

- Observed
- Expected
- Expected (SM $m_H = 125 \text{ GeV}$)
- $\sigma/\sigma_{\text{SM}} = 1$

 $H \rightarrow Z\gamma \rightarrow ll\gamma$, Lepton tag $H \rightarrow Z\gamma \rightarrow ee\gamma$, Untagged 1 $H \rightarrow Z\gamma \rightarrow ee\gamma$, Untagged 2 $H \rightarrow Z\gamma \rightarrow ee\gamma$, Untagged 3 $H \rightarrow Z\gamma \rightarrow ee\gamma$, Untagged 4 $H \rightarrow Z\gamma \rightarrow ee\gamma$, Dijet tag $H \rightarrow Z\gamma \rightarrow ee\gamma$, Boosted $H \rightarrow Z\gamma \rightarrow \mu\mu\gamma$, Untagged 1 $H \rightarrow Z\gamma \rightarrow \mu\mu\gamma$, Untagged 2 $H \rightarrow Z\gamma \rightarrow \mu\mu\gamma$, Untagged 3 $H \rightarrow Z\gamma \rightarrow \mu\mu\gamma$, Untagged 4 $H \rightarrow Z\gamma \rightarrow \mu\mu\gamma$, Dijet tag $H \rightarrow Z\gamma \rightarrow \mu\mu\gamma$, Boosted $H \rightarrow \gamma^*\gamma \rightarrow \mu\mu\gamma$, EE $H \rightarrow \gamma^*\gamma \rightarrow \mu\mu\gamma$, Dijet tag $H \rightarrow \gamma^*\gamma \rightarrow \mu\mu\gamma$, EB Low R9 $H \rightarrow \gamma^*\gamma \rightarrow \mu\mu\gamma$, EB High R9 $H \rightarrow Z\gamma \rightarrow ll\gamma$, Combined $H \rightarrow \gamma^*\gamma \rightarrow \mu\mu\gamma$, Combined **$H \rightarrow ll\gamma$, Combined**

1 10 10^2

95% CL upper limit on $\sigma/\sigma_{\text{SM}}$