

Production	Loops	Interference	Effective	
			scaling factor	Resolved scaling factor
$\sigma(\text{ggH})$	✓	$\text{b} - \text{t}$	κ_{g}^2	$1.04 \cdot \kappa_{\text{t}}^2 + 0.002 \cdot \kappa_{\text{b}}^2 - 0.038 \cdot \kappa_{\text{t}}\kappa_{\text{b}}$
$\sigma(\text{VBF})$	–	–		$0.73 \cdot \kappa_{\text{W}}^2 + 0.27 \cdot \kappa_{\text{Z}}^2$
$\sigma(\text{WH})$	–	–		κ_{W}^2
$\sigma(\text{qq/qg} \rightarrow \text{ZH})$	–	–		κ_{Z}^2
$\sigma(\text{gg} \rightarrow \text{ZH})$	✓	$\text{Z} - \text{t}$		$2.46 \cdot \kappa_{\text{Z}}^2 + 0.47 \cdot \kappa_{\text{t}}^2 - 1.94 \cdot \kappa_{\text{Z}}\kappa_{\text{t}}$
$\sigma(\text{ttH})$	–	–		κ_{t}^2
$\sigma(\text{gb} \rightarrow \text{WtH})$	–	$\text{W} - \text{t}$		$2.91 \cdot \kappa_{\text{t}}^2 + 2.40 \cdot \kappa_{\text{W}}^2 - 4.22 \cdot \kappa_{\text{t}}\kappa_{\text{W}}$
$\sigma(\text{qb} \rightarrow \text{tHq})$	–	$\text{W} - \text{t}$		$2.63 \cdot \kappa_{\text{t}}^2 + 3.58 \cdot \kappa_{\text{W}}^2 - 5.21 \cdot \kappa_{\text{t}}\kappa_{\text{W}}$
$\sigma(\text{bbH})$	–	–		κ_{b}^2
Partial decay width				
Γ^{ZZ}	–	–		κ_{Z}^2
Γ^{WW}	–	–		κ_{W}^2
$\Gamma^{\gamma\gamma}$	✓	$\text{W} - \text{t}$	κ_{γ}^2	$1.59 \cdot \kappa_{\text{W}}^2 + 0.07 \cdot \kappa_{\text{t}}^2 - 0.67 \cdot \kappa_{\text{W}}\kappa_{\text{t}}$
$\Gamma^{\tau\tau}$	–	–		κ_{τ}^2
Γ^{bb}	–	–		κ_{b}^2
$\Gamma^{\mu\mu}$	–	–		κ_{μ}^2
Total width for $\text{BR}_{\text{BSM}} = 0$				
Γ_{H}	✓	–	κ_{H}^2	$0.58 \cdot \kappa_{\text{b}}^2 + 0.22 \cdot \kappa_{\text{W}}^2 + 0.08 \cdot \kappa_{\text{g}}^2 +$ $+ 0.06 \cdot \kappa_{\tau}^2 + 0.026 \cdot \kappa_{\text{Z}}^2 + 0.029 \cdot \kappa_{\text{c}}^2 +$ $+ 0.0023 \cdot \kappa_{\gamma}^2 + 0.0015 \cdot \kappa_{\text{Z}\gamma}^2 +$ $+ 0.00025 \cdot \kappa_{\text{s}}^2 + 0.00022 \cdot \kappa_{\mu}^2$