}_{-0.0}(\text{stat.}) \pm 0.2(\text{syst.})$	$0.1^{+0.2}_{-0.1}(\text{stat.}) \pm 0.0(\text{syst.})$	$1.7^{+0.2}(\text{stat.}) \pm 0.6(\text{syst.})$	0
	> 1000	$0.9 \pm 0.1(\text{stat.}) \pm 0.5(\text{syst.})$	$0.3 \pm 0.0(\text{stat.}) \pm 0.2(\text{syst.})$	$0.0^{+0.1}_{-0.0}(\text{stat.}) \pm 0.0(\text{syst.})$	$1.2 \pm 0.1(\text{stat.}) \pm 0.5(\text{syst.})$	2
4 – 6j, 1b	200 – 400	$9.1^{+1.6}_{-1.4}(\text{stat.})^{+2.8}_{-2.9}(\text{syst.})$	$11^{+3}_{-2}(\text{stat.}) \pm 3(\text{syst.})$	$41 \pm 2(\text{stat.}) \pm 10(\text{syst.})$	$61^{+4}_{-3}(\text{stat.}) \pm 11(\text{syst.})$	56
	400 – 600	$1.6^{+0.3}_{-0.2}(\text{stat.}) \pm 0.6(\text{syst.})$	$1.7^{+0.4}_{-0.3}(\text{stat.}) \pm 0.6(\text{syst.})$	$1.5 \pm 0.3(\text{stat.}) \pm 0.4(\text{syst.})$	$4.8^{+0.6}_{-0.5}(\text{stat.})^{+0.9}_{-1.0}(\text{syst.})$	10
	> 600	$1.2 \pm 0.2(\text{stat.}) \pm 0.6(\text{syst.})$	$0.8 \pm 0.2(\text{stat.}) \pm 0.5(\text{syst.})$	$0.4^{+0.2}_{-0.1}(\text{stat.}) \pm 0.1(\text{syst.})$	$2.4 \pm 0.3(\text{stat.}) \pm 0.8(\text{syst.})$	5
4 – 6j, 2b	200 – 400	$1.3^{+0.5}_{-0.4}(\text{stat.}) \pm 0.7(\text{syst.})$	$4.6^{+1.8}_{-1.3}(\text{stat.}) \pm 1.7(\text{syst.})$	$11 \pm 1(\text{stat.}) \pm 4(\text{syst.})$	$17^{+2}_{-1}(\text{stat.}) \pm 4(\text{syst.})$	12
	400 – 600	$0.3 \pm 0.1(\text{stat.}) \pm 0.2(\text{syst.})$	$0.7^{+0.3}_{-0.2}(\text{stat.}) \pm 0.4(\text{syst.})$	$0.4 \pm 0.1(\text{stat.}) \pm 0.2(\text{syst.})$	$1.4^{+0.3}_{-0.2}(\text{stat.}) \pm 0.5(\text{syst.})$	5
	> 600	$0.3 \pm 0.1(\text{stat.}) \pm 0.2(\text{syst.})$	$0.4^{+0.2}_{-0.1}(\text{stat.}) \pm 0.4(\text{syst.})$	$0.1 \pm 0.0(\text{stat.}) \pm 0.0(\text{syst.})$	$0.8^{+0.2}_{-0.1}(\text{stat.}) \pm 0.4(\text{syst.})$	1
$\geq 7j, 0b$	200 – 400	$6.4^{+1.2}_{-1.0}(\text{stat.})^{+3.0}_{-3.5}(\text{syst.})$	$10^{+3}_{-2}(\text{stat.}) \pm 3(\text{syst.})$	$32 \pm 2(\text{stat.}) \pm 8(\text{syst.})$	$48^{+4}_{-3}(\text{stat.}) \pm 9(\text{syst.})$	39
	> 400	$2.8^{+0.5}_{-0.4}(\text{stat.})^{+1.7}_{-1.9}(\text{syst.})$	$1.5^{+0.5}_{-0.4}(\text{stat.}) \pm 0.7(\text{syst.})$	$1.5^{+0.3}_{-0.2}(\text{stat.}) \pm 0.4(\text{syst.})$	$5.8^{+0.7}_{-0.6}(\text{stat.})^{+1.9}_{-2.0}(\text{syst.})$	10
$\geq 7j, 1b$	200 – 400	$1.7^{+0.5}_{-0.4}(\text{stat.})^{+0.9}_{-1.0}(\text{syst.})$	$12^{+3}_{-2}(\text{stat.}) \pm 3(\text{syst.})$	$20 \pm 1(\text{stat.}) \pm 6(\text{syst.})$	$33^{+3}_{-2}(\text{stat.}) \pm 7(\text{syst.})$	19
	> 400	$1.0^{+0.3}_{-0.2}(\text{stat.})^{+0.6}_{-0.7}(\text{syst.})$	$1.7^{+0.4}_{-0.3}(\text{stat.}) \pm 0.8(\text{syst.})$	$0.9^{+0.2}_{-0.1}(\text{stat.}) \pm 0.3(\text{syst.})$	$3.6^{+0.5}_{-0.4}(\text{stat.}) \pm 1.1(\text{syst.})$	9
$\geq 7j, 2b$	200 – 400	$0.5^{+0.4}_{-0.3}(\text{stat.})^{+0.3}_{-0.4}(\text{syst.})$	$8.6^{+1.9}_{-1.6}(\text{stat.}) \pm 2.3(\text{syst.})$	$6.7 \pm 0.3(\text{stat.}) \pm 2.8(\text{syst.})$	$16 \pm 2(\text{stat.}) \pm 4(\text{syst.})$	15
	> 400	$0.2^{+0.2}_{-0.1}(\text{stat.}) \pm 0.2(\text{syst.})$	$1.2^{+0.3}_{-0.2}(\text{stat.}) \pm 0.6(\text{syst.})$	$0.3^{+0.1}_{-0.0}(\text{stat.}) \pm 0.1(\text{syst.})$	$1.7 \pm 0.3(\text{stat.}) \pm 0.7(\text{syst.})$	3
2 – 6j, $\geq 3b$	200 – 400	$0.00 \pm 0.00(\text{stat.}) \pm 0.00(\text{syst.})$	$2.5^{+1.9}_{-1.2}(\text{stat.}) \pm 1.6(\text{syst.})$	$1.5 \pm 0.1(\text{stat.}) \pm 1.1(\text{syst.})$	$4.0^{+1.9}_{-1.2}(\text{stat.}) \pm 1.9(\text{syst.})$	4
	> 400	$0.00 \pm 0.00(\text{stat.}) \pm 0.00(\text{syst.})$	$0.4^{+0.3}_{-0.2}(\text{stat.}) \pm 0.3(\text{syst.})$	$0.1 \pm 0.0(\text{stat.}) \pm 0.1(\text{syst.})$	$0.5^{+0.3}_{-0.2}(\text{stat.}) \pm 0.3(\text{syst.})$	0
$\geq 7j, \geq 3b$	200 – 400	$0.0^{+0.1}_{-0.0}(\text{stat.}) \pm 0.0(\text{syst.})$	$2.6^{+0.6}_{-0.5}(\text{stat.}) \pm 0.9(\text{syst.})$	$1.7 \pm 0.1(\text{stat.}) \pm 1.3(\text{syst.})$	$4.3^{+0.6}_{-0.5}(\text{stat.}) \pm 1.6(\text{syst.})$	3
	> 400	$0.0^{+0.1}_{-0.0}(\text{stat.}) \pm 0.0(\text{syst.})$	$0.2 \pm 0.0(\text{stat.}) \pm 0.1(\text{syst.})$	$0.1 \pm 0.0(\text{stat.}) \pm 0.1(\text{syst.})$	$0.2^{+0.1}_{-0.0}(\text{stat.}) \pm 0.1(\text{syst.})$	1