

13000 GeV pp

Z (Drell-Yan)

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

- CMS
- △--- Herwig++ Powheg 2.7.1 default
- Herwig 7.2.1 default
- ▲--- Pythia 8.315 default
- ◆--- Sherpa 2.1.1 default

Ratio $\rightarrow$ Z peak region

0.06

0.05

0.04

0.03

0.02

0.01

0.02

0.03

0.04

0.05

0.06

0.07

0.08

0.09

0.10

(CMS_2022_I2079374)

Rivet 4.1.0, $\geq 300k$ events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to CMS

2

1

0.5

2

1

0.5

 ϕ_η^*