

13000 GeV pp

Jets

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

- CMS
- △— Pythia 6.428 370
- -▲- - Pythia 6.428 371
- ·▼·- Pythia 6.428 372
- ·●·- Pythia 6.428 376

CMS_2021-11920187

Ratio to CMS

Rivet 3.1.10, $\geq 2.2\text{M}$ events

mcplots.cern.ch [arXiv:1306.3436]

2

1

0.5

groomed pTD2