

| Expected limit | 2016 | 2017 | 2018 | Run 2 |
|--|------|------|------|-------|
| $\sigma_{\text{ggF+VBF}}(\text{pp} \rightarrow \text{HH} \rightarrow \text{bb}\tau\tau) / \sigma_{\text{ggF+VBF}}^{\text{SM}}$ | 10.6 | 11.7 | 8.2 | 5.2 |
| $\sigma_{\text{ggF+VBF}}(\text{pp} \rightarrow \text{HH} \rightarrow \text{bb}\tau\tau)$ [fb] | 23.6 | 26.0 | 18.2 | 11.6 |
| $\sigma_{\text{ggF+VBF}}(\text{pp} \rightarrow \text{HH})$ [fb] | 324 | 356 | 249 | 159 |
| Observed limit | 2016 | 2017 | 2018 | Run 2 |
| $\sigma_{\text{ggF+VBF}}(\text{pp} \rightarrow \text{HH} \rightarrow \text{bb}\tau\tau) / \sigma_{\text{ggF+VBF}}^{\text{SM}}$ | 8.9 | 9.5 | 5.5 | 3.3 |
| $\sigma_{\text{ggF+VBF}}(\text{pp} \rightarrow \text{HH} \rightarrow \text{bb}\tau\tau)$ [fb] | 19.6 | 21.2 | 12.4 | 7.5 |
| $\sigma_{\text{ggF+VBF}}(\text{pp} \rightarrow \text{HH})$ [fb] | 272 | 291 | 169 | 102 |