

ATLAS Preliminary

$\sqrt{s} = 7 \text{ TeV}, 4.5 - 4.7 \text{ fb}^{-1}$ $\sqrt{s} = 8 \text{ TeV}, 20.3 \text{ fb}^{-1}$

68% CL: ■ ●
 95% CL: — —
 $\kappa_V < 1$ $\kappa_{\text{off}} = \kappa_{\text{on}}$

(95% CL) $\kappa_V > 0.85$

$$\kappa_V = 1.08^{+0.25}_{-0.11}$$

$\kappa_F = 1.01 \pm 0.19$

$$\kappa_F = 1.08^{+0.29}_{-0.20}$$

$\kappa_Y = 1.00 \pm 0.13$

$$\kappa_Y = 1.05^{+0.29}_{-0.15}$$

$\kappa_g = 1.13^{+0.21}_{-0.18}$

$$\kappa_g = 1.18^{+0.31}_{-0.16}$$

(95% CL) $\kappa_{Z\gamma} < 3.3$

(95% CL) $\kappa_{Z\gamma} < 4.3$

(95% CL) $BR_{i,u.} < 0.27$

(95% CL) $BR_{i,u.} < 0.54$

$\frac{\Gamma_H}{\Gamma_{\text{SM}}} = 1.05^{+0.34}_{-0.25}$

$$\frac{\Gamma_H}{\Gamma_{\text{SM}}} = 1.23^{+1.45}_{-0.34}$$

$m_H = 125.36 \text{ GeV}$

0 0.5 1 1.5 2 2.5 3 3.5

Parameter value