

Scalar  $\Sigma(p_T)$  (ATLAS UE in Z production) $1/N_{\text{ev}} dN_{\text{ev}}/d \text{ mean } p_T [\text{GeV}]^{-1}$ 

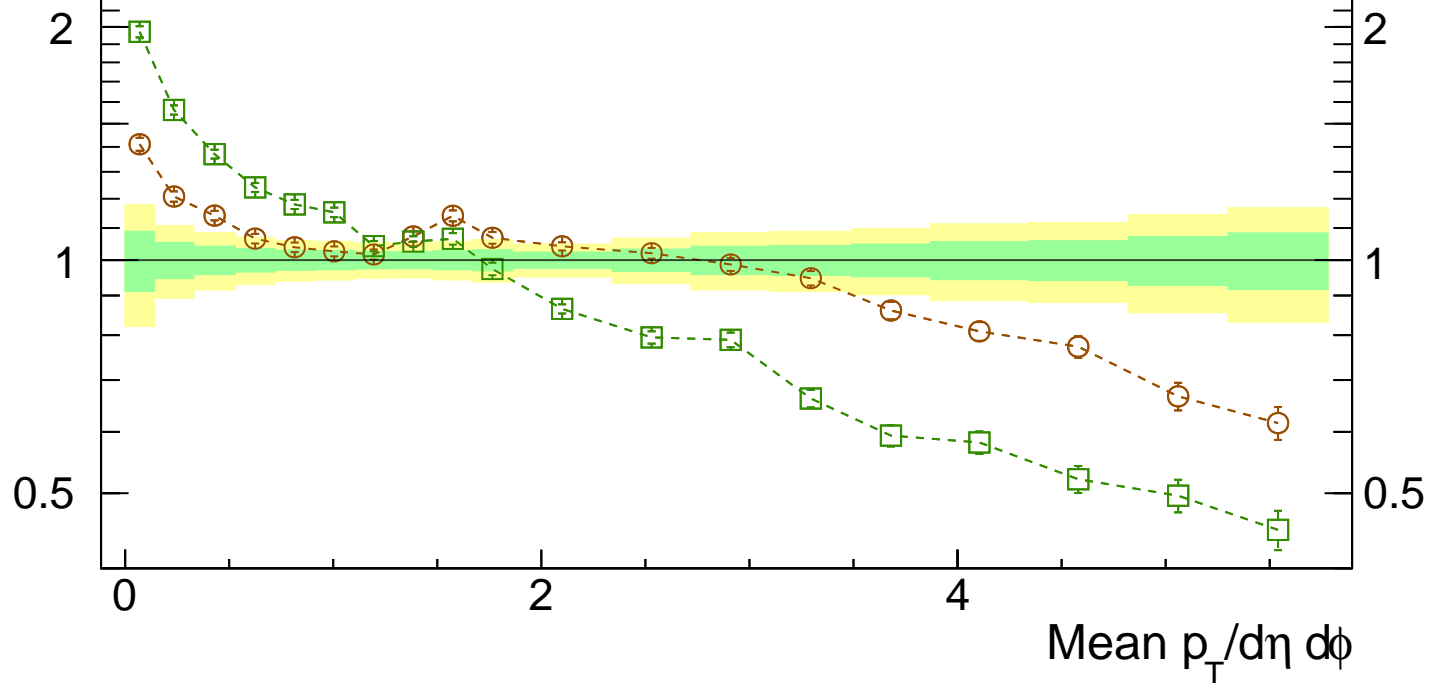
- ATLAS
- Herwig++ 2.7.1 default
- Herwig 7.2.1 default

Rivet 3.1.10,  $\geq 2.9\text{M}$  events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2019\_11136530

Ratio to ATLAS

Mean  $p_T/d\eta d\phi$