

$d\sigma/d\Delta\phi(Z j_1)$ [pb]36.3 fb⁻¹ (13 TeV)**CMS**

Measurement

MG5_aMC + PY8 ($\leq 2j$ NLO) MPIMG5_aMC + PY8 ($\leq 2j$ NLO) no MPIanti- k_T ($R = 0.4$) jets $p_T^{\text{jet}} > 30$ GeV, $|y^{\text{jet}}| < 2.4$ $p_T^Z < 10$ GeV

1

Prediction
Measurement

1.5

1

0.5

Stat \oplus theo \oplus PDF \oplus α_s unc.Prediction
Measurement

1.5

1

0.5

Stat unc.

0

0.5

1

1.5

2

2.5

3

 $\Delta\phi(Z j_1)$ 