

STXS stage 0

| Parameters | $\sigma\mathcal{B}$ [fb] | | | $\sigma\mathcal{B}/(\sigma\mathcal{B})_{\text{SM}}$ | |
|------------|----------------------------------------|-------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|-----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| | SM prediction ($m_H = 125.38$ GeV) | Observed (Expected) | | | Observed (Expected) Best fit |
| | | Best fit | Stat unc. | Syst unc. | |
| ggH | $102.04^{+6.82}_{-6.78}$ | $101.12^{+9.49}_{-10.31} \left(\begin{smallmatrix} +10.31 \\ -10.00 \end{smallmatrix} \right)$ | $+9.18 \left(\begin{smallmatrix} +9.59 \\ -9.49 \end{smallmatrix} \right)$ | $+2.55 \left(\begin{smallmatrix} +3.88 \\ -3.30 \end{smallmatrix} \right)$ | $0.99^{+0.09}_{-0.10} \left(\begin{smallmatrix} +0.10 \\ -0.10 \end{smallmatrix} \right)$ |
| qqH | $4.62^{+0.45}_{-0.44}$ | $4.21^{+1.16}_{-1.11} \left(\begin{smallmatrix} +1.22 \\ -1.16 \end{smallmatrix} \right)$ | $+1.12 \left(\begin{smallmatrix} +1.17 \\ -1.13 \end{smallmatrix} \right)$ | $+0.32 \left(\begin{smallmatrix} +0.35 \\ -0.27 \end{smallmatrix} \right)$ | $0.91^{+0.25}_{-0.24} \left(\begin{smallmatrix} +0.26 \\ -0.25 \end{smallmatrix} \right)$ |
| WH lep | $0.88^{+0.03}_{-0.03}$ | $0.39^{+0.41}_{-0.35} \left(\begin{smallmatrix} +0.45 \\ -0.40 \end{smallmatrix} \right)$ | $+0.41 \left(\begin{smallmatrix} +0.45 \\ -0.40 \end{smallmatrix} \right)$ | $+0.03 \left(\begin{smallmatrix} +0.06 \\ -0.06 \end{smallmatrix} \right)$ | $0.44^{+0.47}_{-0.40} \left(\begin{smallmatrix} +0.51 \\ -0.45 \end{smallmatrix} \right)$ |
| ZH lep | $0.53^{+0.02}_{-0.02}$ | $0.55^{+0.36}_{-0.29} \left(\begin{smallmatrix} +0.38 \\ -0.33 \end{smallmatrix} \right)$ | $+0.36 \left(\begin{smallmatrix} +0.38 \\ -0.33 \end{smallmatrix} \right)$ | $+0.03 \left(\begin{smallmatrix} +0.03 \\ -0.01 \end{smallmatrix} \right)$ | $1.04^{+0.68}_{-0.55} \left(\begin{smallmatrix} +0.72 \\ -0.61 \end{smallmatrix} \right)$ |
| ttH | $1.13^{+0.08}_{-0.11}$ | $1.37^{+0.44}_{-0.41} \left(\begin{smallmatrix} +0.41 \\ -0.41 \end{smallmatrix} \right)$ | $+0.43 \left(\begin{smallmatrix} +0.40 \\ -0.41 \end{smallmatrix} \right)$ | $+0.10 \left(\begin{smallmatrix} +0.08 \\ -0.05 \end{smallmatrix} \right)$ | $1.21^{+0.39}_{-0.36} \left(\begin{smallmatrix} +0.36 \\ -0.36 \end{smallmatrix} \right)$ |
| tH | $0.20^{+0.01}_{-0.03}$ | $0.77^{+0.77}_{-0.69} \left(\begin{smallmatrix} +0.72 \\ -0.20 \end{smallmatrix} \right)$ | $+0.76 \left(\begin{smallmatrix} +0.72 \\ -0.68 \end{smallmatrix} \right)$ | $+0.14 \left(\begin{smallmatrix} +0.08 \\ -0.08 \end{smallmatrix} \right)$ | $3.78^{+3.79}_{-3.37} \left(\begin{smallmatrix} +3.53 \\ -1.00 \end{smallmatrix} \right)$ |