

$dN_{ch}/d\eta$ 

7

6

5

4

3

2

2

1

0.5

- CMS
- ▲ Pythia 8.230 default
- ▼ Pythia 8.230 tune-AU2
- ◇ Pythia 8.230 tune-AU2lox
- Pythia 8.230 tune-AU2loxx
- ★ Pythia 8.230 tune-AU2m

CMS\_2010\_S8547297

Ratio to CMS

Rivet 3.1.0,  $\geq 7.1M$  events

mcplots.cern.ch [arXiv:1306.3436]

2

1

0.5

 $\eta$ 