

CMS138 fb⁻¹ (13 TeV)

Variation/nominal

1.8
1.6
1.4
1.2
1
0.8

Total

JER

 α_S^{FSR}

Charged ES

MET uncl. energy

PS and Hadronisation

Input cov.

PU

Scale & PDF

Neutral ES

b-tagging

JES

 α_S^{ISR}

L1 prefireing

Photon ES

--- RM stat.

0

0.2

0.4

 $\tau_3^{(0.5)}$ 