
σ and BR ratio model

Coupling-strength ratio model

$$\sigma(gg \rightarrow H \rightarrow ZZ)$$

$$\kappa_{gZ} = \kappa_g \cdot \kappa_Z / \kappa_H$$

$$\sigma_{VBF} / \sigma_{ggF}$$

$$\sigma_{WH} / \sigma_{ggF}$$

$$\sigma_{ZH} / \sigma_{ggF}$$

$$\sigma_{ttH} / \sigma_{ggF}$$

$$\text{BR}^{WW} / \text{BR}^{ZZ}$$

$$\text{BR}^{\gamma\gamma} / \text{BR}^{ZZ}$$

$$\text{BR}^{\tau\tau} / \text{BR}^{ZZ}$$

$$\text{BR}^{bb} / \text{BR}^{ZZ}$$

$$\lambda_{Zg} = \kappa_Z / \kappa_g$$

$$\lambda_{tg} = \kappa_t / \kappa_g$$

$$\lambda_{WZ} = \kappa_W / \kappa_Z$$

$$\lambda_{\gamma Z} = \kappa_\gamma / \kappa_Z$$

$$\lambda_{\tau Z} = \kappa_\tau / \kappa_Z$$

$$\lambda_{bZ} = \kappa_b / \kappa_Z$$
