

ATLAS

● Total Unc.

■ Syst. only

■ Stat. only

■ SM + Theory

$\sqrt{s} = 13 \text{ TeV}, 140 \text{ fb}^{-1}, m_H = 125.09 \text{ GeV}$ **Total** (StatSyst.)

$\hat{p}_T^H \in [0, 60) \text{ GeV}$

2.03 $+1.45$ $+1.37$
 -1.36 -1.31 0.46

$\hat{p}_T^H \in [60, 120) \text{ GeV}$

1.94 $+1.26$ $+1.11$
 -1.13 -1.05 0.59

$\hat{p}_T^H \in [120, 200) \text{ GeV}$

0.28 $+0.94$ $+0.85$
 -0.91 -0.79 0.41

$\hat{p}_T^H \in [200, 300) \text{ GeV}$

1.53 $+1.02$ $+0.95$
 -0.93 -0.88 0.38

$\hat{p}_T^H \in [300, 450) \text{ GeV}$

-0.58 $+1.09$ $+1.02$
 -1.04 -0.93 0.39

$\hat{p}_T^H \in [450, \infty) \text{ GeV}$

-0.75 $+1.92$ $+1.87$
 -1.55 -1.52 0.43

Inclusive

1.04 $+0.36$ $+0.27$
 -0.33 -0.26 0.23

$\sigma_{t\bar{t}H} / \sigma^{\text{SM}}$