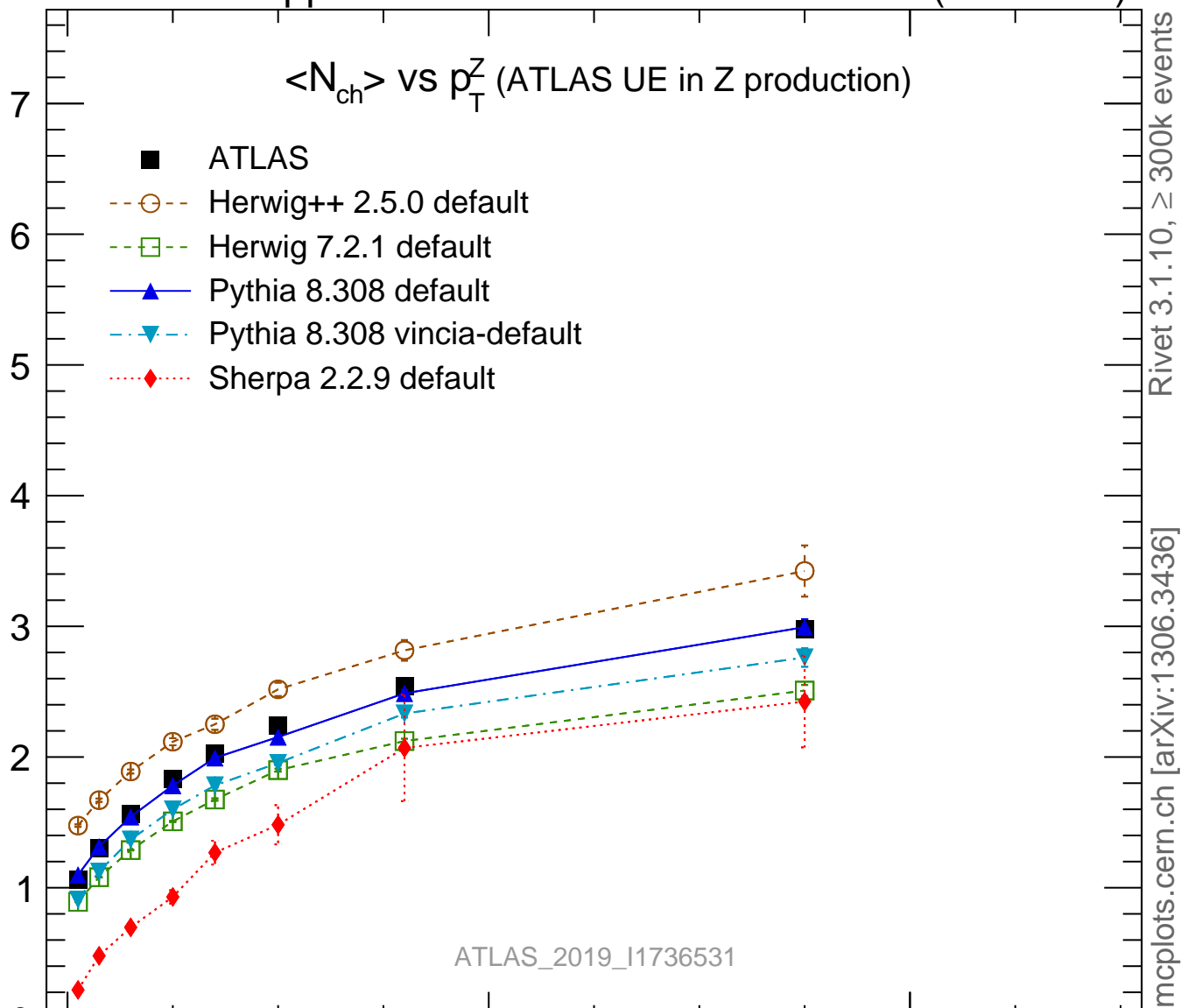


13000 GeV pp

Z (Drell-Yan)

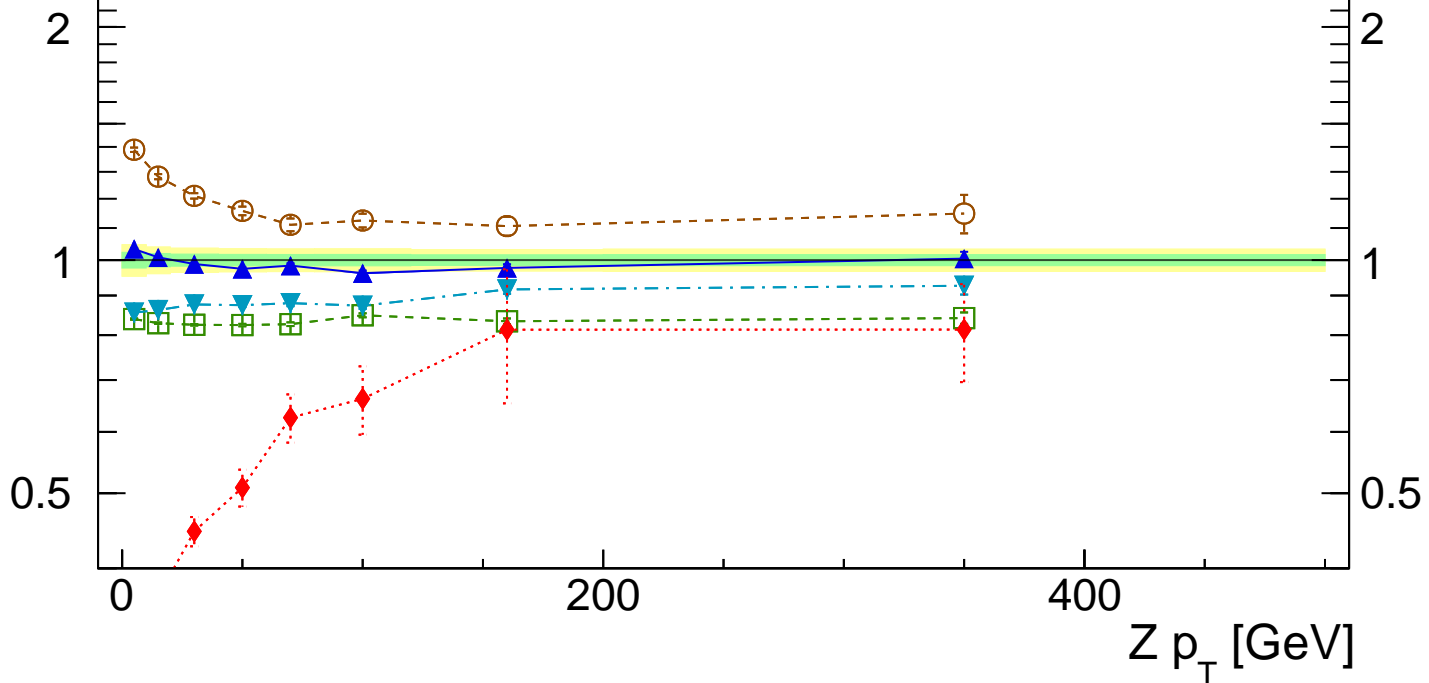
 $\langle N_{\text{ch}} \rangle$  vs  $p_{\text{T}}^Z$  (ATLAS UE in Z production) $\langle N_{\text{ch}}/d\eta d\phi \rangle$ 

- ATLAS
- Herwig++ 2.5.0 default
- Herwig 7.2.1 default
- ▲- Pythia 8.308 default
- ▼- Pythia 8.308 vincia-default
- ◆- Sherpa 2.2.9 default

Rivet 3.1.10,  $\geq 300\text{k}$  events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS



2

1

0.5

 $Z p_{\text{T}}$  [GeV]