

35.9 fb⁻¹ (13 TeV)**CMS** $d\sigma/d|y_Z|$ [pb]

Data

MG5_aMC + PY8 ($\leq 2j$ NLO + PS)MG5_aMC + PY8 ($\leq 4j$ LO + PS)GE + PY8 (NNLL' _{τ} + NNLO₀) $\alpha_s = 0.118$

100

80

60

40

20

0

 $Z/\gamma^* \rightarrow \ell\ell$ $N_{\text{jets}} \geq 1$ $\frac{\text{Prediction}}{\text{Measurement}}$

1.5

1.0

0.5

Stat. \oplus theo. \oplus (PDF \oplus α_s unc.) $\frac{\text{Prediction}}{\text{Measurement}}$

1.5

1.0

0.5

Stat. unc.

 $\frac{\text{Prediction}}{\text{Measurement}}$

1.5

1.0

0.5

Stat. \oplus theo. unc.

0.0

0.4

0.8

1.2

1.6

2.0

2.4

 $|y_Z|$ $d\sigma/d|y_Z|$ [pb]