

13000 GeV pp

Z (Drell-Yan)

CMS, 13 TeV,  $\{Z\gamma^* \rightarrow \#ell^+ \#ell^-\}$ ,  $350 < m_{\#ell\#ell} < 1000$  GeV

- CMS
- ▲ Pythia 8.315 default
- -▲ Pythia 8.315 default-CD
- -▲ Pythia 8.315 default-DL
- ⋯▲ Pythia 8.315 default-MBR

Ratio  $\rightarrow$  Z peak region

$10^{-2}$

$10^{-3}$

$10^{-4}$

(CMS\_2022\_I2079374)

Rivet 4.1.0,  $\geq 3.7$ M events

mcplots.cern.ch [arXiv:2401.10621]

Ratio to CMS

2

1

0.5

2

1

0.5

$p_{T}(\#ell\#ell)$  [GeV]

0

500

1000

