

13000 GeV pp

Z (Drell-Yan)

CMS, 13 TeV, $\{Z\gamma^* \rightarrow \ell\ell^+ \ell\ell^-, 106 < m_{\ell\ell} < 170 \text{ GeV}$ Ratio $\rightarrow$ Z peak region

- CMS
- ▲ Pythia 8.315 default
- ▲ Pythia 8.315 default-noFsr
- ▲ Pythia 8.315 default-noRap

0.1

0.08

0.06

0.04

0.02

(CMS_2022_I2079374)

Rivet 4.1.0, $\geq 2.5\text{M}$ events

mcplots.cern.ch [arXiv:2401.10621]

Ratio to CMS

3

2

1

0.5

2

1

0.5

 $p_T(\ell\ell) [\text{GeV}]$

0

500

1000

0

2

1

0.5

0

0

2

1

0.5

0