

13000 GeV pp

Z (Drell-Yan)

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

- CMS
- - ■ Pythia 6.426 default
- - * Pythia 6.426 pro-q2o

Ratio $\rightarrow$ Z peak region

0.06

0.05

0.04

0.03

0.02

0.01

(CMS_2022_I2079374)

Rivet 4.1.0, $\geq 300k$ events

mcplots.cern.ch [arXiv:2401.10621]

Ratio to CMS

2

1

0.5

2

1

0.5

 ϕ_η^*