

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:  $\kappa_\lambda \in [-4.8, 12.4]$ Expected:  $\kappa_\lambda \in [-4.2, 10.5]$  $\kappa_\lambda (\kappa_{2V}=1.0, \kappa_V=1.0)$