

7000 GeV pp

Soft QCD

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

1

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

ATLAS



Pythia 6.428 345



Pythia 6.428 346



Pythia 6.428 370



Pythia 6.428 ambt1



Pythia 6.428 z1



Pythia 6.428 z2

ATLAS\_2011\_I919017

Rivet 3.1.10,  $\geq 2.1$ M events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

2

1

0.5

2

1

0.5

0

5

10

15

N

0

5

10

15

N