

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

ATLAS Internal

 $\chi^2/\text{ndf} = 8.6$

KS = 0.0001

 $\int \mathcal{L} \, dt = 19.5 \text{ fb}^{-1}$
 $\sqrt{s} = 8 \text{ TeV}$

- $t\bar{t} \rightarrow e, \mu, \tau$ (3492.1 evts)
- Singletop (132.6 evts)
- Wjets (71.5 evts)
- Zjets (49.3 evts)
- Diboson (0.0 evts)
- Fakes (49701.0 evts)
- Data (48515 evts)

9000

8000

7000

6000

5000

4000

3000

2000

1000

Data/Pred.

1.6

1.4

1.2

1.0

0.8

0.6

9000

8000

7000

6000

5000

4000

3000

2000

1000

• data stat. unc.

▨ MC stat. unc.

-2.5 -2 -1.5 -1 -0.5 0 0.5 1 1.5 2 2.5

 $\tau \eta$