

7000 GeV pp

Soft QCD

Mean  $p_T$ , leading in-jet charged particle

- CMS
- Herwig++ 2.7.1 default
- Herwig++ 2.7.1 UE-EE-5
- Herwig 7.2.1 default

Rivet 4.1.0,  $\geq 100k$  events

mcplots.cern.ch [arXiv:2401.10621]

(CMS\_2013\_I1261026)

Ratio to CMS

2

1

0.5

 $N_{ch}$ # $\langle p_T \rangle$  [GeV]