

# **ATLAS** Preliminary

$\sqrt{s} = 13 \text{ TeV}, 126\text{--}139 \text{ fb}^{-1}$

$\sigma_{\text{ggF} + \text{VBF}}^{\text{SM}}(HH) = 32.7 \text{ fb}$

- Observed limit
- ..... Expected limit ( $\mu_{HH} = 0$  hypothesis)
- Expected limit  $\pm 1\sigma$
- Expected limit  $\pm 2\sigma$
- - - Expected limit (SM hypothesis)

