

7000 GeV pp

Underlying Event

 $\Sigma(p_T) \text{ vs } \eta^{\text{lead}} (|\eta| < 2.5, p_T > 0.1 \text{ GeV})$ $\langle d^2 \text{ sum } p_T / d\eta d\phi \rangle [\text{GeV}]$

- ATLAS
- ▲ Pythia 8.308 default
- -▼ Pythia 8.308 tune-AU2
- ·◇- Pythia 8.308 tune-AU2lox
- ·□- Pythia 8.308 tune-AU2lox
- ·★- Pythia 8.308 tune-AU2m

Rivet 3.1.10, $\geq 2.7\text{M}$ events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2010_S8894728

Ratio to ATLAS

2.5
2
1.5
1
0.52
1
0.5 $|\eta|$ (leading track)