

$\Delta\hat{\mu}_H$

-0.2 -0.1 0 0.1 0.2

Jet Energy Resolution
ggF Yield (Photon)
Jet Energy Scale Pile-up ρ Topology
ggF Scale Uncert. nJet Bin Migration 1 \rightarrow 2 (All Had.)
ggF Scale Uncert. VBF Topology 3J Veto (All Had.)
ggF Scale Uncert. VBF Topology 3J (All Had.)
Jet Energy Scale Jet Flavor Composition
VBF μ_R and μ_F Scales
Parton Shower Modelling
PDF Uncert. (All Had.)
ggF Scale Uncert. $p_T(H) > 120$ GeV (All Had.)
q/g-tagging # Charged Particles Extrapolation
VH Yield
ggF Scale Uncert. top quark mass (All Had.)
Luminosity
Jet Energy Scale η Intercalibration Non-Closure
Jet Energy Scale b-jet Response
b-tagging Efficiency Scale Factor NP0 (77% WP)
Jet Energy Scale η Intercalibration Modelling
b-tagging Efficiency Scale Factor NP0 (70% WP)
ggF Scale Uncert. $p_T(H) > 60$ GeV (All Had.)
Jet Energy Scale Pile-up p_T Term
b-tagging Efficiency Scale Factor NP1 (70% WP)
ggF Scale Uncert. μ_F (All Had.)
ggF Scale Uncert. μ_R (All Had.)
Spurious Signal 4 central SRIV (All Had.)
Jet Energy Scale Flavor Response

 $H \rightarrow b\bar{b}$

—●— Pull

 $m_H = 125$ GeVPostfit Impact on $\hat{\mu}$

-2 -1.5 -1 -0.5 0 0.5 1 1.5 2

 $(\hat{\theta} - \theta_0)/\Delta\theta$ **ATLAS**