

Parameterisation	p -value (q_{SM})	DOF	Parameters of interest
Global signal strength	6.12% (3.51)	1	μ
Production processes	9.21% (9.46)	5	$\mu_{\text{ggH}}, \mu_{\text{VBF}}, \mu_{\text{WH}}, \mu_{\text{ZH}}, \mu_{\text{ttH}}$
Decay modes	43.4% (4.85)	5	$\mu^{\gamma\gamma}, \mu^{\text{ZZ}}, \mu^{\text{WW}}, \mu^{\tau\tau}, \mu^{\text{bb}}$
$\sigma_i \cdot \text{BR}^f$ products	50.4% (21.3)	22	$\sigma_{\text{ggH}} \cdot \text{BR}^{\text{bb}}, \sigma_{\text{ggH}} \cdot \text{BR}^{\tau\tau}, \sigma_{\text{ggH}} \cdot \text{BR}^{\text{WW}}, \sigma_{\text{ggH}} \cdot \text{BR}^{\text{ZZ}}, \sigma_{\text{ggH}} \cdot \text{BR}^{\gamma\gamma},$ $\sigma_{\text{VBF}} \cdot \text{BR}^{\tau\tau}, \sigma_{\text{VBF}} \cdot \text{BR}^{\text{WW}}, \sigma_{\text{VBF}} \cdot \text{BR}^{\text{ZZ}}, \sigma_{\text{VBF}} \cdot \text{BR}^{\gamma\gamma}, \sigma_{\text{WH}} \cdot \text{BR}^{\text{bb}},$ $\sigma_{\text{WH}} \cdot \text{BR}^{\text{WW}}, \sigma_{\text{WH}} \cdot \text{BR}^{\text{ZZ}}, \sigma_{\text{WH}} \cdot \text{BR}^{\gamma\gamma}, \sigma_{\text{ZH}} \cdot \text{BR}^{\text{bb}}, \sigma_{\text{ZH}} \cdot \text{BR}^{\text{WW}},$ $\sigma_{\text{ZH}} \cdot \text{BR}^{\text{ZZ}}, \sigma_{\text{ZH}} \cdot \text{BR}^{\gamma\gamma}, \sigma_{\text{ttH}} \cdot \text{BR}^{\tau\tau}, \sigma_{\text{ttH}} \cdot \text{BR}^{\text{WW}}, \sigma_{\text{ttH}} \cdot \text{BR}^{\text{ZZ}},$ $\sigma_{\text{ttH}} \cdot \text{BR}^{\gamma\gamma}, \sigma_{\text{ttH}} \cdot \text{BR}^{\text{bb}}$
Ratios of σ and BR relative to $\text{gg} \rightarrow \text{H} \rightarrow \text{ZZ}$	24.5% (11.5)	9	$\mu_{\text{ggH}}^{\text{ZZ}}, \mu_{\text{VBF}} / \mu_{\text{ggH}}, \mu_{\text{WH}} / \mu_{\text{ggH}}, \mu_{\text{ZH}} / \mu_{\text{ggH}}, \mu_{\text{ttH}} / \mu_{\text{ggH}}, \mu^{\text{WW}} / \mu^{\text{ZZ}},$ $\mu^{\gamma\gamma} / \mu^{\text{ZZ}}, \mu^{\tau\tau} / \mu^{\text{ZZ}}, \mu^{\text{bb}} / \mu^{\text{ZZ}}$
Simplified template cross sections with branching fractions relative to BR^{ZZ}	17.2% (14.0)	10	$\sigma_{\text{ggH}} \cdot \text{BR}^{\text{ZZ}}, \sigma_{\text{VBF}} \cdot \text{BR}^{\text{ZZ}}, \sigma_{\text{H}+\text{V}(\text{qq})} \cdot \text{BR}^{\text{ZZ}}, \sigma_{\text{H}+\text{W}(\ell\nu)} \cdot \text{BR}^{\text{ZZ}},$ $\sigma_{\text{H}+\text{Z}(\ell\ell/\nu\nu)} \cdot \text{BR}^{\text{ZZ}}, \sigma_{\text{ttH}} \cdot \text{BR}^{\text{ZZ}}, \text{BR}^{\text{bb}} / \text{BR}^{\text{ZZ}}, \text{BR}^{\tau\tau} / \text{BR}^{\text{ZZ}}, \text{BR}^{\text{WW}} / \text{BR}^{\text{ZZ}},$ $\text{BR}^{\gamma\gamma} / \text{BR}^{\text{ZZ}}$
Couplings, SM loops	46.9% (5.60)	6	$\kappa_{\text{Z}}, \kappa_{\text{W}}, \kappa_{\text{t}}, \kappa_{\tau}, \kappa_{\text{b}}, \kappa_{\mu}$
Couplings vs mass	17.1% (3.54)	2	M, ϵ
Couplings, BSM loops	57.7% (5.68)	7	$\kappa_{\text{Z}}, \kappa_{\text{W}}, \kappa_{\text{t}}, \kappa_{\tau}, \kappa_{\text{b}}, \kappa_{\gamma}, \kappa_{\text{g}}$
Couplings, BSM loops and decays including $\text{H} \rightarrow \text{inv. channels}$	78.6% (5.53)	9	$\kappa_{\text{Z}}, \kappa_{\text{W}}, \kappa_{\text{t}}, \kappa_{\tau}, \kappa_{\text{b}}, \kappa_{\gamma}, \kappa_{\text{g}}, \text{BR}_{\text{inv.}}, \text{BR}_{\text{undet.}}$
Ratios of coupling modifiers	56.7% (5.77)	7	$\kappa_{\text{gZ}}, \lambda_{\text{WZ}}, \lambda_{\gamma\text{Z}}, \lambda_{\text{tg}}, \lambda_{\text{bZ}}, \lambda_{\tau\text{Z}}, \lambda_{\text{Zg}}$
Fermion and vector couplings	16.9% (3.55)	2	$\kappa_{\text{F}}, \kappa_{\text{V}}$
Fermion and vector couplings, per decay mode	63.9% (7.89)	10	$\kappa_{\text{F}}^{\text{bb}}, \kappa_{\text{F}}^{\tau\tau}, \kappa_{\text{F}}^{\text{WW}}, \kappa_{\text{F}}^{\text{ZZ}}, \kappa_{\text{F}}^{\gamma\gamma}, \kappa_{\text{V}}^{\text{bb}}, \kappa_{\text{V}}^{\tau\tau}, \kappa_{\text{V}}^{\text{WW}}, \kappa_{\text{V}}^{\text{ZZ}}, \kappa_{\text{V}}^{\gamma\gamma}$
Up vs down-type couplings	25.5% (4.06)	3	$\lambda_{\text{Vu}}, \lambda_{\text{du}}, \kappa_{\text{uu}}$
Lepton vs quark couplings	26.5% (3.97)	3	$\lambda_{\ell\text{q}}, \lambda_{\text{Vq}}, \kappa_{\text{qq}}$