

7000 GeV pp

Soft QCD

Differential jet shape ρ ($p_T^j > 5 \text{ GeV}$, $|h^j| < 1.9$, $80 < N_{\text{ch}} < 110$)

■ CMS

--- ■ Pythia 6.424 default

... ■ Pythia 6.424 pro-q2o

Rivet 3.1.10, $\geq 400k$ events

mcplots.cern.ch [arXiv:1306.3436]

CMS_2013_I1261026

 ρ

0.5

0.4

0.3

0.2

0.1

0

0.1

0.2

0.3

0.4

 R

Ratio to CMS

2

2

1

0.5

0.5

2

1

0

0.1

0.2

0.3

0.4

 R