

7000 GeV pp

Underlying Event

Transverse  $N_{\text{chg}}$  density vs.  $|\eta^{\text{trk1}}|$ ,  $\sqrt{s} = \{7 \text{ TeV}\}$ ,  $p_T > \{100 \text{ MeV}\}$  $\# \langle d^2 N_{\text{chg}} / d\eta d\phi \rangle$ 

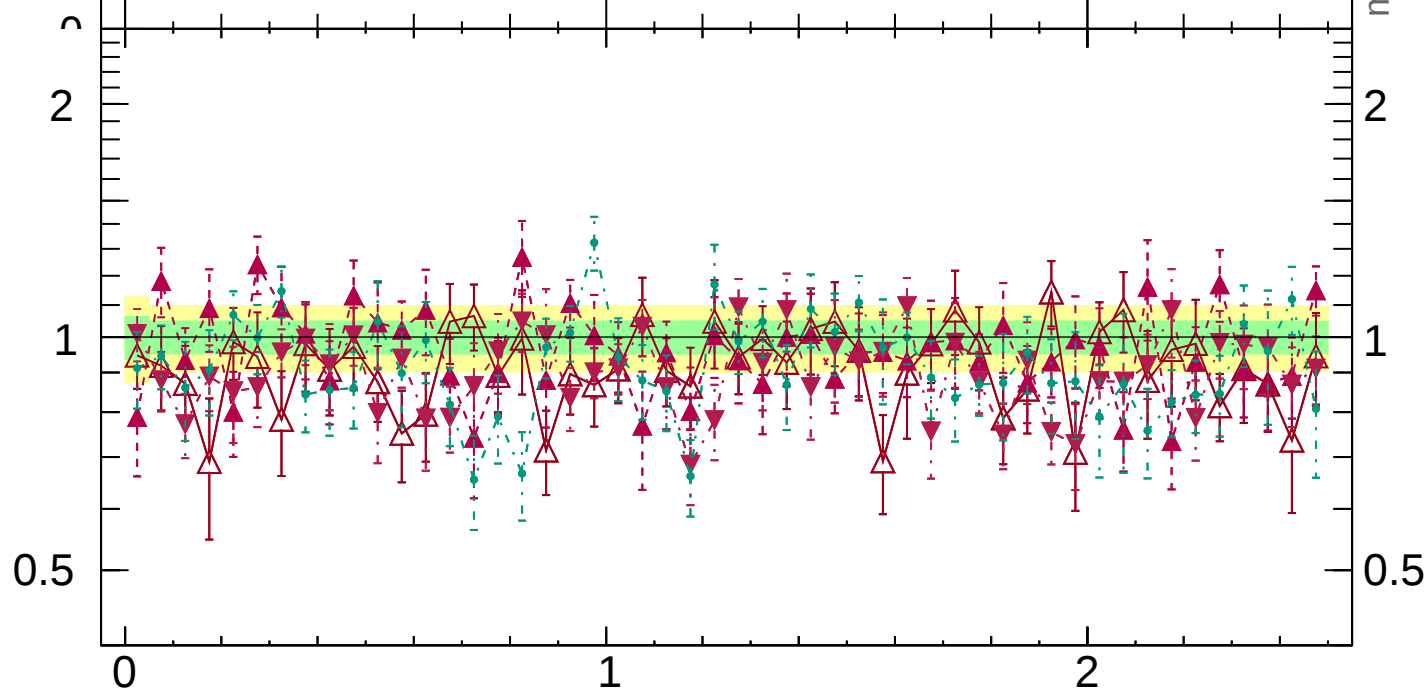
- ATLAS
- △ Pythia 6.427 370
- -▲ Pythia 6.427 371
- -▼ Pythia 6.427 372
- ···● Pythia 6.427 376

Rivet 4.1.0,  $\geq 100\text{k}$  events

mcplots.cern.ch [arXiv:1306.3436]

(ATLAS\_2010\_I879407)

Ratio to ATLAS

 $|\eta|$  (leading track)