

13000 GeV pp

4-lepton

 $\cos\theta_{\ell\ell}^*$ (ll) (atlas2021-4l) 10^2

10

1

 10^{-1}

■ ATLAS

○ Pythia 8.315 default

● Pythia 8.315 tune-2c

○ Pythia 8.315 tune-2m

(ATLAS_2021_I1849535)

Rivet 4.1.0, ≥ 1.2 M events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

2

1

0.5

2

1

0.5

-1

-0.5

0

0.5

1