

7000 GeV pp

Soft QCD

Multiplicity  $\lambda_0^0$  (charged only) (track jets)

1

 $10^{-1}$  $10^{-2}$  $10^{-3}$  $10^{-4}$  $10^{-5}$ 

- ATLAS
- ▲ Pythia 8.308 default
- -▼ Pythia 8.308 tune-AU2
- ·◇ Pythia 8.308 tune-AU2lox
- -□ Pythia 8.308 tune-AU2loxx
- ·★ Pythia 8.308 tune-AU2m

ATLAS\_2011\_I919017

Rivet 3.1.10,  $\geq 2.2$ M events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

2

2

1

0.5

0

5

10

15

N

0

5

10

15

N