

CMS, $L = 36 \text{ pb}^{-1}$ $\sqrt{s} = 7 \text{ TeV}$

Absolute scale uncertainty [%]

- Total uncertainty
- MPF method
- Photon scale
- Extrapolation
- Offset (2010)
- Residuals
- Jet flavor

Anti- k_T R=0.5 Calo

20

100

200

1000

 p_T (GeV)