| Signal process | $\mathcal{A}_{\text{fid}}$ | $\epsilon$ | $f_{\text{nonfid}}$ | $(1 + f_{\text{nonfid}})\epsilon$ |
|---|---|---|---|---|
| Individual Higgs boson production modes | | | | |
| gg → H (POWHEG+JHUGEN) | $0.422 \pm 0.001$ | $0.647 \pm 0.002$ | $0.053 \pm 0.001$ | $0.681 \pm 0.002$ |
| VBF (POWHEG) | $0.476 \pm 0.003$ | $0.652 \pm 0.005$ | $0.040 \pm 0.002$ | $0.678 \pm 0.005$ |
| WH (PYTHIA) | $0.342 \pm 0.002$ | $0.627 \pm 0.003$ | $0.072 \pm 0.002$ | $0.672 \pm 0.003$ |
| ZH (PYTHIA) | $0.348 \pm 0.003$ | $0.634 \pm 0.004$ | $0.072 \pm 0.003$ | $0.679 \pm 0.005$ |
| $t\bar{t}$H (PYTHIA) | $0.250 \pm 0.003$ | $0.601 \pm 0.008$ | $0.139 \pm 0.008$ | $0.685 \pm 0.010$ |
| Some characteristic models of a Higgs-like boson with exotic decays and properties | | | | |
| $q\bar{q}$ → H($J^{CP} = 1^-$) (JHUGEN) | $0.238 \pm 0.001$ | $0.609 \pm 0.002$ | $0.054 \pm 0.001$ | $0.642 \pm 0.002$ |
| $q\bar{q}$ → H($J^{CP} = 1^+$) (JHUGEN) | $0.283 \pm 0.001$ | $0.619 \pm 0.002$ | $0.051 \pm 0.001$ | $0.651 \pm 0.002$ |
| gg → H → $Z\gamma^*$ (JHUGEN) | $0.156 \pm 0.001$ | $0.622 \pm 0.002$ | $0.073 \pm 0.001$ | $0.667 \pm 0.002$ |
| gg → H → $\gamma^*\gamma^*$ (JHUGEN) | $0.188 \pm 0.001$ | $0.629 \pm 0.002$ | $0.066 \pm 0.001$ | $0.671 \pm 0.002$ |