

$\tau^{1\text{prong}} + \text{jets}$ $\geq 4 \text{ jets}$ $= 0 \text{ b-tags}$

ATLAS Internal

 $\chi^2/\text{ndf} = 0.5$

KS = 0.9999

 $\int \mathcal{L} \, dt = 20.3 \text{ fb}^{-1}$
 $\sqrt{s} = 8 \text{ TeV}$

- $t\bar{t} \rightarrow e, \mu, \tau$ (60.6 evts)
- Singletop (3.9 evts)
- Wjets (0.0 evts)
- Zjets (154.4 evts)
- Diboson (3.3 evts)
- Fakes (335.0 evts)
- Data (549 evts)

100

80

60

40

20

Data/Pred.

1.6

1.4

1.2

1.0

0.8

0.6

0.4

● data stat. unc.

■ MC stat. unc.

-2.5

-2

-1.5

-1

-0.5

0

0.5

1

1.5

2

2.5

 $\tau \eta$