

\*: normalised to total Bkg.

Events

2200

2000

1800

1600

1400

1200

1000

800

600

400

200

0

Data / Bkg.

1.3

1

0.7

0.4

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

tHq(2lOS+ $\tau$ )

PR

Pre-Fit

● Data

$tWH$

$t\bar{t}$

$t\bar{t}Z$

$tZq$

Z+jets

minor bkg's

---  $tHq^*$

$tWZ$

$t\bar{t}W$

$t\bar{t}H$

$tW$

Diboson

Uncertainty

$\chi^2/\text{ndf} = 22.4 / 27$   $\chi^2\text{prob} = 0.71$

Visible mass (top quark) [GeV]

