

$p_T^\gamma = [500.0, 600.0]$ 41.53 fb<sup>-1</sup> (13 TeV)

Fraction of Events

Purity in acceptance: 98.1%  
Purity in full range:  $96.5 \pm 1.3\%$

● Data

— Fit over full range

- - - Real photon template

- - - Fake photon template

1  
 $10^{-1}$   
 $10^{-2}$   
 $10^{-3}$   
 $10^{-4}$   
 $10^{-5}$   
 $10^{-6}$   
 $10^{-7}$

0.004 0.006 0.008 0.01 0.012 0.014 0.016 0.018 0.02

 $\sigma_{i\eta i\eta}$ 