

# NuXTract 2023 - Towards a consensus in neutrino cross sections



**Monday 2 October 2023 - Friday 6 October 2023**

**CERN**

## **Scientific Programme**

Objectives:

- what experiments can (and should) measure
  - What do theorists need when comparing their model to data
- Statistical issues in cross-section extraction (e.g. unfolding, template fitting)
- Why it's important to be MC independent
  - Flux determination: Why it is important to keep it independent from the cross section model
  - How neutrino experiments could express their needs to support the cross-section community
  - Wish to have a set of NuSTEC best practices guidelines for how to extract a cross section measurement and start a neutrino cross section data base with comparable results we know how to interpret.