

Expected limit	2016	2017	2018	Run 2
$\sigma_{\text{VBF}}(\text{pp} \rightarrow \text{qqHH} \rightarrow \text{bb}\tau\tau) / \sigma_{\text{VBF}}^{\text{SM}}$	357	392	226	154
$\sigma_{\text{VBF}}(\text{pp} \rightarrow \text{qqHH} \rightarrow \text{bb}\tau\tau)$ [fb]	45.0	49.3	28.5	19.4
$\sigma_{\text{VBF}}(\text{pp} \rightarrow \text{qqHH})$ [fb]	616	676	391	266
Observed limit	2016	2017	2018	Run 2
$\sigma_{\text{VBF}}(\text{pp} \rightarrow \text{HH} \rightarrow \text{bb}\tau\tau) / \sigma_{\text{VBF}}^{\text{SM}}$	283	280	241	124
$\sigma_{\text{VBF}}(\text{pp} \rightarrow \text{HH} \rightarrow \text{bb}\tau\tau)$ [fb]	35.6	35.3	30.2	15.5
$\sigma_{\text{VBF}}(\text{pp} \rightarrow \text{qqHH})$ [fb]	487	485	414	212