

***ATLAS* and *CMS* Preliminary**
***LHC* Run 2**

$\sqrt{s} = 13 \text{ TeV}$

$\sigma_{\text{VBF}}^{\text{SM}}(HH) = 1.726 \text{ fb}$

$\mu_{HH}^{ggF} = 1$

- Observed
- - - - Expected
- Expected $\pm 1\sigma$
- Expected $\pm 2\sigma$

Obs.

Exp.

CMS

75

92

ATLAS

44

48

Combined

35

41

95% CL upper limit on HH signal strength μ_{HH}^{VBF}