

Measured regions	STXS stage 1.2 bins (number of merged bins)	σ_{SM}^i [pb]
ggH 0J, $p_{\text{T}}^{\text{H}} < 10$	ggH 0J, $p_{\text{T}}^{\text{H}} < 10$	6.70
ggH 0J, $p_{\text{T}}^{\text{H}} > 10 + \text{bbH}$	ggH 0J, $10 < p_{\text{T}}^{\text{H}} < 200 + \text{bbH}$ (2)	19.5
ggH 1J, $p_{\text{T}}^{\text{H}} < 60$	ggH 1J, $p_{\text{T}}^{\text{H}} < 60$	7.14
ggH 1J, $60 < p_{\text{T}}^{\text{H}} < 120$	ggH 1J, $60 < p_{\text{T}}^{\text{H}} < 120$	4.95
ggH 1J, $120 < p_{\text{T}}^{\text{H}} < 200$	ggH 1J, $120 < p_{\text{T}}^{\text{H}} < 200$	0.88
ggH $\geq 2\text{J}$, $0 < m_{\text{jj}} < 350$, $p_{\text{T}}^{\text{H}} < 60$	ggH $\geq 2\text{J}$, $0 < m_{\text{jj}} < 350$, $p_{\text{T}}^{\text{H}} < 60$	1.24
ggH $\geq 2\text{J}$, $0 < m_{\text{jj}} < 350$, $60 < p_{\text{T}}^{\text{H}} < 120$	ggH $\geq 2\text{J}$, $0 < m_{\text{jj}} < 350$, $60 < p_{\text{T}}^{\text{H}} < 120$	2.00
ggH $\geq 2\text{J}$, $0 < m_{\text{jj}} < 350$, $120 < p_{\text{T}}^{\text{H}} < 200$	ggH $\geq 2\text{J}$, $0 < m_{\text{jj}} < 350$, $120 < p_{\text{T}}^{\text{H}} < 200$	0.93
ggH VBF-topo	ggH $\geq 2\text{J}$, $350 < m_{\text{jj}} < 700$, $p_{\text{T}}^{\text{Hjj}} < 25$, $p_{\text{T}}^{\text{H}} < 200$; ggH $\geq 2\text{J}$, $350 < m_{\text{jj}} < 700$, $p_{\text{T}}^{\text{Hjj}} > 25$, $p_{\text{T}}^{\text{H}} < 200$; ggH $\geq 2\text{J}$, $m_{\text{jj}} > 700$, $p_{\text{T}}^{\text{Hjj}} < 25$, $p_{\text{T}}^{\text{H}} < 200$; ggH $\geq 2\text{J}$, $m_{\text{jj}} > 700$, $p_{\text{T}}^{\text{Hjj}} > 25$, $p_{\text{T}}^{\text{H}} < 200$ (4)	0.98
ggH $200 < p_{\text{T}}^{\text{H}} < 300$	ggH $200 < p_{\text{T}}^{\text{H}} < 300$	0.49
ggH $300 < p_{\text{T}}^{\text{H}} < 450$	ggH $300 < p_{\text{T}}^{\text{H}} < 450$	0.12
ggH $450 < p_{\text{T}}^{\text{H}} < 650$	ggH $450 < p_{\text{T}}^{\text{H}} < 650$	0.015
ggH $p_{\text{T}}^{\text{H}} > 650$	ggH $p_{\text{T}}^{\text{H}} > 650$	0.0022
qqH other	qqH 0J; qqH 1J; qqH $\geq 2\text{J}$, $m_{\text{jj}} < 60$; qqH $\geq 2\text{J}$, $120 < m_{\text{jj}} < 350$ (4)	2.78
qqH $60 < m_{\text{jj}} < 120$ (VH-topo)	qqH $\geq 2\text{J}$, $60 < m_{\text{jj}} < 120$	0.54
qqH $350 < m_{\text{jj}} < 700$	qqH $\geq 2\text{J}$, $350 < m_{\text{jj}} < 700$, $p_{\text{T}}^{\text{Hjj}} < 25$, $p_{\text{T}}^{\text{H}} < 200$; qqH $\geq 2\text{J}$, $350 < m_{\text{jj}} < 700$, $p_{\text{T}}^{\text{Hjj}} > 25$, $p_{\text{T}}^{\text{H}} < 200$ (2)	0.57
qqH $m_{\text{jj}} > 700$	qqH $\geq 2\text{J}$, $m_{\text{jj}} > 700$, $p_{\text{T}}^{\text{Hjj}} < 25$, $p_{\text{T}}^{\text{H}} < 200$; qqH $\geq 2\text{J}$, $m_{\text{jj}} > 700$, $p_{\text{T}}^{\text{Hjj}} > 25$, $p_{\text{T}}^{\text{H}} < 200$ (2)	0.74
qqH $p_{\text{T}}^{\text{H}} > 200$	qqH $\geq 2\text{J}$, $m_{\text{jj}} > 350$, $p_{\text{T}}^{\text{H}} > 200$	0.16
WH lep $p_{\text{T}}^{\text{V}} < 75$	WH lep $p_{\text{T}}^{\text{V}} < 75$	0.41
WH lep $75 < p_{\text{T}}^{\text{V}} < 150$	WH lep $75 < p_{\text{T}}^{\text{V}} < 150$	0.26
WH lep $150 < p_{\text{T}}^{\text{V}} < 250$	WH lep $150 < p_{\text{T}}^{\text{V}} < 250$, 0J; WH lep $150 < p_{\text{T}}^{\text{V}} < 250$, $\geq 1\text{J}$ (2)	0.040
WH lep $p_{\text{T}}^{\text{V}} > 250$	WH lep $p_{\text{T}}^{\text{V}} > 250$	0.026
ZH lep $p_{\text{T}}^{\text{V}} < 150$	ZH lep $p_{\text{T}}^{\text{V}} < 75$; ZH lep $75 < p_{\text{T}}^{\text{V}} < 150$; (2)	0.20
ZH lep $150 < p_{\text{T}}^{\text{V}} < 250$, 0J	ZH $150 < p_{\text{T}}^{\text{V}} < 250$, 0J	0.015
ZH lep $150 < p_{\text{T}}^{\text{V}} < 250$, $\geq 1\text{J}$	ZH lep $150 < p_{\text{T}}^{\text{V}} < 250$, $\geq 1\text{J}$	0.017
ZH lep $p_{\text{T}}^{\text{V}} > 250$	ZH lep $p_{\text{T}}^{\text{V}} > 250$	0.0099
ttH $p_{\text{T}}^{\text{H}} < 60$	ttH $p_{\text{T}}^{\text{H}} < 60$	0.23
ttH $60 < p_{\text{T}}^{\text{H}} < 120$	ttH $60 < p_{\text{T}}^{\text{H}} < 120$	0.35
ttH $120 < p_{\text{T}}^{\text{H}} < 200$	ttH $120 < p_{\text{T}}^{\text{H}} < 200$	0.26
ttH $200 < p_{\text{T}}^{\text{H}} < 300$	ttH $200 < p_{\text{T}}^{\text{H}} < 300$	0.11
ttH $p_{\text{T}}^{\text{H}} > 300$	ttH $p_{\text{T}}^{\text{H}} > 300$	0.054
tH	tHq; tHW (2)	0.090