

8000 GeV pp

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

- CMS
- ▲ Pythia 8.308 default
- ▲ Pythia 8.308 default-noCR

0.1

0.08

0.06

0.04

0.02

0

0.02

0.04

0.06

0.08

0.1

0.02

0.04

0.06

0.08

0.1

0.02

0.04

0.06

CMS\_2016\_I1430892

Ratio to CMS

2

1

0.5

Rivet 3.1.10,  $\geq 3.4$ M events

mcplots.cern.ch [arXiv:1306.3436]

2

1

0.5

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