

35.9 fb<sup>-1</sup> (13 TeV)

Events / bin

**CMS**Single- $\mu$  sample

AK8 jets

 $p_T^{\text{jet}} > 500$  GeV $|\eta^{\text{jet}}| < 2.4$ 

SM (Herwig)

● Data

■  $t\bar{t}$ 

■ Single t

■ QCD multijet

■ W+jets

■  $t\bar{t}V$ 

■ VV

■ Bkg unc (stat)

▨ Bkg unc (stat+syst)

 $N_{\text{obs}} / N_{\text{exp}}$ 

1.5

1

0.5

0

0.05

0.1

0.15

0.2

0.25

0.3

0.35

0.4

0.45

 $N_2$ 