

Final state	Signal full mass range	Signal	$ZZ^*$	$Z + \text{jets}, t\bar{t}$	$S/B$	Expected	Observed
$\sqrt{s} = 7 \text{ TeV}$							
$4\mu$	$1.00 \pm 0.10$	$0.91 \pm 0.09$	$0.46 \pm 0.02$	$0.10 \pm 0.04$	1.7	$1.47 \pm 0.10$	2
$2e2\mu$	$0.66 \pm 0.06$	$0.58 \pm 0.06$	$0.32 \pm 0.02$	$0.09 \pm 0.03$	1.5	$0.99 \pm 0.07$	2
$2\mu 2e$	$0.50 \pm 0.05$	$0.44 \pm 0.04$	$0.21 \pm 0.01$	$0.36 \pm 0.08$	0.8	$1.01 \pm 0.09$	1
$4e$	$0.46 \pm 0.05$	$0.39 \pm 0.04$	$0.19 \pm 0.01$	$0.40 \pm 0.09$	0.7	$0.98 \pm 0.10$	1
Total	$2.62 \pm 0.26$	$2.32 \pm 0.23$	$1.17 \pm 0.06$	$0.96 \pm 0.18$	1.1	$4.45 \pm 0.30$	6
$\sqrt{s} = 8 \text{ TeV}$							
$4\mu$	$5.80 \pm 0.57$	$5.28 \pm 0.52$	$2.36 \pm 0.12$	$0.69 \pm 0.13$	1.7	$8.33 \pm 0.6$	12
$2e2\mu$	$3.92 \pm 0.39$	$3.45 \pm 0.34$	$1.67 \pm 0.08$	$0.60 \pm 0.10$	1.5	$5.72 \pm 0.37$	7
$2\mu 2e$	$3.06 \pm 0.31$	$2.71 \pm 0.28$	$1.17 \pm 0.07$	$0.36 \pm 0.08$	1.8	$4.23 \pm 0.30$	5
$4e$	$2.79 \pm 0.29$	$2.38 \pm 0.25$	$1.03 \pm 0.07$	$0.35 \pm 0.07$	1.7	$3.77 \pm 0.27$	7
Total	$15.6 \pm 1.6$	$13.8 \pm 1.4$	$6.24 \pm 0.34$	$2.00 \pm 0.28$	1.7	$22.1 \pm 1.5$	31
$\sqrt{s} = 7 \text{ TeV and } \sqrt{s} = 8 \text{ TeV}$							
$4\mu$	$6.80 \pm 0.67$	$6.20 \pm 0.61$	$2.82 \pm 0.14$	$0.79 \pm 0.13$	1.7	$9.81 \pm 0.64$	14
$2e2\mu$	$4.58 \pm 0.45$	$4.04 \pm 0.40$	$1.99 \pm 0.10$	$0.69 \pm 0.11$	1.5	$6.72 \pm 0.42$	9
$2\mu 2e$	$3.56 \pm 0.36$	$3.15 \pm 0.32$	$1.38 \pm 0.08$	$0.72 \pm 0.12$	1.5	$5.24 \pm 0.35$	6
$4e$	$3.25 \pm 0.34$	$2.77 \pm 0.29$	$1.22 \pm 0.08$	$0.76 \pm 0.11$	1.4	$4.75 \pm 0.32$	8
Total	$18.2 \pm 1.8$	$16.2 \pm 1.6$	$7.41 \pm 0.40$	$2.95 \pm 0.33$	1.6	$26.5 \pm 1.7$	37