

95% CL $\sigma_{\text{ggF} + \text{VBF HH}}$ Limit [fb]**ATLAS Internal** $\sqrt{s} = 13 \text{ TeV}, 126 \text{ fb}^{-1}$

Combined ggF and VBF Regions

— Observed Limit (95% CL)

- - - Expected Limit (95% CL)

Expected Limit $\pm 1\sigma$ Expected Limit $\pm 2\sigma$

— Theory Prediction

☆ SM Prediction

Observed: $\kappa_{2V} \in [0.01, 2.06]$ Expected: $\kappa_{2V} \in [0.01, 2.07]$ $\kappa_{2V} (\kappa_\lambda=1.0, \kappa_V=1.0)$ 