

$\tau^{3\text{prong}} + \text{jets}$ $\geq 3 \text{ jets}$ $= 0 \text{ b-tags}$ **ATLAS** Internal $\chi^2/\text{ndf} = 1.0$

KS = 0.9737

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

- $t\bar{t} \rightarrow e, \mu, \tau$ (113.9 evts)
- Singletop (7.6 evts)
- Wjets (28.3 evts)
- Zjets (126.5 evts)
- Diboson (4.5 evts)
- Fakes (484.9 evts)
- Data (882 evts)

 10^3 10^2

10

1

Data/Pred.

● data stat. unc.

■ MC stat. unc.

1.6

1.4

1.2

1.0

0.8

0.6

0.4

0

50

100

150

200

250

 $\tau \, p_T \text{ [GeV]}$ 