

probability density

(b)

CMS Simulation,  $\sqrt{s} = 7$  TeV

0.04

—  $10 \text{ GeV} < P_{\text{T}}^{\tau, \text{gen}} < 15 \text{ GeV}$

- -  $30 \text{ GeV} < P_{\text{T}}^{\tau, \text{gen}} < 50 \text{ GeV}$

- - -  $P_{\text{T}}^{\tau, \text{gen}} > 100 \text{ GeV}$

0.02

0

1

2

3

$P_{\text{T}}^{\tau, \text{reco}} / P_{\text{T}}^{\tau, \text{gen}}$

