

13000 GeV pp

Z (Drell-Yan)

CMS, 13 TeV, $\{Z\gamma^* \rightarrow \ell\ell^+ \ell\ell^-, 50 < m_{\ell\ell} < 76 \text{ GeV}$

■ CMS

---△ Herwig++ Powheg 2.7.1 default

---◇ Sherpa 2.2.6 default

Ratio $\rightarrow$ Z peak region

0.3

0.25

0.2

0.15

0.1

0.05

0

Rivet 4.1.0, $\geq 300k$ events

mcplots.cern.ch [arXiv:1306.3436]

(CMS_2022_I2079374)

Ratio to CMS

2

1

0.5

2

1

0.5

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

0

500

1000