Parameterisation	p-value	DOF	Parameters
Global signal strength	40%	1	μ
Production processes	24%	5	$\mu_{gg\mathrm{F}}$, μ_{VBF}, μ_{WH}, μ_{ZH}, μ_{ttH}
Decay modes	65%	5	$\mu^{\gamma\gamma}$, μ^{ZZ}, μ^{WW}, $\mu^{\tau\tau}$, μ^{bb}
Decay modes with $H \to \mu\mu$	75%	6	$\mu^{\gamma\gamma}$, μ^{ZZ}, μ^{WW}, $\mu^{\tau\tau}$, μ^{bb}, $\mu^{\mu\mu}$
μ_V and μ_F per decay	90%	10	$\mu_V^{\gamma\gamma}$, μ_V^{ZZ}, μ_V^{WW}, $\mu_V^{\tau\tau}$, μ_V^{bb}, $\mu_F^{\gamma\gamma}$, μ_F^{ZZ}, μ_F^{WW}, $\mu_F^{\tau\tau}$, μ_F^{bb}
μ_V/μ_F ratio	75%	6	μ_V/μ_F, $\mu_F^{\gamma\gamma}$, μ_F^{ZZ}, μ_F^{WW}, $\mu_F^{\tau\tau}$, μ_F^{bb}
$\sigma_i \cdot \mathrm{B}^f$ product	20%	23	$(\sigma\cdot\mathrm{B})^{\gamma\gamma}_{gg\mathrm{F}}$, $(\sigma\cdot\mathrm{B})^{ZZ}_{gg\mathrm{F}}$, $(\sigma\cdot\mathrm{B})^{WW}_{gg\mathrm{F}}$, $(\sigma\cdot\mathrm{B})^{\tau\tau}_{gg\mathrm{F}}$, $(\sigma\cdot\mathrm{B})^{\gamma\gamma}_{\mathrm{VBF}}$, $(\sigma\cdot\mathrm{B})^{ZZ}_{\mathrm{VBF}}$, $(\sigma\cdot\mathrm{B})^{WW}_{\mathrm{VBF}}$, $(\sigma\cdot\mathrm{B})^{\tau\tau}_{\mathrm{VBF}}$, $(\sigma\cdot\mathrm{B})^{\gamma\gamma}_{WH}$, $(\sigma\cdot\mathrm{B})^{ZZ}_{WH}$, $(\sigma\cdot\mathrm{B})^{WW}_{WH}$, $(\sigma\cdot\mathrm{B})^{\tau\tau}_{WH}$, $(\sigma\cdot\mathrm{B})^{bb}_{WH}$, $(\sigma\cdot\mathrm{B})^{\gamma\gamma}_{ZH}$, $(\sigma\cdot\mathrm{B})^{ZZ}_{ZH}$, $(\sigma\cdot\mathrm{B})^{WW}_{ZH}$, $(\sigma\cdot\mathrm{B})^{\tau\tau}_{ZH}$, $(\sigma\cdot\mathrm{B})^{bb}_{ZH}$, $(\sigma\cdot\mathrm{B})^{\gamma\gamma}_{ttH}$, $(\sigma\cdot\mathrm{B})^{ZZ}_{ttH}$, $(\sigma\cdot\mathrm{B})^{WW}_{ttH}$, $(\sigma\cdot\mathrm{B})^{\tau\tau}_{ttH}$, $(\sigma\cdot\mathrm{B})^{bb}_{ttH}$
Ratios of σ and BR relative to $\sigma(gg \to H \to ZZ)$	16%	9	$\sigma(gg \to H \to ZZ)$, $\sigma_{\mathrm{VBF}}/\sigma_{gg\mathrm{F}}$, $\sigma_{WH}/\sigma_{gg\mathrm{F}}$, $\sigma_{ZH}/\sigma_{gg\mathrm{F}}$, $\sigma_{ttH}/\sigma_{gg\mathrm{F}}$, $\mathrm{B}^{WW}/\mathrm{B}^{ZZ}$, $\mathrm{B}^{\gamma\gamma}/\mathrm{B}^{ZZ}$, $\mathrm{B}^{\tau\tau}/\mathrm{B}^{ZZ}$, $\mathrm{B}^{bb}/\mathrm{B}^{ZZ}$
Ratios of σ and BR relative to $\sigma(gg \to H \to ZZ)$ and 7/8 TeV	26%	14	$\sigma(gg \to H \to ZZ)$, $\sigma_{\mathrm{VBF}}/\sigma_{gg\mathrm{F}}$, $\sigma_{WH}/\sigma_{gg\mathrm{F}}$, $\sigma_{ZH}/\sigma_{gg\mathrm{F}}$, $\sigma_{ttH}/\sigma_{gg\mathrm{F}}$, $\mathrm{B}^{WW}/\mathrm{B}^{ZZ}$, $\mathrm{B}^{\gamma\gamma}/\mathrm{B}^{ZZ}$, $\mathrm{B}^{\tau\tau}/\mathrm{B}^{ZZ}$, $\mathrm{B}^{bb}/\mathrm{B}^{ZZ}$, $\sigma^{7\mathrm{TeV}}_{gg\mathrm{F}}/\sigma^{8\mathrm{TeV}}_{gg\mathrm{F}}$, $\sigma^{7\mathrm{TeV}}_{\mathrm{VBF}}/\sigma^{8\mathrm{TeV}}_{\mathrm{VBF}}$, $\sigma^{7\mathrm{TeV}}_{WH}/\sigma^{8\mathrm{TeV}}_{WH}$, $\sigma^{7\mathrm{TeV}}_{ZH}/\sigma^{8\mathrm{TeV}}_{ZH}$, $\sigma^{7\mathrm{TeV}}_{ttH}/\sigma^{8\mathrm{TeV}}_{ttH}$
Coupling ratios	12%	7	κ_{gZ}, λ_{Zg}, λ_{tg}, λ_{WZ}, $\lambda_{\gamma Z}$, $\lambda_{\tau Z}$, λ_{bZ}
Couplings, SM loops	74%	6	κ_Z, κ_W, κ_t, κ_τ, κ_b, κ_μ
Couplings vs mass	55%	2	M, ϵ
Couplings, BSM loops	11%	7	κ_Z, κ_W, κ_t, κ_τ, κ_b, κ_g, κ_γ
BSM loops only	87%	2	κ_g, κ_γ
Fermion and vector couplings	64%	2	λ_{FV}, κ_{VV}
Up vs down couplings	72%	3	λ_{du}, λ_{Vu}, κ_{uu}
Lepton vs quark couplings	79%	3	λ_{lq}, λ_{Vq}, κ_{qq}