

13000 GeV pp

4-lepton

 $\Delta y(\text{lep pairs})$  (atlas2021-4l) $d\sigma/d\Delta y$  (fb/GeV) $10^2$ 

10

1

 $10^{-1}$  $10^{-2}$ 

ATLAS



Pythia 8.308 default



Pythia 8.308 tune-A14-CTEOL1



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,  $\geq 2.7\text{M}$  events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

2

1

0.5

2

1

0.5

 $\Delta y$ 

0

2

4