

8000 GeV pp

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

- CMS
- Pythia 6.428 350
- -▲- - Pythia 6.428 351
- -▼- - Pythia 6.428 352
- ...△... Pythia 6.428 353
- -○- - Pythia 6.428 354
- -☆- - Pythia 6.428 355
- ...□... Pythia 6.428 356
- -●- - Pythia 6.428 357
- ...●... Pythia 6.428 358
- -■- - Pythia 6.428 359

Rivet 3.1.10,  $\geq 1.8$ M events

mcplots.cern.ch [arXiv:1306.3436]

CMS\_2016\_I1430892

Ratio to CMS

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