

$\rho$ Differential jet shape  $\rho$  ( $p_T^j > 5$  GeV,  $|\eta^j| < 1.9$ ,  $10 < N_{ch} < 30$ )

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

0.6

0.5

0.4

0.3

0.2

0.1

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

CMS\_2013\_I1261026

Rivet 3.1.10,  $\geq 2.4$ M events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to CMS

2

1

1

1

1

1

1

1

1

1

1

1

1

2

1

1

1

1

1

1

1

1

1

1

1

1

R

0

0.1

0.2

0.3

0.4

0.5