

13000 GeV pp

Jets

Groomed $(p_T^D)^2 \lambda_0^2$ (CMS jet substructure)

- CMS
- ▲— Pythia 8.308 default
- -▼- Pythia 8.308 tune-AU2
- ··◇·· Pythia 8.308 tune-AU2lox
- ··□·· Pythia 8.308 tune-AU2lox
- ★— Pythia 8.308 tune-AU2m

 $\frac{1}{N} \frac{dN}{d\lambda_0^2}$ $\frac{1}{N} \frac{dN}{d\lambda_0^2}$ $\frac{1}{N} \frac{dN}{d\lambda_0^2}$ $\frac{1}{N} \frac{dN}{d\lambda_0^2}$ $\frac{1}{N} \frac{dN}{d\lambda_0^2}$ $\frac{1}{N} \frac{dN}{d\lambda_0^2}$ $\frac{1}{N} \frac{dN}{d\lambda_0^2}$ $\frac{1}{N} \frac{dN}{d\lambda_0^2}$ Rivet 3.1.10, ≥ 2.4 M events

mcplots.cern.ch [arXiv:1306.3436]

CMS_2021_11920187

Ratio to CMS

groomed pTD2

