

13000 GeV pp

 $t\bar{t}$ $A_E(th\eta_j)$

Energy asymmetry(atlas2021-asym)

- ATLAS
- - □ Herwig 7.2.1 default
- - △ Pythia 6.428 370
- - ▲ Pythia 8.170 default
- - ◆ Sherpa 2.2.0 default

Rivet 3.1.10, $\geq 100k$ events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2021_I1941095

Ratio to ATLAS

2

1

0.5

 $th\eta_j$ [rad]