

Process		No b-tag			b-tag		
		Low- $D_\zeta$	Medium- $D_\zeta$	High- $D_\zeta$	Low- $D_\zeta$	Medium- $D_\zeta$	High- $D_\zeta$
$\phi \rightarrow \tau\tau$ (signal)	125 GeV	114 $\pm$ 5	200 $\pm$ 8	36.2 $\pm$ 1.5	16 $\pm$ 1	29 $\pm$ 1	7.5 $\pm$ 0.4
	350 GeV	250 $\pm$ 10	600 $\pm$ 22	160 $\pm$ 7	56 $\pm$ 3	120 $\pm$ 5	52 $\pm$ 4
	700 GeV	300 $\pm$ 10	710 $\pm$ 27	315 $\pm$ 13	76 $\pm$ 5	140 $\pm$ 6	110 $\pm$ 7
H $\rightarrow \tau\tau$ (SM)	1500 GeV	260 $\pm$ 6	680 $\pm$ 10	500 $\pm$ 8	64 $\pm$ 2.5	160 $\pm$ 4.5	215 $\pm$ 5.5
	gg $\rightarrow$ H	184 $\pm$ 12	340 $\pm$ 20	70 $\pm$ 4	3.4 $\pm$ 0.2	6.6 $\pm$ 0.5	3.4 $\pm$ 0.2
	VBF	13 $\pm$ 0.6	26 $\pm$ 1.1	18 $\pm$ 0.8	0.6 $\pm$ 0.03	1.0 $\pm$ 0.04	0.9 $\pm$ 0.04
$Z \rightarrow \tau\tau$		42520 $\pm$ 1600	71290 $\pm$ 2500	8570 $\pm$ 740	880 $\pm$ 50	1200 $\pm$ 70	340 $\pm$ 30
$Z \rightarrow \ell\ell$		910 $\pm$ 90	760 $\pm$ 70	70 $\pm$ 7	34 $\pm$ 5	34 $\pm$ 4	1.6 $\pm$ 0.2
Diboson+single t		9870 $\pm$ 610	5070 $\pm$ 320	2240 $\pm$ 170	2920 $\pm$ 190	1815 $\pm$ 114	1390 $\pm$ 97
t $\bar{t}$		13500 $\pm$ 570	8384 $\pm$ 365	6116 $\pm$ 380	37900 $\pm$ 1130	23930 $\pm$ 750	18050 $\pm$ 860
W+jets		5180 $\pm$ 550	1980 $\pm$ 220	360 $\pm$ 41	120 $\pm$ 14	38 $\pm$ 4	31 $\pm$ 4
QCD		13620 $\pm$ 3650	14130 $\pm$ 3770	1310 $\pm$ 350	630 $\pm$ 180	590 $\pm$ 165	0.4 $\pm$ 0.1
Data		85816 $\pm$ 293	102143 $\pm$ 320	18364 $\pm$ 136	42870 $\pm$ 207	27803 $\pm$ 167	20208 $\pm$ 142