

Category	$2\ell ss$									
	b-tag	no req.		Loose				Tight		
Leptons	ee		e $\mu$		$\mu\mu$		e $\mu$		$\mu\mu$	
Charge	-	+	-	+	-	+	-	+	-	+
tH	$3.3 \pm 1.5$	$3.4 \pm 1.8$	$6.5 \pm 3.2$	$6.1 \pm 3.0$	$4.2 \pm 2.2$	$4.4 \pm 2.2$	$4.56 \pm 2.2$	$4.7 \pm 2.5$	$3.1 \pm 1.7$	$2.8 \pm 1.4$
tW + t $\bar{W}$ WW	$13.6 \pm 2.4$	$20.8 \pm 3.9$	$24.1 \pm 4.5$	$40.8 \pm 7.9$	$14.9 \pm 2.6$	$25.9 \pm 5.0$	$16.5 \pm 2.8$	$31.5 \pm 5.3$	$11.7 \pm 2.0$	$18.7 \pm 3.4$
tH	$0.1 \pm 0.0$	$0.2 \pm 0.0$	$0.3 \pm 0.0$	$0.4 \pm 0.0$	$0.3 \pm 0.1$	$0.5 \pm 0.0$	$0.2 \pm 0.0$	$0.2 \pm 0.0$	$0.1 \pm 0.0$	$0.1 \pm 0.0$
WZ + ZZ	$< 0.05$	$< 0.05$	$< 0.05$	$< 0.05$	$< 0.05$	$< 0.05$	$< 0.05$	$< 0.05$	$< 0.05$	$< 0.05$
t $\bar{Z}/\gamma^*$	$17.9 \pm 2.9$	$17.6 \pm 2.7$	$20.0 \pm 3.1$	$23.1 \pm 3.8$	$7.6 \pm 1.2$	$8.7 \pm 1.4$	$14.8 \pm 2.4$	$17.0 \pm 2.7$	$5.9 \pm 1.0$	$5.7 \pm 0.9$
Misidentified	$7.9 \pm 2.1$	$10.4 \pm 2.5$	$26.6 \pm 4.3$	$28.3 \pm 4.8$	$20.6 \pm 4.4$	$18.2 \pm 3.9$	$5.6 \pm 1.9$	$6.6 \pm 1.9$	$3.7 \pm 1.6$	$4.2 \pm 1.8$
Conversions	$1.52 \pm 0.5$	$2.2 \pm 1.8$	$2.5 \pm 0.9$	$3.5 \pm 2.1$	$< 0.05$	$< 0.05$	$0.9 \pm 0.3$	$1.1 \pm 0.3$	$< 0.05$	$< 0.05$
Signal flip	$4.5 \pm 1.1$	$4.6 \pm 1.1$	$3.7 \pm 0.9$	$3.8 \pm 1.0$	$< 0.05$	$< 0.05$	$3.1 \pm 0.8$	$3.1 \pm 0.8$	$< 0.05$	$< 0.05$
Other	$1.4 \pm 0.6$	$2.5 \pm 1.1$	$4.6 \pm 2.0$	$5.7 \pm 2.2$	$1.7 \pm 0.6$	$3.3 \pm 1.3$	$2.2 \pm 0.9$	$2.4 \pm 1.0$	$1.1 \pm 0.5$	$1.8 \pm 0.8$
SM expectation	$50.2 \pm 4.7$	$61.7 \pm 6.1$	$88.3 \pm 8.0$	$111.6 \pm 10.9$	$49.2 \pm 5.7$	$61.0 \pm 7.0$	$47.8 \pm 4.9$	$66.5 \pm 6.9$	$25.6 \pm 3.2$	$33.4 \pm 4.3$
Observed data	54	67	86	108	41	79	50	70	32	27