

7000 GeV pp

Soft QCD

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

■ CMS

—●— Pythia 6.425 default

···★··· Pythia 6.425 pro-q2o

Rivet 3.1.10,  $\geq 300k$  events

mcplots.cern.ch [arXiv:1306.3436]

 $\rho$ 

0.5

0.4

0.3

0.2

0.1

CMS\_2013\_I1261026

Ratio to CMS

0.5

2

1

0

0.1

0.2

0.3

0.4

 $R$ 

1

2

1

0.5

0

0.1

0.2

0.3

0.4

 $R$