

CMS $137 \text{ fb}^{-1} (13 \text{ TeV})$ $S/(S+B)$ Weighted Events / GeV $H \rightarrow \gamma\gamma, m_H = 125.38 \text{ GeV}$ $(\hat{\mu}_{\text{ggH}}, \hat{\mu}_{\text{VBF}}, \hat{\mu}_{\text{VH}}, \hat{\mu}_{\text{top}}) = (1.07, 1.04, 1.34, 1.35)$

All top Categories

 $S/(S+B)$ weighted

• Data

— $S+B$ fit

- - - B component

 $\pm 1 \sigma$ $\pm 2 \sigma$ 