

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

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

$\sigma_{\text{ggF} + \text{VBF}}^{\text{SM}}(HH) = 32.8 \text{ fb}$

$\mu_{HH}^{\text{Asimov}} = 0$

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

Obs.

Exp.

CMS

3.5

2.6

ATLAS

2.9

2.4

Combined

2.5

1.7

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