

$\tau^{3\text{prong}} + \text{jets}$ $\geq 3 \text{ jets}$ $\geq 1 \text{ b-tags}$ **ATLAS** Internal $\chi^2/\text{ndf} = 0.8$ **KS = 0.9753** $\int \mathcal{L} \, dt = 20.3 \text{ fb}^{-1}$
 $\sqrt{s} = 8 \text{ TeV}$

- $t\bar{t} \rightarrow e, \mu, \tau$ (554.9 evts)
- Singletop (29.0 evts)
- Wjets (5.4 evts)
- Zjets (23.6 evts)
- Diboson (1.1 evts)
- Fakes (437.8 evts)
- Data (1151 evts)

250

200

150

100

50

Data/Pred.

● data stat. unc.

▨ MC stat. unc.

1.6

1.4

1.2

1.0

0.8

0.6

0.4

-2.5

-2.0

-1.5

-1.0

-0.5

0.0

0.5

1.0

1.5

2.0

2.5

 $\tau \eta$