

7000 GeV pp

Soft QCD

Intrajet ring  $p_T$  density,  $10 < N_{ch} \leq 30$  $\rho$ 

CMS



Pythia 8.135 default

0.6

0.5

0.4

0.3

0.2

0.1

0

Rivet 4.1.0, 100k events

mcplots.cern.ch [arXiv:2401.10621]

(CMS\_2013\_I1261026)

Ratio to CMS

2

1

0.5

2

1

0.5

R

0

0.1

0.2

0.3

0.4