

13000 GeV pp

 $t\bar{t}$

Cross section(atlas2022-boosthad.parton)

10000

- 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

8000

6000

4000

2000

1000

500

250

125

62.5

31.25

15.625

7.8125

3.90625

1.953125

0.9765625

0.48828125

0.244140625

0.1220703125

0.06103515625

0.030517578125

0.0152587890625

0.00762939453125

0.003814697265625

0.0019073486328125

0.00095367431640625

Rivet 4.1.0, ≥ 100k events

mcplots.cern.ch [arXiv:1306.3436]

(ATLAS_2022_I2077575)

Ratio to ATLAS

2

1

0.5

0.25

0.125

0.0625

0.03125

0.015625

0.0078125

0.00390625

0.001953125

0.0009765625

0

0.5

1