

$\langle p_T \rangle$  vs  $p_T^Z$  (ATLAS UE in Z production)

- ATLAS
- Herwig++ 2.7.1 default
- Herwig 7.2.1 default
- ▼- Herwig 7.2.1 softTune

 $\langle \text{mean } p_T / d\eta d\phi \rangle$  [GeV]2.2  
2.0  
1.8  
1.6  
1.4  
1.2  
1.0  
0.8  
0.6Rivet 3.1.10,  $\geq 3.4\text{M}$  events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2019\_I1736531

Ratio to ATLAS

2  
1  
0.52  
1  
0.5

0

200

400

 $Z p_T$  [GeV]