

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

$\times 10^3$

Events

100

50

0

$\frac{\text{Data}}{\text{Pred.}}$

1.1

1.0

0.9

● Data

■  $t\bar{t}$  signal

■  $t\bar{t}$  other

■ Single t

■ W+jets

■ Z+jets

■  $t\bar{t}+Z/W$

■ Diboson

▨ Uncertainty

$0 < m_{t\bar{t}} \leq 450$

$450 < m_{t\bar{t}} \leq 600$

$600 < m_{t\bar{t}} \leq 800$

$m_{t\bar{t}} > 800$

-1.0

0

1.0

0

1.0

0

1.0

0

1.0

$\cos\theta_1^{k*}$

