

Model	p -value	DoF	Parameters
Global signal strength	34%	1	μ
Production processes	24%	5	$\mu_{\text{ggF}}, \mu_{\text{VBF}}, \mu_{\text{WH}}, \mu_{\text{ZH}}, \mu_{\text{ttH}}$
Decay modes	60%	5	$\mu^{\gamma\gamma}, \mu^{ZZ}, \mu^{WW}, \mu^{\tau\tau}, \mu^{b\bar{b}}$
μ_V and μ_F per decay	88%	10	$\mu_V^{\gamma\gamma}, \mu_V^{ZZ}, \mu_V^{WW}, \mu_V^{\tau\tau}, \mu_V^{b\bar{b}}, \mu_F^{\gamma\gamma}, \mu_F^{ZZ}, \mu_F^{WW}, \mu_F^{\tau\tau}, \mu_F^{b\bar{b}}$
μ_V/μ_F ratio	72%	6	$\mu_V/\mu_F, \mu_F^{\gamma\gamma}, \mu_F^{ZZ}, \mu_F^{WW}, \mu_F^{\tau\tau}, \mu_F^{b\bar{b}}$
Ratios of σ and BR relative to $\sigma(\text{gg} \rightarrow H \rightarrow ZZ)$	16%	9	$\sigma(\text{gg} \rightarrow H \rightarrow ZZ), \sigma_{\text{VBF}}/\sigma_{\text{ggF}}, \sigma_{\text{WH}}/\sigma_{\text{ggF}}, \sigma_{\text{ZH}}/\sigma_{\text{ggF}}, \sigma_{\text{ttH}}/\sigma_{\text{ggF}}, \text{BR}^{\text{WW}}/\text{BR}^{\text{ZZ}}, \text{BR}^{\gamma\gamma}/\text{BR}^{\text{ZZ}}, \text{BR}^{\tau\tau}/\text{BR}^{\text{ZZ}}, \text{BR}^{b\bar{b}}/\text{BR}^{\text{ZZ}}$
Ratios of σ and BR relative to $\sigma(\text{gg} \rightarrow H \rightarrow WW)$	16%	9	$\sigma(\text{gg} \rightarrow H \rightarrow WW), \sigma_{\text{VBF}}/\sigma_{\text{ggF}}, \sigma_{\text{WH}}/\sigma_{\text{ggF}}, \sigma_{\text{ZH}}/\sigma_{\text{ggF}}, \sigma_{\text{ttH}}/\sigma_{\text{ggF}}, \text{BR}^{\text{ZZ}}/\text{BR}^{\text{WW}}, \text{BR}^{\gamma\gamma}/\text{BR}^{\text{WW}}, \text{BR}^{\tau\tau}/\text{BR}^{\text{WW}}, \text{BR}^{b\bar{b}}/\text{BR}^{\text{WW}}$
Coupling ratios	13%	7	$\kappa_{gZ}, \lambda_{Zg}, \lambda_{tg}, \lambda_{WZ}, \lambda_{\gamma Z}, \lambda_{\tau Z}, \lambda_{bZ}$
Couplings, SM loops	65%	6	$\kappa_Z, \kappa_W, \kappa_t, \kappa_\tau, \kappa_b, \kappa_\mu$
Couplings, BSM loops	11%	7	$\kappa_Z, \kappa_W, \kappa_t, \kappa_\tau, \kappa_b, \kappa_g, \kappa_\gamma$
BSM loops only	82%	2	κ_g, κ_γ
Up vs down couplings	67%	3	$\lambda_{du}, \lambda_{Vu}, \kappa_{uu}$
Lepton vs quark couplings	78%	3	$\lambda_{lq}, \lambda_{Vq}, \kappa_{qq}$
Fermion and vector couplings	59%	2	κ_V, κ_F