

7000 GeV pp

Soft QCD

 $(p_T > 0.2 \text{ GeV})$ Rivet 4.1.0,  $\geq 100k$  events

mcplots.cern.ch [arXiv:1306.3436]

- Pythia 8.301 default
- Pythia 8.301 default-CD
- Pythia 8.301 default-DL
- Pythia 8.301 default-MBR

(MC\_GAPS)

Ratio to Pythia 8.301 default

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

1

10

 $10^2$  $10^3$  $10^4$ 

2

1

0.5

2

1

0.5

0

2

4

6