

7000 GeV pp

Soft QCD

 $\sum E_T$  for the minimum bias selection,  $4.0 < \eta < 4.8$ 

1

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

- ATLAS
- △— Pythia 6.428 370
- -○- - Pythia 6.428 atlas-csc
- - \* - - Pythia 6.428 d6t
- - □ - - Pythia 6.428 default
- - ▼ - - Pythia 6.428 dw
- - ○ - - Pythia 6.428 p0

(ATLAS\_2012\_I1183818)

Rivet 4.1.0,  $\geq 100k$  events

mcplots.cern.ch [arXiv:2401.10621]

Ratio to ATLAS

2

1

0.5

0

10

20

30

40

2

1

0.5