

$\geq 4$ leptons	$m_{\ell+\ell^-}$	$E_T^{\text{miss}}$ (GeV)	$N_{\tau_h} = 0, N_b = 0$		$N_{\tau_h} = 1, N_b = 0$		$N_{\tau_h} = 0, N_b \geq 1$		$N_{\tau_h} = 1, N_b \geq 1$	
			Obs.	Exp.	Obs.	Exp.	Obs.	Exp.	Obs.	Exp.
OSSF0	—	(100, $\infty$ )	0	$0.07 \pm 0.07$	0	$0.18 \pm 0.09$	0	$0.05 \pm 0.05$	0	$0.16 \pm 0.10$
OSSF0	—	(50, 100)	0	$0.07 \pm 0.06$	2	$0.80 \pm 0.35$	0	$0.00^{+0.03}_{-0.00}$	0	$0.43 \pm 0.22$
OSSF0	—	(30, 50)	0	$0.001^{+0.020}_{-0.001}$	0	$0.47 \pm 0.24$	0	$0.00^{+0.02}_{-0.00}$	0	$0.11 \pm 0.09$
OSSF0	—	(0, 30)	0	$0.007^{+0.020}_{-0.007}$	1	$0.40 \pm 0.16$	0	$0.001^{+0.020}_{-0.001}$	0	$0.02^{+0.04}_{-0.02}$
OSSF1	Off-Z	(100, $\infty$ )	0	$0.07 \pm 0.04$	4	$1.00 \pm 0.33$	0	$0.14 \pm 0.09$	0	$0.46 \pm 0.20$
OSSF1	On-Z	(100, $\infty$ )	2	$0.6 \pm 0.2$	2	$3.4 \pm 0.8$	1	$0.80 \pm 0.41$	0	$0.60 \pm 0.26$
OSSF1	Off-Z	(50, 100)	0	$0.21 \pm 0.09$	5	$2.6 \pm 0.6$	0	$0.21 \pm 0.11$	1	$0.70 \pm 0.32$
OSSF1	On-Z	(50, 100)	2	$1.30 \pm 0.39$	10	$12.0 \pm 2.5$	2	$0.60 \pm 0.33$	1	$0.8 \pm 0.3$
OSSF1	Off-Z	(30, 50)	1	$0.16 \pm 0.07$	4	$2.4 \pm 0.5$	0	$0.06 \pm 0.06$	0	$0.47 \pm 0.21$
OSSF1	On-Z	(30, 50)	3	$1.20 \pm 0.35$	11	$14.0 \pm 3.1$	0	$0.22 \pm 0.12$	0	$0.80 \pm 0.31$
OSSF1	Off-Z	(0, 30)	1	$0.38 \pm 0.18$	11	$5.7 \pm 1.7$	0	$0.05 \pm 0.04$	0	$0.50 \pm 0.26$
OSSF1	On-Z	(0, 30)	1	$2.0 \pm 0.5$	32	$30.0 \pm 9.2$	1	$0.19 \pm 0.11$	3	$1.30 \pm 0.42$
OSSF2	Two on-Z	(100, $\infty$ )	0	$0.02 \pm 0.15$	—	—	0	$0.21 \pm 0.13$	—	—
OSSF2	One on-Z	(100, $\infty$ )	1	$0.43 \pm 0.15$	—	—	0	$0.50 \pm 0.29$	—	—
OSSF2	Off-Z	(100, $\infty$ )	0	$0.06 \pm 0.03$	—	—	0	$0.09 \pm 0.07$	—	—
OSSF2	Two on-Z	(50, 100)	3	$2.8 \pm 2.1$	—	—	0	$0.33 \pm 0.11$	—	—
OSSF2	One on-Z	(50, 100)	1	$2.0 \pm 0.7$	—	—	1	$0.50 \pm 0.28$	—	—
OSSF2	Off-Z	(50, 100)	2	$0.20 \pm 0.14$	—	—	0	$0.12 \pm 0.10$	—	—
OSSF2	Two on-Z	(30, 50)	19	$22 \pm 9$	—	—	2	$0.70 \pm 0.24$	—	—
OSSF2	One on-Z	(30, 50)	6	$6.5 \pm 2.4$	—	—	0	$0.32 \pm 0.12$	—	—
OSSF2	Off-Z	(30, 50)	3	$1.4 \pm 0.6$	—	—	1	$0.15 \pm 0.08$	—	—
OSSF2	Two on-Z	(0, 30)	118	$109 \pm 28$	—	—	3	$2.0 \pm 0.5$	—	—
OSSF2	One on-Z	(0, 30)	24	$29.0 \pm 7.6$	—	—	1	$0.60 \pm 0.17$	—	—
OSSF2	Off-Z	(0, 30)	5	$7.8 \pm 2.3$	—	—	0	$0.18 \pm 0.06$	—	—