

13000 GeV pp

 $t\bar{t}$

ej.pt (atlas2022-lh)

Rivet 4.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:1306.3436]

(ATLAS_2022_I2037744)

Ratio to ATLAS

- ATLAS
- ▲ Pythia 8.315 default
- ▲ Pythia 8.315 default-noFsr
- ▲ Pythia 8.315 default-noRap

10^{-1}

10^{-2}

10^{-3}

10^{-4}

10^{-5}

2

1

0.5

2

0

200

400

Events	ATLAS (fb)	Pythia 8.315 default (fb)	Pythia 8.315 default-noFsr (fb)	Pythia 8.315 default-noRap (fb)	Ratio to ATLAS
50	0.03	0.02	0.02	0.02	0.8
100	0.005	0.005	0.005	0.005	1.0
150	0.002	0.002	0.002	0.002	1.0
200	0.001	0.001	0.001	0.001	1.0
250	0.0005	0.0005	0.0005	0.0005	1.0
300	0.0003	0.0003	0.0003	0.0003	1.0
350	0.0002	0.0002	0.0002	0.0002	1.0
400	0.0001	0.0001	0.0001	0.0001	1.0