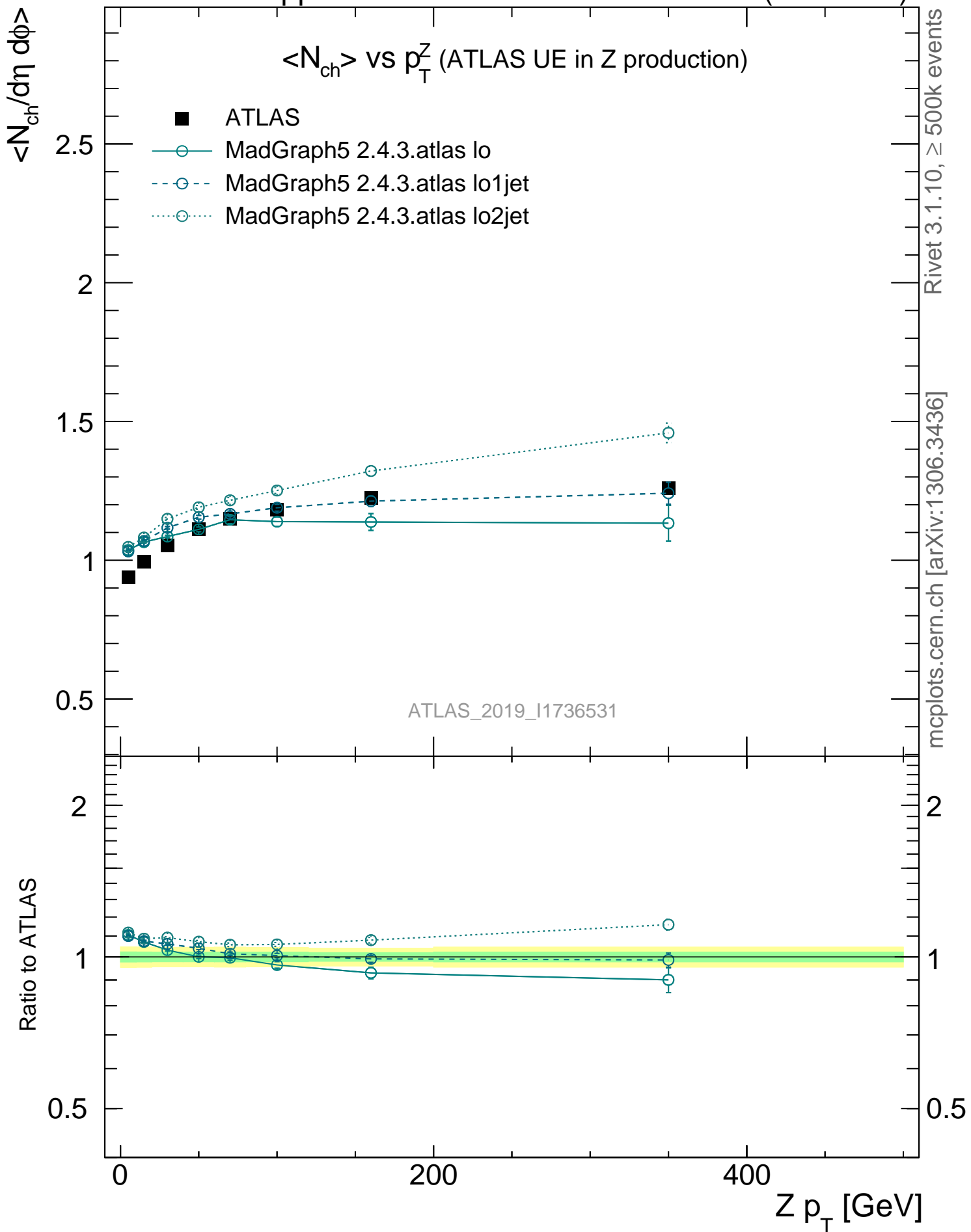


$\langle N_{\text{ch}} \rangle$  vs  $p_{\text{T}}^Z$  (ATLAS UE in Z production)

- ATLAS
- MadGraph5 2.4.3.atlas lo
- - -○- - MadGraph5 2.4.3.atlas lo1jet
- ⋯○⋯ MadGraph5 2.4.3.atlas lo2jet

Rivet 3.1.10,  $\geq 500k$  events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2019\_I1736531