

Jets

- CMS
- Herwig++ 2.7.1 default
- Herwig 7.2.1 default
- ▲— Pythia 8.308 default
- .-▼-.- Pythia 8.308 vincia-default
- ...◆... Sherpa 1.4.5 default

■ CMS

Herwig++ 2.7.1 default

Herwig 7.2.1 default

Pythia 8.308 default

Pythia 8.308 vincia-default

Sherpa 1.4.5 default

 $\mathbf{m}^{\mathbf{N}}$

→

$$\frac{1}{\mathbf{d} N / m} \frac{\mathbf{d} p_{\perp}}{\mathbf{d} p_{\perp}^0} \frac{\mathbf{d} p_{\parallel}}{\mathbf{d} p_{\parallel}^0} \frac{\mathbf{d} \lambda}{\mathbf{d} \lambda_0} \frac{\mathbf{d} N}{\mathbf{d} N}$$

Rivet 3.1.10, $\geq 200k$ events

mcplots.cern.ch [arXiv:1306.3436]

CMS_2021_I1920187

Ratio to CMS

2

1

0.5

2

1

0.5

0

20

40

groomed multiplicity (charged-only)