

$p_T^\gamma = [250.0, 300.0)$ 41.53 fb<sup>-1</sup> (13 TeV)**CMS Preliminary**

Fraction of Events

Purity in acceptance: 96.4%  
Purity in full range: 94.3 ± 0.3%

• Data

— Fit over full range

- - - Real photon template

- - - Fake photon template

