



Contribution ID: 77

Type: **not specified**

## Theoretical and sampling uncertainties in global PDF fits.

*Monday 31 October 2022 18:20 (15 minutes)*

We review recent developments on the estimation of uncertainties in unpolarized nucleon PDFs by the CT group. In particular, we will discuss how global PDF analyses can be affected by the so-called “big-data paradox” and why, as a consequence, sampling uncertainties should be considered. From that point, we will also discuss theoretical non-perturbative aspects of determinations of strange, charm and light sea PDFs at large momentum fractions.

**Primary author:** COURTOY, Aurore (Instituto de Física, UNAM)

**Presenter:** COURTOY, Aurore (Instituto de Física, UNAM)

**Session Classification:** PDF uncertainties, PDF theory