

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

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

$$\sigma_{\text{ggF} + \text{VBF}}^{\text{SM}}(HH) = 32.8^{+2.1}_{-7.0} \text{ fb}$$

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

Obs.

Exp.

CMS

102

77

ATLAS

86

71

Combined

73

50

$\sigma_{\text{ggF} + \text{VBF}}(HH) \text{ [fb]}$