

7000 GeV pp

Soft QCD

Sum ET ( $4.0 < |\eta| < 4.8$ ,  $p^{\text{ch(neutral)}} > 0.5(0.2)$  GeV) $10^{-1}$  $10^{-2}$  $10^{-3}$ 

- ATLAS
- ▲ Pythia 8.315 default
- -▲ Pythia 8.315 default-CD
- -▲ Pythia 8.315 default-DL
- ...▲ Pythia 8.315 default-MBR

(ATLAS\_2012\_I1183818)

Rivet 4.1.0,  $\geq 100k$  events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

2

1

0.5

2

1

0.5

0 10 20 30 40