

$p_T^\gamma = [500.0, 600.0]$ 35.9 fb<sup>-1</sup> (13 TeV)

Fraction of Events

Purity in acceptance: 97.9%

Purity in full range: 93.8 ± 1.4%

● Data

— Fit over full range

- - Real photon template

- - Fake photon template

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10<sup>-1</sup>10<sup>-2</sup>10<sup>-3</sup>10<sup>-4</sup>10<sup>-5</sup>10<sup>-6</sup>10<sup>-7</sup>

0.004 0.006 0.008 0.01 0.012 0.014 0.016 0.018 0.02

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