

Events / 0.2

**ATLAS** Internal

$\mathcal{L} = 36.1 \text{ fb}^{-1}$ ,  $\sqrt{s} = 13 \text{ TeV}$

ttbar Control Region (LP)

VBF region

$\mu$  channel

—●— Data (2015+2016)

■ w+jets

■ ttbar

■ single-top

■ dibosons

■ z+jets

▨ SM total ( $\sigma_{\text{stat}}^{\text{MC}}$  only)

$10^4$

$10^3$

$10^2$

10

1

Data / MC

1.5

0.5

-3

-2

-1

0

1

2

3

$\phi(\text{J})$

