

13000 GeV pp

 $t\bar{t}$ $\Delta\phi(t\bar{t}b\bar{a})$ (ATLAS semileptonic $t\bar{t}b\bar{a}$)

■ ATLAS
—▲ Pythia 8.201 default

 10^3 10^2

10

1

2

1

0.5

Rivet 4.1.0, 100k events

mcplots.cern.ch [arXiv:1306.3436]

(ATLAS_2019_I1750330)

2

1

0.5

Ratio to ATLAS

0

1

2

3