

900 GeV ppbar

Soft QCD

Forward-backward correlation  $b$  vs. gap center  $\sqrt{s}=900$  GeV

b

- UA5
- +— Epos 1.99.crmc.1.2 lhc
- - □ - - Herwig 7.2.1 default
- △ - Pythia 6.428 370
- ▲ - Pythia 8.315 default
- ◆ - Sherpa 2.2.9 default

1.2

1.0

0.8

0.6

0.4

0.2

0

(UA5\_1988\_I263399)

0

2

Ratio to UA5

2

1

0.5

0

1

2

Center of separating gap  $\delta\eta$ Rivet 4.1.0,  $\geq 100k$  events

mcplots.cern.ch [arXiv:2401.10621]

2

1

0.5