

7000 GeV pp

Soft QCD

Intrajet ring  $p_T$  density,  $110 < N_{ch} \leq 140$  $\rho$ 

- CMS
- - ■ Pythia 6.424 default
- - ▲ Pythia 8.210 default

Rivet 4.1.0,  $\geq 100k$  events

mcplots.cern.ch [arXiv:1306.3436]

(CMS\_2013\_I1261026)

Ratio to CMS

 $\rho$ 

2

1

0.5

2

1

0.5

R