

Signal region	$0\ell, 1 \text{ b tag}$	$0\ell, 2 \text{ b tag}$	$0\ell, \geq 3 \text{ b tag}$	$2\ell, 1 \text{ b tag}$	$2\ell, 2 \text{ b tag}$	$2\ell, \geq 3 \text{ b tag}$
Data	2452 ± 50	398 ± 20	45 ± 7	$10\,512 \pm 103$	2188 ± 47	129 ± 11
Z+jets	740 ± 12	48 ± 1	2.0 ± 0.2	4118 ± 15	175 ± 1	18 ± 1
Z+b	220 ± 6	13 ± 1	0.46 ± 0.06	4127 ± 18	365 ± 3	23 ± 1
Z+b \bar{b}	134 ± 3	86 ± 2	2.5 ± 0.3	1547 ± 11	1113 ± 7	51 ± 2
t+X	74 ± 3	18 ± 1	3.0 ± 0.4	25 ± 0	10.0 ± 0.1	-
t \bar{t}	750 ± 12	143 ± 3	31 ± 3	592 ± 3	473 ± 3	26 ± 1
VV, Vh	76 ± 2	32 ± 1	0.93 ± 0.11	139 ± 1	53 ± 1	3.5 ± 0.1
W+jets	458 ± 13	65 ± 3	2.4 ± 0.3	3.7 ± 0.1	—	—
Total bkg.	2451 ± 26	405 ± 8	42 ± 5	$10\,552 \pm 35$	2189 ± 12	121 ± 3
Pre-fit bkg.	2467 ± 26	427 ± 8	28 ± 5	$10\,740 \pm 35$	2250 ± 12	100 ± 3
$m_A = 300 \text{ GeV}$	—	—	—	3.1 ± 0.2	3.3 ± 0.2	0.10 ± 0.01
$m_A = 1000 \text{ GeV}$	27.3 ± 5.2	28.6 ± 5.4	3.5 ± 0.7	5.4 ± 1.0	6.1 ± 1.2	1.2 ± 0.2