

7000 GeV pp

Soft QCD

Mean  $p_T$ , leading in-jet charged particle

- CMS
- - □ Herwig 7.2.1 default
- - ▲ Pythia 8.315 default

# $\langle p_T \rangle$  [GeV]7  
6  
5  
4  
3  
2  
2  
1  
0.5Rivet 4.1.0,  $\geq 100k$  events

mcplots.cern.ch [arXiv:2401.10621]

(CMS\_2013\_I1261026)

Ratio to CMS

2  
1  
0.5  
 $N_{ch}$ 

0

50

100

 $N_{ch}$