

7000 GeV pp

Soft QCD

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

- CMS
- + Epos 1.99.crmc.1.6.0 lhc
- ▼ Herwig 7.2.1 softTune
- ▲ Pythia 8.315 default

0.5

0.4

0.3

0.2

0.1

Rivet 4.1.0,  $\geq 100k$  events

mcplots.cern.ch [arXiv:2401.10621]

(CMS\_2013\_I1261026)

 $\rho$ 

Ratio to CMS

2

1

0.5

2

1

0.5

0 0.1 0.2 0.3 0.4

R

