

Scalar $\Sigma(p_T)$ (ATLAS UE in Z production)

- 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

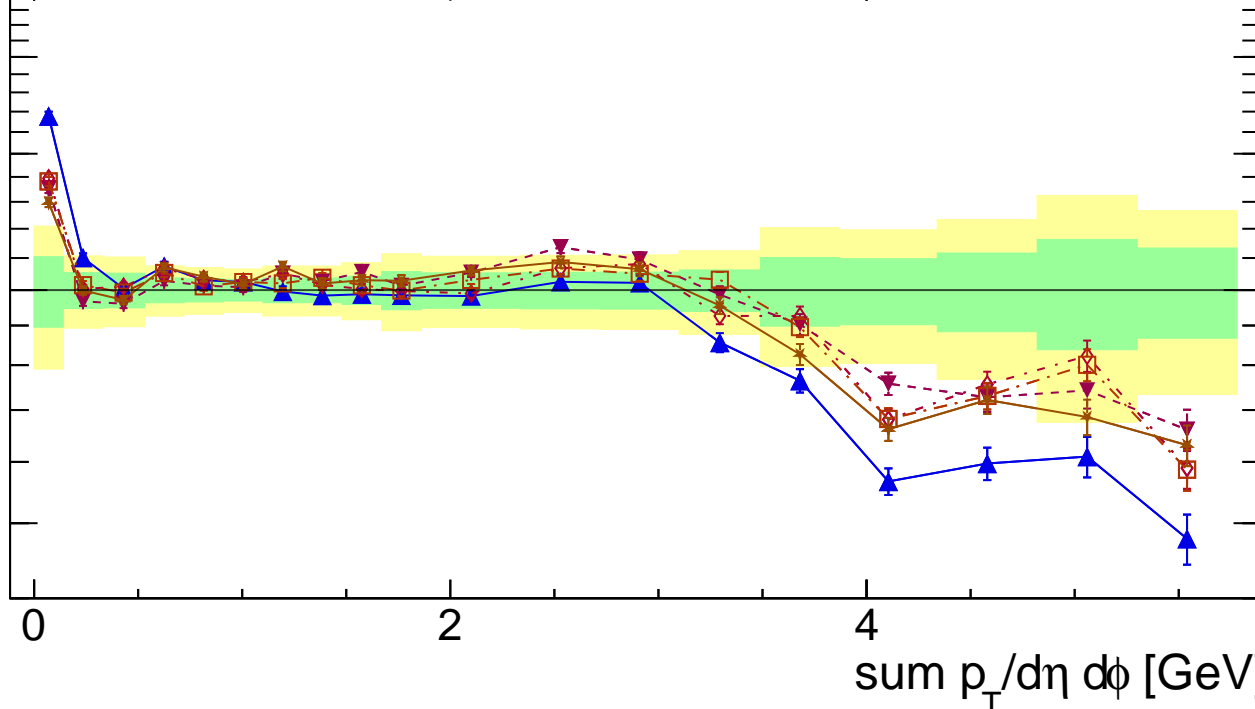
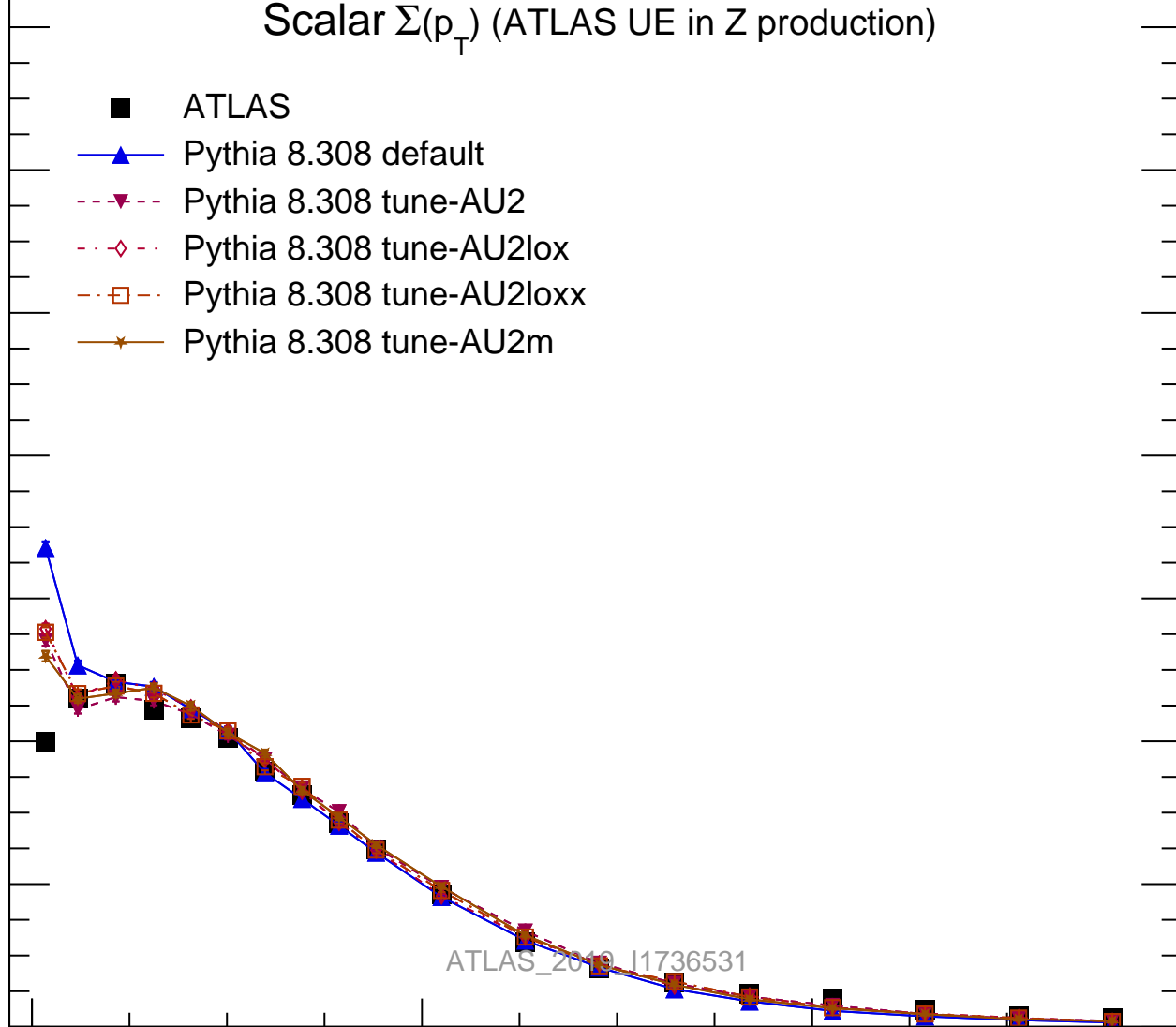
Rivet 3.1.10, $\geq 2.8M$ events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2019_I1736531

 $1/N_{ev} dN_{ev}/dsum p_T/d\eta d\phi [GeV]^{-1}$

Ratio to ATLAS

1.4
1.2
1
0.8
0.6
0.4
0.2
02
1
0.5sum $p_T/d\eta d\phi [GeV]$