

13000 GeV pp

Z (Drell-Yan)

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

- CMS
- Pythia 6.427 350
- △— Pythia 6.427 370
- Pythia 6.427 p0
- - □ - - Pythia 6.427 p2010

Ratio $\rightarrow$ Z peak region 10^{-2} 10^{-3} 10^{-4}

(CMS_2022_I2079374)

Ratio to CMS

2

1

0.5

Rivet 4.1.0, $\geq 300k$ events

mcplots.cern.ch [arXiv:2401.10621]

2

1

0.5

 ϕ_η^*

0

1

2

3