

Parameters	SM $\sigma^i B^f$ (fb)	Best fit / SM pred.	Parameters	SM $\sigma^i B^f$ (fb)	Best fit / SM pred.
$H \rightarrow \gamma\gamma$			$H \rightarrow WW$		
ggH 0J $p_T^H < 10$	15.2	$0.58^{+0.38}_{-0.26}$ ($+0.66$ -0.48)	ggH 0J	5670	$0.86^{+0.12}_{-0.14}$ ($+0.14$ -0.13)
ggH 0J $p_T^H > 10 + \text{bbH}$	44.3	$1.35^{+0.27}_{-0.20}$ ($+0.18$ -0.16)	ggH 1J $p_T^H < 60$	1572	$1.71^{+0.45}_{-0.42}$ ($+0.39$ -0.36)
ggH 1J $p_T^H < 60$	16.2	$0.84^{+0.38}_{-0.36}$ ($+0.40$ -0.36)	ggH 1J $p_T^H > 60$	1284	$0.32^{+0.25}_{-0.26}$ ($+0.30$ -0.26)
ggH 1J $60 < p_T^H < 120$	11.2	$1.26^{+0.34}_{-0.30}$ ($+0.32$ -0.28)	ggH $\geq 2J$ $p_T^H < 200$	1135	$1.65^{+0.85}_{-0.68}$ ($+0.63$ -0.54)
ggH 1J $120 < p_T^H < 200$	2.00	$1.30^{+0.55}_{-0.46}$ ($+0.51$ -0.44)	ggH 200 $< p_T^H < 300$	107	$2.68^{+1.42}_{-1.21}$ ($+1.09$ -0.94)
ggH $\geq 2J$ $0 < m_{jj} < 350, p_T^H < 60$	2.82	$1.39^{+1.40}_{-1.34}$ ($+1.44$ -1.00)	ggH $p_T^H > 300$	31.2	$-4.18^{+3.27}_{-3.38}$ ($+2.66$ -2.41)
ggH $\geq 2J$ $0 < m_{jj} < 350, 60 < p_T^H < 120$	4.53	$0.00^{+0.66}_{-0.00}$ ($+0.74$ -0.63)	qqH $350 < m_{jj} < 700$	125	$0.27^{+0.99}_{-0.81}$ ($+0.92$ -0.85)
ggH $\geq 2J$ $0 < m_{jj} < 350, 120 < p_T^H < 200$	2.12	$0.33^{+0.58}_{-0.33}$ ($+0.65$ -0.55)	qqH $m_{jj} > 700$	162	$0.68^{+0.35}_{-0.31}$ ($+0.35$ -0.33)
ggH 200 $< p_T^H < 300$	1.10	$1.01^{+0.56}_{-0.41}$ ($+0.52$ -0.40)	qqH $p_T^H > 200$	35.8	$1.18^{+0.72}_{-0.66}$ ($+0.72$ -0.63)
ggH 300 $< p_T^H < 450$	0.28	$0.53^{+0.76}_{-0.53}$ ($+0.75$ -0.62)	qqH $60 < m_{jj} < 120$ (VH-topo)	118	$4.30^{+3.43}_{-3.58}$ ($+3.13$ -3.13)
ggH $p_T^H > 450$	0.040	$3.56^{+3.12}_{-2.48}$ ($+1.94$ -1.00)	WH lep $p_T^V < 150$	74.0	$1.36^{+1.09}_{-0.96}$ ($+0.83$ -0.80)
VBF-like $350 < m_{jj} < 700, p_T^{\text{Hij}} < 25$	1.59	$0.77^{+0.82}_{-0.67}$ ($+1.31$ -1.00)	WH lep $p_T^V > 150$	11.7	$4.08^{+1.65}_{-1.59}$ ($+1.31$ -1.22)
VBF-like $350 < m_{jj} < 700, p_T^{\text{Hij}} > 25$	1.25	$2.86^{+1.98}_{-1.32}$ ($+1.14$ -0.97)	ZH lep $p_T^V < 150$	43.0	$2.67^{+1.05}_{-0.82}$ ($+0.79$ -0.64)
VBF-like $m_{jj} > 700, p_T^{\text{Hij}} < 25$	1.60	$0.54^{+0.54}_{-0.34}$ ($+0.91$ -0.63)	ZH lep $p_T^V > 150$	9.31	$-0.38^{+1.29}_{-0.64}$ ($+1.08$ -0.89)
VBF-like $m_{jj} > 700, p_T^{\text{Hij}} > 25$	0.73	$0.46^{+1.50}_{-0.46}$ ($+0.98$ -0.85)	ttH + tH	130	$1.45^{+0.37}_{-0.32}$ ($+0.34$ -0.31)
qqH $60 < m_{jj} < 120$ (VH-topo)	1.22	$1.23^{+1.03}_{-0.94}$ ($+1.00$ -0.94)	$H \rightarrow \tau\tau$		
qqH $p_T^H > 200$	0.37	$1.44^{+0.69}_{-0.62}$ ($+0.66$ -0.58)	ggH 0J $p_T^H < 10$	416	$-1.67^{+0.83}_{-0.84}$ ($+0.96$ -0.93)
WH lep $p_T^V < 75$	0.94	$1.65^{+1.33}_{-1.29}$ ($+1.42$ -1.00)	ggH 0J $p_T^H > 10$	1182	$-0.51^{+0.54}_{-0.56}$ ($+0.53$ -0.52)
WH lep $75 < p_T^V < 150$	0.59	$1.54^{+1.27}_{-1.12}$ ($+1.34$ -0.96)	ggH 1J $p_T^H < 60$	443	$0.86^{+0.65}_{-0.66}$ ($+0.67$ -0.64)
WH lep $p_T^V > 150$	0.12	$1.02^{+0.99}_{-0.79}$ ($+1.04$ -0.79)	ggH 1J $60 < p_T^H < 120$	307	$1.87^{+0.59}_{-0.51}$ ($+0.53$ -0.49)
ZH lep	0.54	$1.29^{+0.80}_{-0.61}$ ($+0.72$ -0.62)	ggH 1J $120 < p_T^H < 200$	54.8	$1.42^{+0.64}_{-0.59}$ ($+0.62$ -0.56)
ttH $p_T^H < 60$	0.51	$0.74^{+1.09}_{-0.74}$ ($+1.20$ -0.82)	ggH $\geq 2J$ $p_T^H < 200$	320	$1.63^{+0.73}_{-0.59}$ ($+0.64$ -0.55)
ttH $60 < p_T^H < 120$	0.79	$1.30^{+0.68}_{-0.59}$ ($+0.64$ -0.51)	ggH 200 $< p_T^H < 300$	30.1	$1.43^{+0.76}_{-0.68}$ ($+0.76$ -0.65)
ttH $120 < p_T^H < 200$	0.59	$0.79^{+0.60}_{-0.48}$ ($+0.62$ -0.50)	ggH $p_T^H > 300$	8.79	$1.91^{+0.99}_{-0.80}$ ($+0.89$ -0.78)
ttH $200 < p_T^H < 300$	0.25	$0.99^{+0.95}_{-0.79}$ ($+0.75$ -0.61)	qqH other	206	$-0.98^{+1.20}_{-1.21}$ ($+1.22$ -1.18)
ttH $p_T^H > 300$	0.12	$0.00^{+1.45}_{-0.00}$ ($+1.06$ -0.99)	qqH $350 < m_{jj} < 700$	35.1	$1.30^{+1.05}_{-1.03}$ ($+1.02$ -1.01)
tH	0.20	$8.35^{+3.64}_{-4.56}$ ($+4.43$ -1.00)	qqH $m_{jj} > 700$	45.7	$1.27^{+0.32}_{-0.32}$ ($+0.31$ -0.30)
$H \rightarrow ZZ$			qqH $p_T^H > 200$	10.1	$0.20^{+0.34}_{-0.33}$ ($+0.36$ -0.34)
ggH 0J $p_T^H < 10$	182	$0.92^{+0.33}_{-0.25}$ ($+0.34$ -0.28)	WH lep $p_T^V < 150$	20.8	$0.61^{+0.90}_{-0.89}$ ($+0.83$ -0.79)
ggH 0J $p_T^H > 10 + \text{bbH}$	529	$1.22^{+0.22}_{-0.20}$ ($+0.19$ -0.17)	WH lep $p_T^V > 150$	3.30	$2.55^{+1.46}_{-1.16}$ ($+1.21$ -1.11)
ggH 1J $p_T^H < 60$	194	$1.26^{+0.56}_{-0.46}$ ($+0.61$ -0.55)	ZH lep $p_T^V < 150$	12.1	$1.76^{+0.89}_{-0.76}$ ($+0.78$ -0.70)
ggH 1J $60 < p_T^H < 120$	134	$0.50^{+0.38}_{-0.36}$ ($+0.56$ -0.52)	ZH lep $p_T^V > 150$	2.62	$1.93^{+1.00}_{-0.70}$ ($+0.79$ -0.62)
ggH 1J $120 < p_T^H < 200$	24.0	$2.50^{+1.28}_{-1.06}$ ($+1.03$ -0.80)	ttH + tH	36.5	$0.38^{+0.41}_{-0.40}$ ($+0.49$ -0.42)
ggH $\geq 2J$ $0 < m_{jj} < 350, p_T^H < 60$	33.7	$0.00^{+0.81}_{-0.00}$ ($+1.65$ -1.00)	$H \rightarrow \text{bb}$		
ggH $\geq 2J$ $0 < m_{jj} < 350, 60 < p_T^H < 120$	54.3	$1.34^{+0.89}_{-0.65}$ ($+0.99$ -0.78)	ggH 300 $< p_T^H < 450$	71.5	$-1.65^{+6.74}_{-6.94}$ ($+6.64$ -6.45)
ggH $\geq 2J$ $0 < m_{jj} < 350, 120 < p_T^H < 200$	25.4	$0.97^{+0.97}_{-0.67}$ ($+1.11$ -0.82)	ggH 450 $< p_T^H < 650$	8.85	$2.36^{+2.04}_{-1.61}$ ($+1.74$ -1.60)
ggH VBF-topo	26.5	$2.02^{+2.72}_{-2.02}$ ($+2.09$ -1.01)	ggH $p_T^H > 650$	1.24	$2.64^{+3.26}_{-2.67}$ ($+2.90$ -2.64)
ggH $p_T^H > 200$	17.0	$0.41^{+0.53}_{-0.36}$ ($+1.05$ -0.78)	qqH	5760	$1.54^{+0.66}_{-0.57}$ ($+0.49$ -0.44)
qqH other	75.6	$0.00^{+1.63}_{-0.00}$ ($+2.59$ -1.00)	WH lep $150 < p_T^V < 250$	23.1	$0.14^{+0.66}_{-0.65}$ ($+0.64$ -0.63)
qqH $60 < m_{jj} < 120$ (VH-topo)	14.6	$1.29^{+1.95}_{-1.29}$ ($+2.05$ -1.00)	WH lep $p_T^V > 250$	15.0	$1.88^{+0.50}_{-0.46}$ ($+0.42$ -0.40)
qqH $350 < m_{jj} < 700, p_T^{\text{Hij}} < 25$	10.7	$0.32^{+2.77}_{-0.32}$ ($+2.59$ -1.00)	ZH lep $75 < p_T^V < 150$	49.4	$1.40^{+0.75}_{-0.71}$ ($+0.72$ -0.69)
qqH $m_{jj} > 700, p_T^{\text{Hij}} < 25$	15.5	$0.00^{+0.66}_{-0.00}$ ($+1.32$ -0.90)	ZH lep $150 < p_T^V < 250, 0J$	8.68	$0.45^{+0.48}_{-0.46}$ ($+0.56$ -0.51)
qqH $p_T^{\text{Hij}} > 25$	9.21	$3.03^{+5.67}_{-3.03}$ ($+4.66$ -0.99)	ZH lep $150 < p_T^V < 250, \geq 1J$	9.93	$-0.50^{+1.09}_{-1.09}$ ($+1.05$ -0.91)
qqH $p_T^H > 200$	4.41	$0.00^{+0.79}_{-0.00}$ ($+2.14$ -1.00)	ZH lep $p_T^V > 250$	5.73	$1.65^{+0.47}_{-0.38}$ ($+0.34$ -0.31)
VH lep $p_T^V < 150$	14.4	$8.36^{+4.00}_{-3.65}$ ($+1.94$ -1.00)	ttH $p_T^H < 60$	130	$0.52^{+1.82}_{-1.74}$ ($+2.21$ -1.95)
VH lep $p_T^V > 150$	2.59	$0.00^{+3.50}_{-0.00}$ ($+4.45$ -1.00)	ttH $60 < p_T^H < 120$	201	$0.43^{+1.26}_{-1.41}$ ($+1.35$ -1.29)
ttH + tH	16.0	$0.16^{+1.00}_{-0.16}$ ($+1.41$ -0.83)	ttH $120 < p_T^H < 200$	149	$1.00^{+0.98}_{-0.81}$ ($+0.91$ -0.85)
$H \rightarrow \mu\mu$			ttH $200 < p_T^H < 300$	62.4	$0.38^{+0.87}_{-0.92}$ ($+0.93$ -0.86)
ggH + bbH + ttH + tH	10.7	$0.69^{+0.66}_{-0.73}$ ($+0.69$ -0.67)	ttH $p_T^H > 300$	30.9	$-1.37^{+1.20}_{-1.04}$ ($+1.17$ -1.09)
qqH + VH	1.27	$1.71^{+0.84}_{-0.76}$ ($+0.74$ -0.65)	$H \rightarrow Z\gamma$		
$H \rightarrow Z\gamma$			ggH + bbH + ttH + tH	77.6	$3.67^{+1.37}_{-1.22}$ ($+1.14$ -1.14)
ggH + bbH + ttH + tH	77.6	$3.67^{+1.37}_{-1.22}$ ($+1.14$ -1.14)	qqH + VH	9.28	$-2.39^{+3.04}_{-2.82}$ ($+3.18$ -2.92)