

Year	Signal (ZZjj EW)	Z+X	$q\bar{q} \rightarrow ZZjj$ QCD	$gg \rightarrow ZZjj$ QCD	$t\bar{t} + VVZ$	Total predicted	Data
ZZjj inclusive							
2016	$6.3 \pm 0.7$	$2.8 \pm 1.1$	$65.6 \pm 9.5$	$13.5 \pm 2.0$	$8.4 \pm 2.2$	$97 \pm 13$	95
2017	$7.4 \pm 0.8$	$2.4 \pm 0.9$	$77.7 \pm 11.2$	$20.3 \pm 3.0$	$9.6 \pm 2.5$	$117 \pm 15$	121
2018	$10.4 \pm 1.1$	$4.1 \pm 1.6$	$98.1 \pm 14.2$	$29.1 \pm 4.3$	$14.2 \pm 3.8$	$156 \pm 20$	159
all	$24.1 \pm 2.5$	$9.4 \pm 3.6$	$241.5 \pm 34.9$	$62.9 \pm 9.3$	$32.2 \pm 8.5$	$370 \pm 48$	375
VBS signal-enriched (loose)							
2016	$4.2 \pm 0.4$	$0.4 \pm 0.2$	$9.7 \pm 1.4$	$3.2 \pm 0.5$	$1.1 \pm 0.3$	$18.7 \pm 2.3$	21
2017	$4.9 \pm 0.5$	$0.5 \pm 0.2$	$13.5 \pm 1.9$	$5.5 \pm 0.8$	$1.2 \pm 0.3$	$25.5 \pm 3.1$	17
2018	$6.9 \pm 0.7$	$0.8 \pm 0.3$	$14.9 \pm 2.2$	$8.3 \pm 1.2$	$1.7 \pm 0.5$	$32.6 \pm 3.9$	30
all	$16.0 \pm 1.7$	$1.6 \pm 0.6$	$38.1 \pm 5.5$	$17.0 \pm 2.5$	$4.1 \pm 1.1$	$76.8 \pm 9.3$	68
VBS signal-enriched (tight)							
2016	$1.1 \pm 0.1$	$0.05 \pm 0.02$	$1.9 \pm 0.3$	$1.0 \pm 0.1$	$0.13 \pm 0.03$	$4.2 \pm 0.5$	4
2017	$1.2 \pm 0.1$	$0.05 \pm 0.02$	$3.6 \pm 0.5$	$1.8 \pm 0.3$	$0.13 \pm 0.03$	$6.7 \pm 0.8$	2
2018	$1.7 \pm 0.2$	$0.12 \pm 0.04$	$2.6 \pm 0.4$	$2.2 \pm 0.3$	$0.19 \pm 0.05$	$6.8 \pm 0.8$	11
all	$3.9 \pm 0.4$	$0.22 \pm 0.08$	$8.1 \pm 1.2$	$4.9 \pm 0.7$	$0.45 \pm 0.12$	$17.6 \pm 2.1$	17