

13000 GeV pp

4-lepton

 $m(4l)$ (atlas2019-4lline)

1

 10^{-1} 10^{-2} 10^{-3}

ATLAS

Pythia 8.315 default

Pythia 8.315 tune-AU2

Pythia 8.315 tune-AU2lox

Pythia 8.315 tune-AU2loxx

Pythia 8.315 tune-AU2m

(ATLAS_2019_I1720442)

Rivet 4.1.0, ≥ 2.1 M events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

2

1

0.5

2

1

0.5

0

500

1000