

13000 GeV pp

 $t\bar{t}$ $m(t\bar{t})$ (atlas2022-boosthad.parton)

- ATLAS
- Pythia 6.428 345
- Pythia 6.428 346
- △- Pythia 6.428 370
- Pythia 6.428 default
- Pythia 8.235 default

Rivet 4.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:1306.3436]

(ATLAS_2022_I2077575)

Ratio to ATLAS

10⁴

10³

10²

10

2

1

0.5

2

$m(t\bar{t})$ (GeV)	ATLAS	Pythia 6.428 345	Pythia 6.428 346	Pythia 6.428 370	Pythia 6.428 default	Pythia 8.235 default
1.0	~350	~800	~800	~450	~600	~1300
1.3	~350	~350	~600	~350	~550	~800
1.6	~150	~350	~80	~280	~180	~550
2.9	~10	~30	~40	~13	~25	~8