Parameterization	p-value (q_{SM})	DOF	Parameters of interest
Global signal strength	6.28% (3.46)	1	μ
Production processes	9.87% (9.27)	5	μ_{ggH}, μ_{VBF}, μ_{WH}, μ_{ZH}, μ_{ttH}
Decay modes	53.8% (5.05)	6	$\mu^{\gamma\gamma}$, μ^{ZZ}, μ^{WW}, $\mu^{\tau\tau}$, μ^{bb}, $\mu^{\mu\mu}$
$\sigma_i\mathcal{B}^f$ products	61.2% (21.5)	24	$\sigma_{ggH}\mathcal{B}^{bb}$, $\sigma_{ggH}\mathcal{B}^{\tau\tau}$, $\sigma_{ggH}\mathcal{B}^{\mu\mu}$, $\sigma_{ggH}\mathcal{B}^{WW}$, $\sigma_{ggH}\mathcal{B}^{ZZ}$, $\sigma_{ggH}\mathcal{B}^{\gamma\gamma}$, $\sigma_{VBF}\mathcal{B}^{\tau\tau}$, $\sigma_{VBF}\mathcal{B}^{\mu\mu}$, $\sigma_{VBF}\mathcal{B}^{WW}$, $\sigma_{VBF}\mathcal{B}^{ZZ}$, $\sigma_{VBF}\mathcal{B}^{\gamma\gamma}$, $\sigma_{WH}\mathcal{B}^{bb}$, $\sigma_{WH}\mathcal{B}^{WW}$, $\sigma_{WH}\mathcal{B}^{ZZ}$, $\sigma_{WH}\mathcal{B}^{\gamma\gamma}$, $\sigma_{ZH}\mathcal{B}^{bb}$, $\sigma_{ZH}\mathcal{B}^{WW}$, $\sigma_{ZH}\mathcal{B}^{ZZ}$, $\sigma_{ZH}\mathcal{B}^{\gamma\gamma}$, $\sigma_{ttH}\mathcal{B}^{\tau\tau}$, $\sigma_{ttH}\mathcal{B}^{WW}$, $\sigma_{ttH}\mathcal{B}^{ZZ}$, $\sigma_{ttH}\mathcal{B}^{\gamma\gamma}$, $\sigma_{ttH}\mathcal{B}^{bb}$
Ratios of σ and $\mathcal{B}$ relative to $gg \to H \to ZZ$	32.3% (11.5)	10	μ^{ZZ}_{ggH}, μ_{VBF}/μ_{ggH}, μ_{WH}/μ_{ggH}, μ_{ZH}/μ_{ggH}, μ_{ttH}/μ_{ggH}, μ^{WW}/μ^{ZZ}, $\mu^{\gamma\gamma}/\mu^{ZZ}$, $\mu^{\tau\tau}/\mu^{ZZ}$, μ^{bb}/μ^{ZZ}, $\mu^{bb}/\mu^{\mu\mu}$
Simplified template cross sections with branching fractions relative to $\mathcal{B}^{ZZ}$	21.2% (14.4)	11	$\sigma_{ggH}\mathcal{B}^{ZZ}$, $\sigma_{VBF}\mathcal{B}^{ZZ}$, $\sigma_{H+V(qq)}\mathcal{B}^{ZZ}$, $\sigma_{H+W(\ell\nu)}\mathcal{B}^{ZZ}$, $\sigma_{H+Z(\ell\ell/\nu\nu)}\mathcal{B}^{ZZ}$, $\sigma_{ttH}\mathcal{B}^{ZZ}$, $\mathcal{B}^{bb}/\mathcal{B}^{ZZ}$, $\mathcal{B}^{\tau\tau}/\mathcal{B}^{ZZ}$, $\mathcal{B}^{\mu\mu}/\mathcal{B}^{ZZ}$, $\mathcal{B}^{WW}/\mathcal{B}^{ZZ}$, $\mathcal{B}^{\gamma\gamma}/\mathcal{B}^{ZZ}$
Couplings, SM loops	45.6% (5.71)	6	κ_Z, κ_W, κ_t, κ_τ, κ_b, κ_μ
Couplings vs. mass	16.8% (3.57)	2	M, ϵ
Couplings, BSM loops	18.5% (11.3)	8	κ_Z, κ_W, κ_t, κ_τ, κ_b, κ_μ, κ_γ, κ_g
Couplings, BSM loops and decays including $H \to$ invisible channels	32.4% (11.5)	10	κ_Z, κ_W, κ_t, κ_τ, κ_b, κ_μ, κ_γ, κ_g, $\mathcal{B}_{inv}$, $\mathcal{B}_{undet}$
Ratios of coupling modifiers	18.1% (11.4)	8	κ_{gZ}, λ_{WZ}, $\lambda_{\gamma Z}$, λ_{tg}, λ_{bZ}, $\lambda_{\tau Z}$, $\lambda_{\mu Z}$, λ_{Zg}
Fermion and vector couplings	16.9% (3.55)	2	κ_F, κ_V
Fermion and vector couplings, per decay mode	76.7% (8.2)	12	κ^{bb}_F, $\kappa^{\tau\tau}_F$, $\kappa^{\mu\mu}_F$, κ^{WW}_F, κ^{ZZ}_F, $\kappa^{\gamma\gamma}_F$, κ^{bb}_V, $\kappa^{\tau\tau}_V$, $\kappa^{\mu\mu}_V$, κ^{WW}_V, κ^{ZZ}_V, $\kappa^{\gamma\gamma}_V$
Up vs. down-type couplings	25.5% (4.06)	3	λ_{Vu}, λ_{du}, κ_{uu}
Lepton vs. quark couplings	27.2% (3.91)	3	λ_{lq}, λ_{Vq}, κ_{qq}