

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

- Observed
- $Z \rightarrow \tau\tau$
- Multijets
- $W + \text{jets}$
- 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_{τ} [GeV]