

Charged Particles Distribution ( $N_{ch} > 0, p_T > 0.04$  GeV) $dN/d\eta$ 

8

7

6

5

4

3

2

1

0

2

1

0

2

1

0.5

0.5

0.5

0.5

0.5

0.5

0.5

0.5

0.5

0.5

■ TOTEM

- - □ - - Pythia 6.428 346

- - △ - - Pythia 6.428 347

- - ◇ - - Pythia 6.428 348

- - + - - Pythia 6.428 349

- - △ - - Pythia 6.428 370

TOTEM\_2012\_I1115294

Rivet 3.1.10,  $\geq 3M$  events

mcplots.cern.ch [arXiv:1306.3436]

2

1

0.5

0.5

0.5

0.5

0.5

0.5

0.5

0.5

 $\eta$ 