

$p_T^\gamma = [400.0, 500.0]$ 41.53 fb<sup>-1</sup> (13 TeV)

Fraction of Events

**CMS Preliminary**Purity in acceptance: 97.7%  
Purity in full range: 95.5 ± 0.8%

• Data

— Fit over full range

- - - Real photon template

- - - Fake photon template

