

$\chi^2 / \text{n df} = 0.526$ , pred diff = 1.588%, norm = 0.133

MAY21-Qs45-UL

**ATLAS Internal**

$\sqrt{s} = 13 \text{ TeV}$ , 2018 57.7 fb $^{-1}$

ggF Signal Region,  $X_{\text{Wt}} > 1.5$



Reweighted 2b Data (9570.6  $\pm$  1123.0)



Stat. + Syst. Error



4b Data (9421.0  $\pm$  97.0)

800

600

400

200

0

4b / 2b

1.5

1.0

0.5

4.0

4.5

5.0

5.5

6.0

HC Jet 2 log( $p_{\text{T}}$ )