

**CMS****19.7 fb<sup>-1</sup> (8 TeV)****Relative yield** **$h^{\pm}\pi^0s$   
 $20 < p_{\tau}^{\tau} < 30$  GeV** **$\tau$ -ES shift = -6%**

- Observed**
- Z  $\rightarrow$   $\tau\tau$**
- Multijets**
- W + jets**
- DY others**
- t $\bar{t}$**
- Diboson**

0.25

0.2

0.15

0.1

0.05

0

 **$\frac{\text{Data}}{\text{Simulation}}$** 

1.4

1.2

1

0.8

0.6

0.6

0.8

1

 **$m_{\tau}$  [GeV]**