

13000 GeV pp

Z+Jet

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

- ATLAS
- - □ Herwig 7.2.1 default
- ... ♦ Sherpa 2.2.9 default

Rivet 3.1.10,  $\geq 2.7M$  events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2019\_11736531

 $1/N_{ev} dN_{ev}/d \text{ mean } p_T [\text{GeV}]^{-1}$ 

Ratio to ATLAS

Mean  $p_T/d\eta d\phi$ 