

8000 GeV pp

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

- CMS
- Pythia 6.428 346
- △ Pythia 6.428 347
- ◇ Pythia 6.428 348
- ⊕ Pythia 6.428 349
- △ Pythia 6.428 370

Rivet 3.1.10,  $\geq 2.7$  M events

mcplots.cern.ch [arXiv:1306.3436]

CMS\_2016\_I1430892

Ratio to CMS

 $\text{left}|y_{t\bar{t}}|\text{right|}$ 