

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++ 2.7.1 default
- Herwig 7.2.1 default
- ▲- Pythia 8.315 default
- ▼- Pythia 8.315 vincia-default
- ◆- Sherpa 2.2.6 default

Ratio  $\rightarrow$  Z peak region $10^{-1}$  $10^{-2}$  $10^{-3}$ 

(CMS\_2022\_I2079374)

Rivet 4.1.0,  $\geq 400k$  events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to CMS

2

1

0.5

2

1

0.5

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