

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 8.209 default



Pythia 8.209 default-noFsr



Pythia 8.209 default-noRap

Rivet 3.1.10,  $\geq 400k$  events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2021\_I1849535

Ratio to ATLAS

2

1

0.5

2

1

0.5

 $\Delta y$ 

0

2

4