

200 GeV ppbar

Soft QCD

Forward-backward correlation  $b$  vs. gap size  $\sqrt{s}=200$  GeV

b

1

0.8

0.6

0.4

0.2

0

2

1

0.5

- UA5
- ▲ Pythia 8.315 default
- ✱ Pythia 8.315 tune-4c
- Pythia 8.315 tune-4cx

(UA5\_1988\_I263399)

Ratio to UA5

Central gap size  $\delta\eta$ Rivet 4.1.0,  $\geq 100k$  events

mcplots.cern.ch [arXiv:2401.10621]

2

1

0.5