

7000 GeV pp

Jets

Gap fraction vs  $Q_0$  for  $70 < \sqrt{s} < 90$   $4 < |\Delta y| < 5$ , Fwd/Bwd

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

Gap fraction

Rivet 4.1.0,  $\geq 100k$  events

mcplots.cern.ch [arXiv:2401.10621]

(ATLAS\_2011\_I917526)

Ratio to ATLAS

2

1

0.5

 $Q_0$  [GeV]