

$$\frac{1}{\#} \frac{dN}{dp_{\perp}} \frac{d^2N}{dp_{\perp} d\lambda}$$
$$\frac{1}{\#} \frac{dN}{dp_1}$$

1

1

1

to CM

■ CMS

—▲— Pythia 8.315 default

--▼-- Pythia 8.315 tune-AU2

Pythia 8.315 tune-AU2lox

-- Pythia 8.315 tune-AU2loxx

Pythia 8.315 tune-AU2m

(CMS_2021_I1920187)

Ratio to CMS

multiplicity

mcplots.cern.ch [arXiv:2401.10621] Rivet 4.1.0, $\geq 100\text{k events}$

2

1

0.5

