

13000 GeV pp

 $t\bar{t}$ $\Delta\phi(t\bar{t}b\bar{a})$ (ATLAS semileptonic $t\bar{t}b\bar{a}$) 10^3 

ATLAS



Herwig++ 2.7.1 default



Herwig 7.2.1 default

 10^2

10

1

(ATLAS_2019_I1750330)

Rivet 4.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:1306.3436]

2

Ratio to ATLAS

1

0.5

0

1

2

3

2

1

0.5