

13000 GeV pp

Z+Jet

Groomed  $(p_T^D)^2 \lambda_0^2$  (CMS jet substructure) $\frac{1}{\text{mathrm d}N / \text{mathrm d}p_T \text{mathrm d}\Lambda_0^2}$ 

1

 $\frac{1}{\text{mathrm d}N / \text{mathrm d}p_T \text{mathrm d}\Lambda_0^2}$ 

Ratio to CMS

- CMS
- ▲ Pythia 8.308 default
- ▼ Pythia 8.308 tune-AU2
- ◇ Pythia 8.308 tune-AU2lox
- Pythia 8.308 tune-AU2loxx
- ★ Pythia 8.308 tune-AU2m

CMS\_2021\_I1920187

Rivet 3.1.10,  $\geq 2.7$ M events

mcplots.cern.ch [arXiv:1306.3436]

2

1

0.5

groomed pTD2