

13000 GeV pp

4-lepton

 $\cos\theta_{\ell\ell}^*$ (II) (atlas2021-4l) $d\sigma/d\cos\theta_{\ell\ell}^*$ (fb) 10^2

10

1

 10^{-1} 

ATLAS



Pythia 8.308 default



Pythia 8.308 tune-A14-CTEQL1



Pythia 8.308 tune-A14-MSTW2008LO



Pythia 8.308 tune-A14-NNPDF2.3LO



Pythia 8.308 tune-CUETP8S1

ATLAS_2021_I1849535

Rivet 3.1.10, ≥ 2.7 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

 $\cos\theta_{\ell\ell}^*$