

PARTICLEFACE 2021: Unraveling New Physics Workshop & Management Committee Meeting



Contribution ID: 3

Type: **Submitted Talk**

Comparison of public codes for Drell-Yan processes at NNLO accuracy

Wednesday 14 July 2021 10:00 (30 minutes)

We present a detailed comparison of predictions at NNLO accuracy computed by four publicly available computer codes for Drell-Yan processes at the LHC and Tevatron colliders. We point out that while there is agreement among the predictions at the next-to-leading order accuracy, the predictions at the next-to-next-to-leading order (NNLO) differ, whose extent depends on the observable. The sizes of the differences in general are at least similar, sometimes larger than the sizes of the NNLO corrections themselves. The talk will be based on arXiv: 2104.02400.

Primary authors: KARDOS, Adam (University of Debrecen); TROCSANYI, Zoltan Laszlo (University of Debrecen (HU)); MOCH, Sven-Olaf

Presenter: TROCSANYI, Zoltan Laszlo (University of Debrecen (HU))

Session Classification: Working Group Meeting