

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 6.427 345

Pythia 6.427 346

Pythia 6.427 370

Pythia 6.427 ambt1

Pythia 6.427 z1

Pythia 6.427 z2

ATLAS\_2011\_I919017

Rivet 3.1.10,  $\geq 200k$  events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

2

1

0.5

2

1

0.5

0

5

10

15

N