

7000 GeV pp

Soft QCD

 $\rho$ Differential jet shape  $(p_T^j > 5 \text{ GeV}, |\eta^j| < 1.9, 110 < N_{ch} < 140)$ 

- CMS
- ▲ Pythia 8.308 default
- ★ Pythia 8.308 tune-4c
- Pythia 8.308 tune-4cx

0.5

0.4

0.3

0.2

0.1

0

0.1

0.2

0.3

0.4

0.5

CMS\_2013\_I1261026

Rivet 3.1.10,  $\geq 2.4\text{M}$  events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to CMS

2

1

0.5

2

1

0.5

0

0.1

0.2

0.3

0.4

R

