

8000 GeV pp

 $t\bar{t}$  $A_C$  vs  $M_{t\bar{t}}$  ( $\overline{t\bar{t}}$  events, parton level information)

- CMS
- ▲ Pythia 8.308 default
- - \* Pythia 8.308 tune-4c
- - □ Pythia 8.308 tune-4cx

Rivet 3.1.10,  $\geq 2.9M$  events

mcplots.cern.ch [arXiv:1306.3436]

CMS\_2016\_I1430892

Ratio to CMS

0.5

1

2

0.5

1

2

 $M_{t\bar{t}} \{t\}$ 