

900 GeV pp

Underlying Event

Transverse  $\sum p_T$  density vs.  $p_T^{\text{trk1}}$ ,  $\sqrt{s} = \{900 \text{ GeV}\}$

- ATLAS
- △— Pythia 6.428 370
- -▲- - Pythia 6.428 371
- -▼- - Pythia 6.428 372
- ···· Pythia 6.428 376

$\# \langle d^2 \sum p_T / d\ln\phi \rangle [\text{GeV}]$

Rivet 4.1.0,  $\geq 3.2\text{M}$  events

mcplots.cern.ch [arXiv:2401.10621]

(ATLAS\_2010\_I879407)

Ratio to ATLAS

2

1

0.5

1.2

1.0

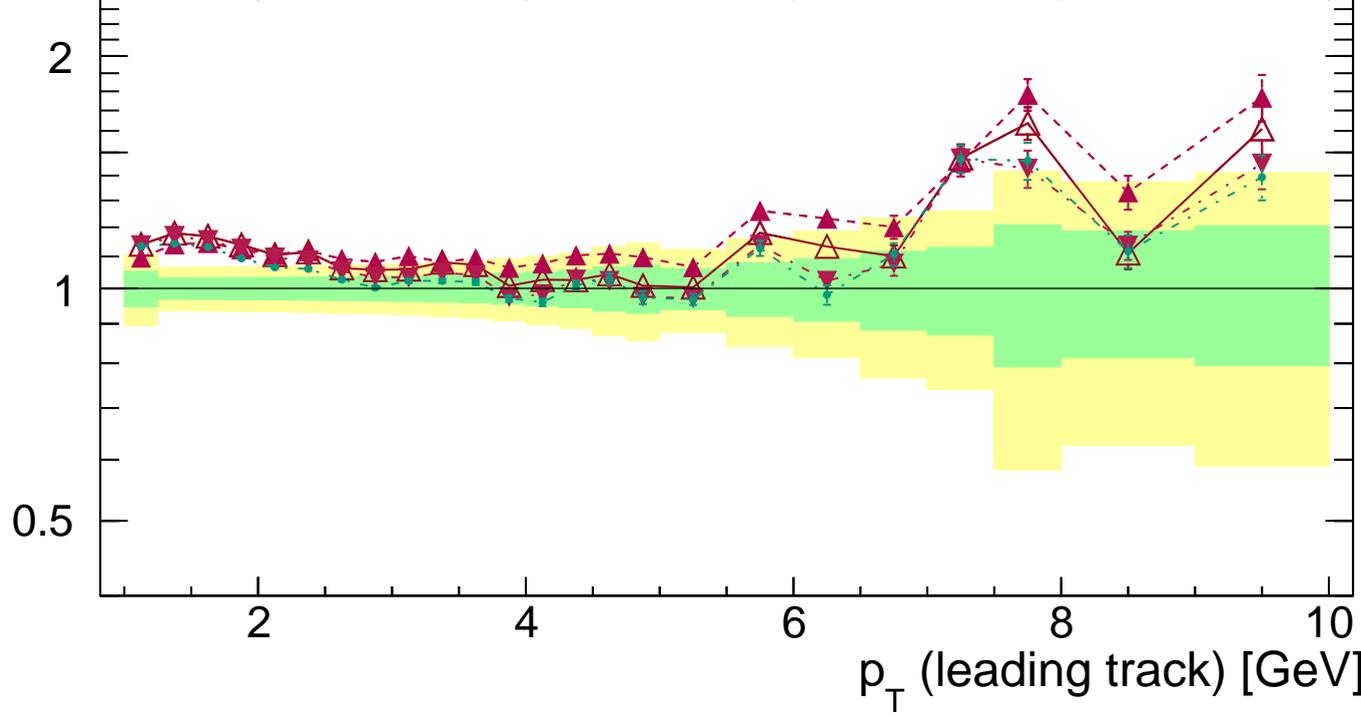
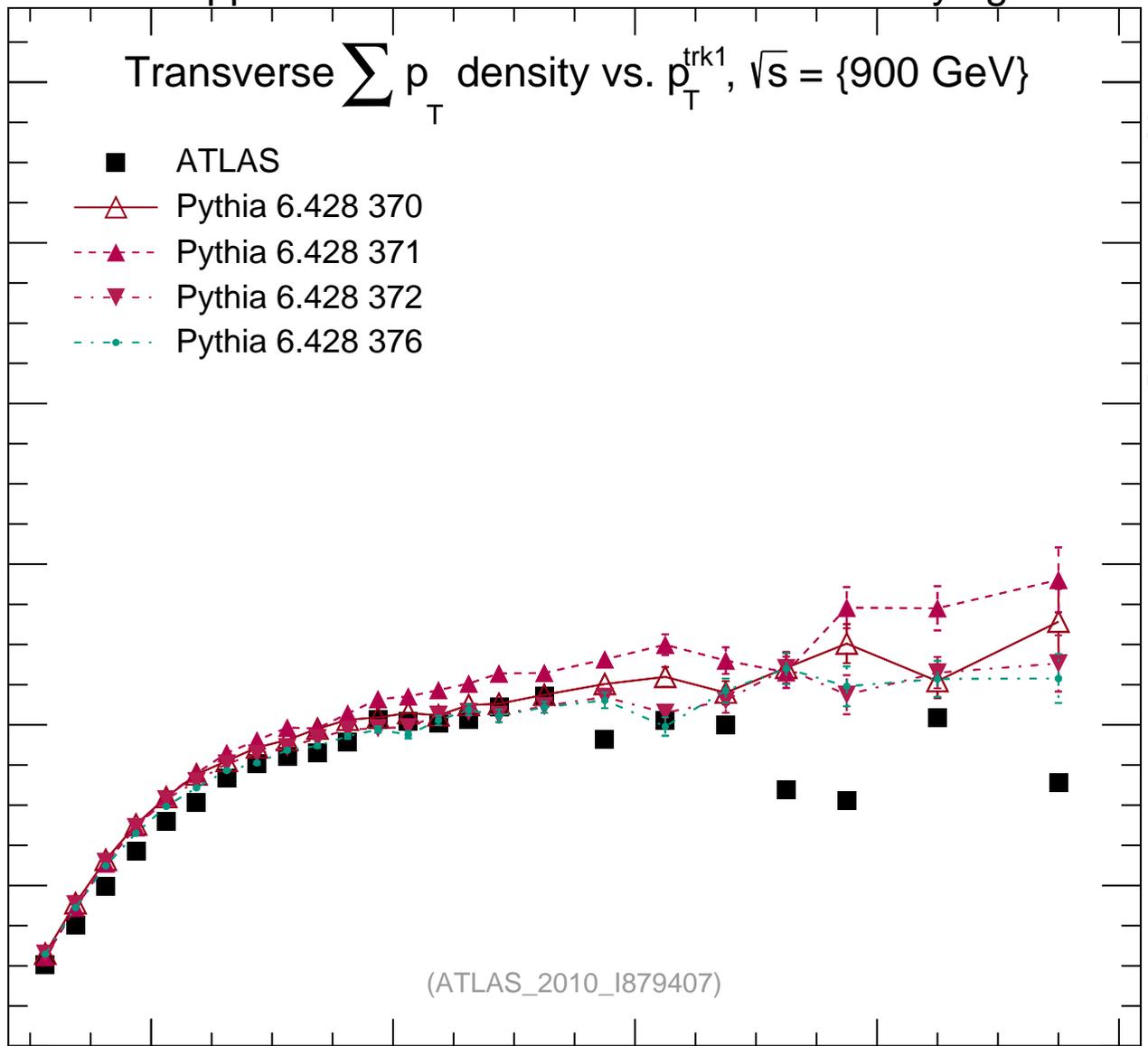
0.8

0.6

0.4

0.2

0



$p_T$  (leading track) [GeV]