

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

Fraction of Events

Purity in acceptance: 98.1%  
Purity in full range: 96.5 ± 1.3%

- Data
- Fit over full range
- - Real photon template
- - Fake photon template

