

**ATLAS**

$\sqrt{s} = 13 \text{ TeV}, 126\text{--}140 \text{ fb}^{-1}$

$\sigma_{\text{VBF}}^{\text{SM}}(HH) = 1.73 \text{ fb}$

- Observed limit (95% CL)
- ⋯ Expected limit (95% CL)  
( $\mu_{HH} = 0$  hypothesis)
- Expected limit  $\pm 1\sigma$
- Expected limit  $\pm 2\sigma$

