

Parameters	SM prediction		Best fit / SM pred.	Stat	Syst
	$(m_H = 125.38 \text{ GeV})$				
ggH 0J $p_T^H < 10$	6.70 pb	0.70 ^{+0.20 (+0.27)} _{-0.17 (-0.23)}	+0.15 (+0.19) -0.14 (-0.18)	+0.14 (+0.19) -0.10 (-0.14)	
ggH 0J $p_T^H > 10 + \text{bbH}$	19.5 pb	1.13 ^{+0.13 (+0.12)} _{-0.12 (-0.11)}	+0.08 (+0.08) -0.08 (-0.08)	+0.10 (+0.09) -0.09 (-0.08)	
ggH 1J $p_T^H < 60$	7.14 pb	1.15 ^{+0.31 (+0.29)} _{-0.27 (-0.26)}	+0.20 (+0.21) -0.20 (-0.20)	+0.23 (+0.20) -0.18 (-0.16)	
ggH 1J $60 < p_T^H < 120$	4.95 pb	1.16 ^{+0.32 (+0.29)} _{-0.28 (-0.26)}	+0.21 (+0.21) -0.21 (-0.21)	+0.24 (+0.19) -0.19 (-0.14)	
ggH 1J $120 < p_T^H < 200$	0.88 pb	1.42 ^{+0.48 (+0.43)} _{-0.42 (-0.38)}	+0.32 (+0.33) -0.32 (-0.33)	+0.36 (+0.27) -0.26 (-0.18)	
ggH $\geq 2J$ $0 < m_{jj} < 350, p_T^H < 60$	1.24 pb	2.17 ^{+1.12 (+0.85)} _{-0.95 (-0.74)}	+0.78 (+0.69) -0.77 (-0.67)	+0.81 (+0.50) -0.55 (-0.30)	
ggH $\geq 2J$ $0 < m_{jj} < 350, 60 < p_T^H < 120$	2.00 pb	1.65 ^{+0.65 (+0.53)} _{-0.53 (-0.44)}	+0.41 (+0.40) -0.41 (-0.40)	+0.51 (+0.35) -0.33 (-0.20)	
ggH $\geq 2J$ $0 < m_{jj} < 350, 120 < p_T^H < 200$	0.93 pb	0.99 ^{+0.51 (+0.51)} _{-0.41 (-0.42)}	+0.35 (+0.38) -0.35 (-0.37)	+0.37 (+0.34) -0.23 (-0.20)	
ggH VBF-topo	0.98 pb	1.50 ^{+0.97 (+0.84)} _{-0.84 (-0.74)}	+0.74 (+0.69) -0.74 (-0.69)	+0.62 (+0.48) -0.39 (-0.28)	
ggH $200 < p_T^H < 300$	0.49 pb	1.34 ^{+0.55 (+0.48)} _{-0.43 (-0.39)}	+0.32 (+0.33) -0.32 (-0.33)	+0.44 (+0.34) -0.29 (-0.20)	
ggH $300 < p_T^H < 450$	0.12 pb	0.93 ^{+0.65 (+0.65)} _{-0.53 (-0.54)}	+0.49 (+0.51) -0.47 (-0.50)	+0.42 (+0.41) -0.25 (-0.22)	
ggH $450 < p_T^H < 650$	0.015 pb	3.74 ^{+1.91 (+1.38)} _{-1.47 (-1.22)}	+1.27 (+1.22) -1.24 (-1.17)	+1.44 (+0.65) -0.78 (-0.31)	
ggH $p_T^H > 650$	0.0022 pb	2.88 ^{+3.07 (+2.43)} _{-2.58 (-2.08)}	+2.40 (+2.18) -2.31 (-1.99)	+1.90 (+1.08) -1.15 (-0.59)	
qqH other	2.78 pb	-0.89 ^{+1.57 (+1.34)} _{-1.45 (-1.30)}	+1.20 (+1.21) -1.08 (-1.18)	+1.01 (+0.59) -0.96 (-0.55)	
qqH $350 < m_{jj} < 700$	0.57 pb	1.26 ^{+0.80 (+0.74)} _{-0.77 (-0.71)}	+0.69 (+0.67) -0.67 (-0.64)	+0.39 (+0.31) -0.37 (-0.30)	
qqH $m_{jj} > 700$	0.74 pb	0.94 ^{+0.25 (+0.24)} _{-0.25 (-0.23)}	+0.22 (+0.22) -0.22 (-0.21)	+0.12 (+0.10) -0.11 (-0.10)	
qqH $60 < m_{jj} < 120$ (VH-topo)	0.54 pb	0.55 ^{+0.71 (+0.71)} _{-0.75 (-0.68)}	+0.67 (+0.67) -0.70 (-0.64)	+0.24 (+0.23) -0.27 (-0.21)	
qqH $p_T^H > 200$	0.16 pb	0.67 ^{+0.26 (+0.27)} _{-0.25 (-0.26)}	+0.24 (+0.25) -0.23 (-0.24)	+0.10 (+0.11) -0.10 (-0.10)	
WH lep $p_T^V < 75$	0.41 pb	1.94 ^{+1.03 (+0.85)} _{-0.89 (-0.74)}	+0.90 (+0.78) -0.81 (-0.70)	+0.48 (+0.34) -0.36 (-0.23)	
WH lep $75 < p_T^V < 150$	0.26 pb	1.07 ^{+0.94 (+0.90)} _{-0.88 (-0.76)}	+0.88 (+0.85) -0.84 (-0.73)	+0.33 (+0.29) -0.27 (-0.19)	
WH lep $150 < p_T^V < 250$	0.040 pb	0.84 ^{+0.58 (+0.53)} _{-0.56 (-0.51)}	+0.43 (+0.40) -0.42 (-0.39)	+0.39 (+0.35) -0.37 (-0.33)	
WH lep $p_T^V > 250$	0.026 pb	1.97 ^{+0.50 (+0.42)} _{-0.46 (-0.40)}	+0.36 (+0.32) -0.35 (-0.30)	+0.34 (+0.27) -0.31 (-0.26)	
ZH lep $p_T^V < 150$	0.20 pb	2.03 ^{+0.46 (+0.40)} _{-0.43 (-0.37)}	+0.36 (+0.33) -0.35 (-0.31)	+0.28 (+0.23) -0.24 (-0.20)	
ZH lep $150 < p_T^V < 250, 0J$	0.015 pb	0.47 ^{+0.49 (+0.54)} _{-0.45 (-0.50)}	+0.37 (+0.41) -0.36 (-0.40)	+0.31 (+0.35) -0.27 (-0.30)	
ZH lep $150 < p_T^V < 250, \geq 1J$	0.017 pb	0.21 ^{+0.98 (+0.90)} _{-0.96 (-0.80)}	+0.79 (+0.68) -0.76 (-0.65)	+0.59 (+0.59) -0.59 (-0.46)	
ZH lep $p_T^V > 250$	0.0099 pb	1.81 ^{+0.47 (+0.34)} _{-0.43 (-0.31)}	+0.33 (+0.26) -0.32 (-0.25)	+0.33 (+0.21) -0.29 (-0.18)	
ttH $p_T^H < 60$	0.23 pb	0.55 ^{+0.81 (+1.02)} _{-0.60 (-0.71)}	+0.62 (+0.71) -0.56 (-0.66)	+0.52 (+0.72) -0.22 (-0.29)	
ttH $60 < p_T^H < 120$	0.35 pb	1.12 ^{+0.52 (+0.50)} _{-0.44 (-0.42)}	+0.43 (+0.42) -0.41 (-0.39)	+0.29 (+0.28) -0.17 (-0.16)	
ttH $120 < p_T^H < 200$	0.26 pb	0.92 ^{+0.47 (+0.46)} _{-0.40 (-0.39)}	+0.39 (+0.37) -0.37 (-0.35)	+0.27 (+0.28) -0.17 (-0.17)	
ttH $200 < p_T^H < 300$	0.11 pb	0.81 ^{+0.56 (+0.54)} _{-0.49 (-0.45)}	+0.45 (+0.42) -0.44 (-0.39)	+0.32 (+0.34) -0.22 (-0.21)	
ttH $p_T^H > 300$	0.054 pb	-0.20 ^{+0.71 (+0.72)} _{-0.72 (-0.62)}	+0.61 (+0.57) -0.57 (-0.54)	+0.37 (+0.44) -0.43 (-0.30)	
tH	0.090 pb	7.21 ^{+2.70 (+2.34)} _{-2.50 (-2.19)}	+2.02 (+1.89) -1.98 (-1.82)	+1.78 (+1.37) -1.53 (-1.23)	