

\*: normalised to total Bkg.

Events

1000

$\sqrt{s} = 13 \text{ TeV}, 140 \text{ fb}^{-1}$

tHq(2IOS+1 $\tau$ )

PR

Pre-Fit

● Data

---  $tHq^*$

$tWH$

$tWZ$

$t\bar{t}$

$t\bar{t}W$

$t\bar{t}Z$

$t\bar{t}H$

$tZq$

$tW$

Z+jets

Diboson

minor bkg

Uncertainty

600

400

200

0

Data / Bkg.

1.1

1

0.9

0.8

$\chi^2/\text{ndf} = 10.6 / 11$

$\chi^2\text{prob} = 0.48$

$\Delta\eta(\text{forward non-}b\text{-tagged jet, leading } b\text{-tagged jet})$

