

7000 GeV pp

Underlying Event

Average  $p_T$  vs  $N_{ch}$  (TRNS) ( $|\eta| < 2.5$ ,  $p_T > 0.5$  GeV)

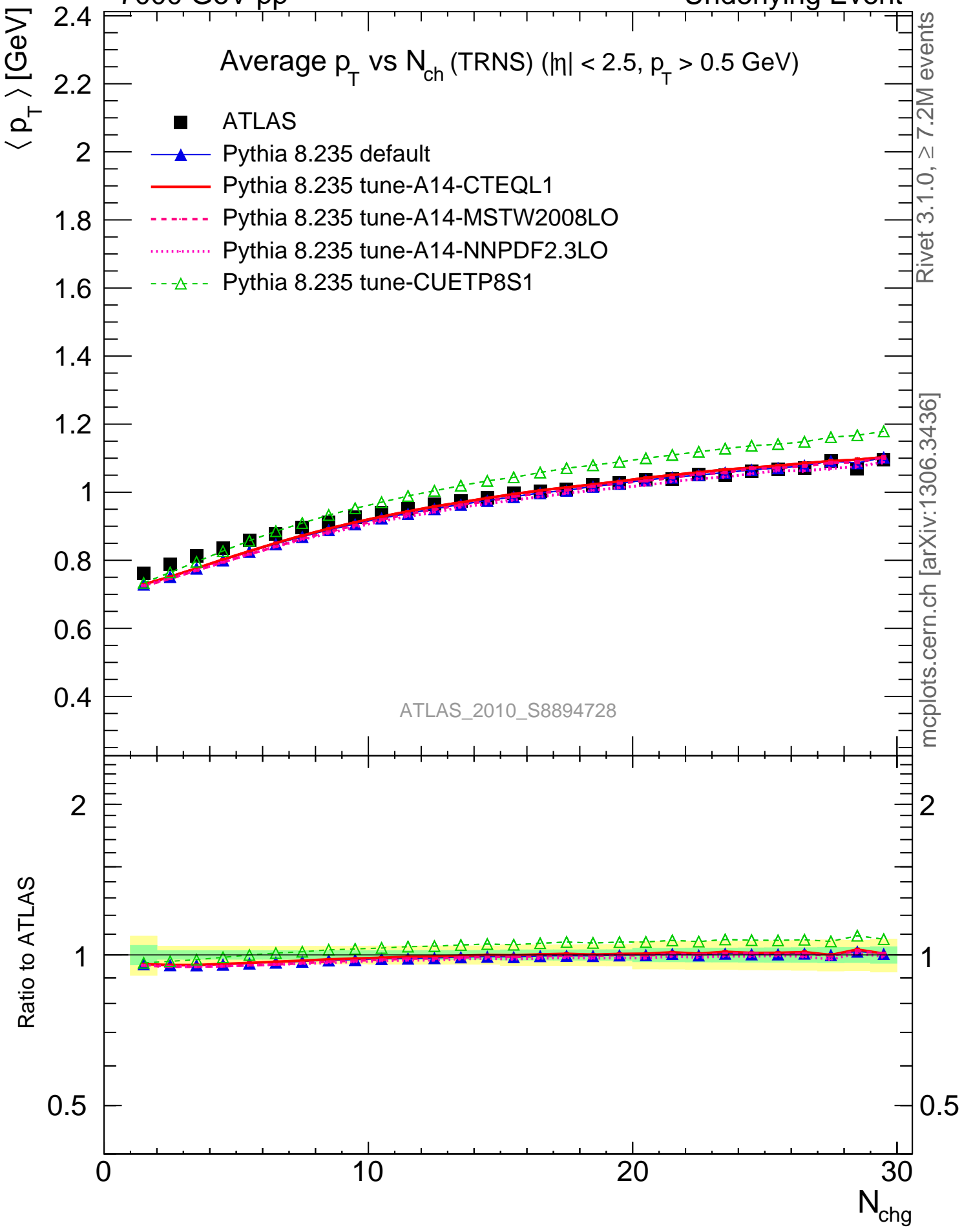
- ATLAS
- ▲ Pythia 8.235 default
- Pythia 8.235 tune-A14-CTEQL1
- - - Pythia 8.235 tune-A14-MSTW2008LO
- ⋯ Pythia 8.235 tune-A14-NNPDF2.3LO
- - Δ Pythia 8.235 tune-CUETP8S1

Rivet 3.1.0,  $\geq 7.2M$  events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2010\_S8894728

Ratio to ATLAS

 $N_{chg}$