

13000 GeV pp

Z (Drell-Yan)

CMS, 13 TeV, $\{Z\gamma^* \rightarrow \ell\ell^* \ell\ell, 170 < m_{\ell\ell} < 350 \text{ GeV}$

■ CMS
 ---□ Herwig 7.2.1 default

Ratio $\rightarrow$ Z peak region

0.05

0.04

0.03

0.02

0.01

0

2

Ratio to CMS

0.5

0

500

1000

 $p_T(\ell\ell)$ [GeV]

(CMS_2022_I2079374)

Rivet 4.1.0, 2.5M events

mcplots.cern.ch [arXiv:2401.10621]

2

1

0.5

