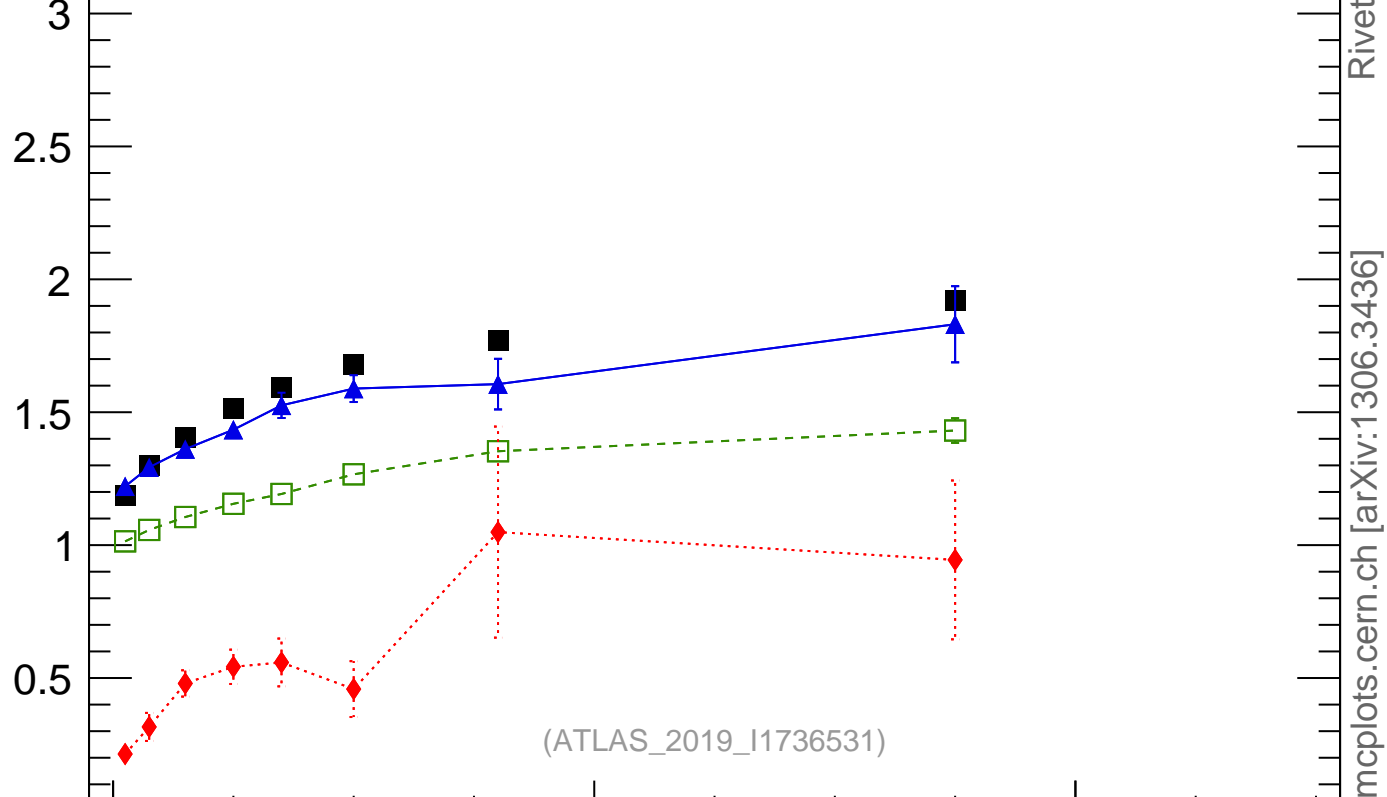
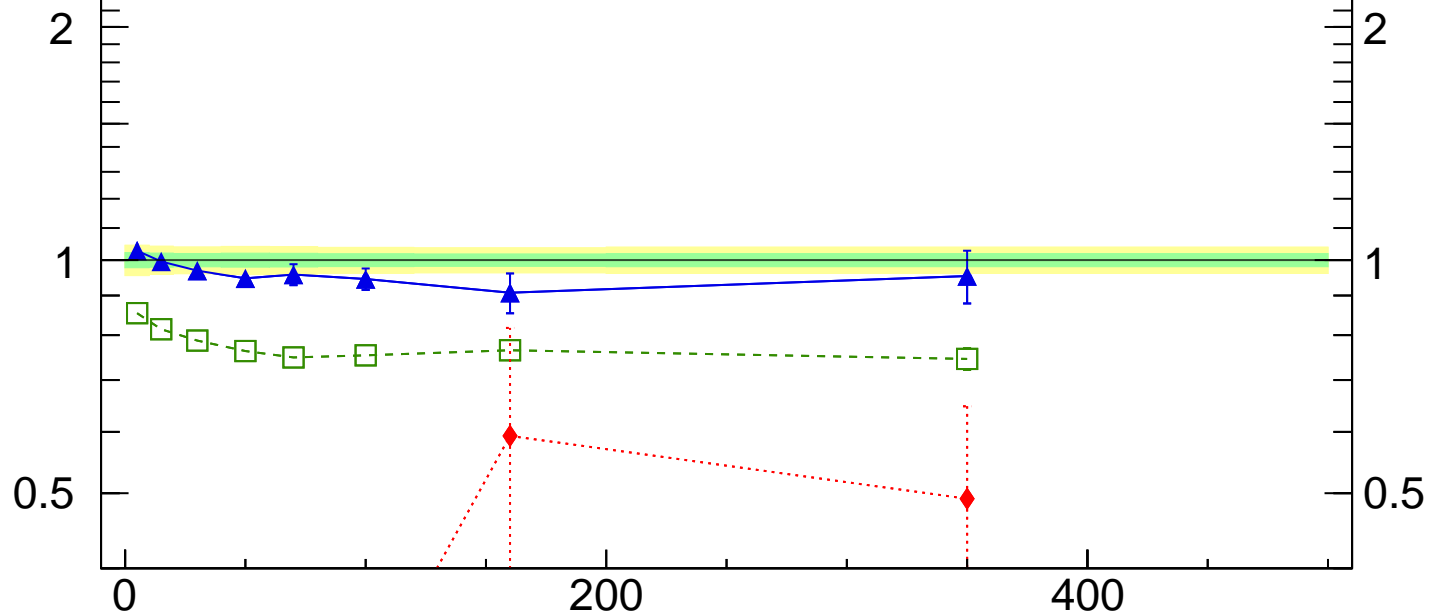


$\langle N_{\text{ch}} \rangle$  vs  $p_{\text{T}}^Z$  (ATLAS UE in Z production)

- ATLAS
- Herwig 7.2.1 default
- ▲ Pythia 8.235 default
- ◆ Sherpa 2.2.9 default



Ratio to ATLAS



Rivet 4.1.0, ≥ 400k events

mcplots.cern.ch [arXiv:1306.3436]