

Discussion: level 3.5 of pTW/Z benchmarking (NP component)

- We have had several presentations from the TMD calculations which included NP contributions obtained from fits to specific data supposed to be sensitive to such contributions (see links below to dedicated meeting in March and additional presentation in July)

Giuseppe/Valerio (NangaParbat)

<https://indico.cern.ch/event/898998/contributions/3788873/attachments/2007525/3353239/ewwg.pdf>

Ignazio (Artemide)

<https://indico.cern.ch/event/898998/contributions/3788875/attachments/2007606/3354565/Scimemi-CERN2020.pdf>

Francesco (?)

https://indico.cern.ch/event/935852/contributions/3936952/attachments/2069802/3478022/Francesco_LHCEWjuly9.pdf

- Given the (to me) large model dependence of these fits and their lack until now of proper and complete uncertainties, I suggested that we define in collaboration between the LHC experiments and the authors of these fits a set of pseudodata corresponding to relevant and feasible measurements which could shed more light on these contributions and thereby establish such fits on firmer grounds.

This was not followed up because of the summer break, perhaps we can do this now?