

900 GeV pp

NSD

Charged multiplicity(NSD,  $|\eta| < 2.0$ ) $P_n$ 

1

 $10^{-1}$  $10^{-2}$  $10^{-3}$  $10^{-4}$  $10^{-5}$  $10^{-6}$ 

■ CMS

—△ Pythia 6.427 370

- -△ Pythia 6.427 373

- -○ Pythia 6.427 374

- -○ Pythia 6.427 375

CMS\_2011\_S8884919

Rivet 3.1.10,  $\geq 300k$  events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to CMS

2

1

0.5

2

1

0.5

 $n$ 