

Year	$\Delta m$ (GeV)	BDT $>$	$Y_p^{\text{SR}}(\text{W+jets})$	$Y_p^{\text{SR}}(\text{t}\bar{\text{t}})$	$Y_{\text{np}}^{\text{SR}}$	$N^{\text{SR}}(\text{Other})$	$N^{\text{SR}}(\text{Total})$	$N^{\text{SR}}(\text{Observed})$
2017	10	0.31	$11.0 \pm 2.4$	$2.2 \pm 2.9$	$20.1 \pm 3.5$	$5.4 \pm 3.7$	$38.8 \pm 6.3$	49
	20	0.32	$37.4 \pm 4.6$	$3.3 \pm 5.2$	$49.6 \pm 7.0$	$18.4 \pm 9.3$	$109 \pm 14$	116
	30	0.38	$23.8 \pm 3.8$	$0.0 \pm 7.2$	$41.7 \pm 6.1$	$19.4 \pm 9.9$	$85 \pm 14$	86
	40	0.40	$15.9 \pm 2.6$	$0.0 \pm 8.1$	$32.6 \pm 5.5$	$20 \pm 10$	$69 \pm 15$	66
	50	0.43	$10.9 \pm 2.0$	$0.0 \pm 6.7$	$22.3 \pm 4.0$	$17.9 \pm 9.2$	$51 \pm 12$	48
	60	0.47	$3.9 \pm 0.8$	$0.0 \pm 6.2$	$7.6 \pm 2.2$	$10.3 \pm 5.4$	$21.8 \pm 8.5$	23
	70	0.39	$11.1 \pm 2.0$	$8.9 \pm 7.6$	$12.9 \pm 2.9$	$19.7 \pm 9.8$	$53 \pm 13$	50
	80	0.41	$15.6 \pm 4.3$	$10.3 \pm 9.7$	$8.3 \pm 2.2$	$17.1 \pm 8.2$	$51 \pm 14$	51
2018	10	0.32	$17.3 \pm 4.3$	$0.0 \pm 2.4$	$16.7 \pm 3.6$	$7.1 \pm 4.5$	$41.1 \pm 7.6$	77
	20	0.39	$18.4 \pm 2.8$	$0.3 \pm 3.1$	$14.5 \pm 3.4$	$6.3 \pm 3.5$	$39.4 \pm 6.4$	57
	30	0.35	$48.5 \pm 8.1$	$9.1 \pm 9.4$	$22.5 \pm 4.8$	$33 \pm 14$	$114 \pm 19$	127
	40	0.43	$10.7 \pm 3.1$	$3.4 \pm 4.5$	$11.7 \pm 2.9$	$12.3 \pm 6.7$	$38.1 \pm 9.1$	49
	50	0.46	$8.7 \pm 3.0$	$3.4 \pm 4.5$	$10.5 \pm 2.8$	$10.3 \pm 5.2$	$32.9 \pm 8.0$	36
	60	0.41	$16.5 \pm 4.7$	$16.2 \pm 8.8$	$17.3 \pm 3.8$	$22 \pm 10$	$72 \pm 15$	61
	70	0.40	$35.6 \pm 8.7$	$15.2 \pm 8.6$	$16.9 \pm 5.2$	$30 \pm 12$	$97 \pm 18$	96
	80	0.42	$16.3 \pm 3.7$	$10.9 \pm 7.8$	$10.7 \pm 4.3$	$21.5 \pm 9.8$	$59 \pm 14$	41