

Events

ATLAS

WorkInProgress

 $\sqrt{s} = 13.6 \text{ TeV}, 25.8 \text{ fb}^{-1}$ $H \rightarrow \gamma \gamma_d$

SR

Pre-Fit

ggF

WH_{dark}W γ e $\tilde{\nu}$ $\rightarrow \gamma$ Z γ VBF_{dark}ZH_{dark}j $\tilde{\nu}$ $\rightarrow \gamma$ γj (direct)

Uncertainty

Data / Bkg.

 10^4 10^3 10^2

10

1

1.25

0.75

0.5

100

150

200

250

300

 $m_T(\gamma, E_T^{\text{miss}}) [\text{GeV}]$ 