

LPNHE-neutrino group: Items to be discussed

- Thanks for the strong support of our ND280-upgrade activities (our contributions are well on-track!). Shipment (donnation) to Japan?
- Contributions to the computing for T2K/HK?
- Thanks for the resources allocated for the HK R&D: good progress in the design of the timing system (also fruitful collaboration with SYRTE colleagues). A collaboration review will take place during Summer 2022. Need an explicit statement from the IN2P3 directorate about a possible level of financial support (which is a requirement for the review)

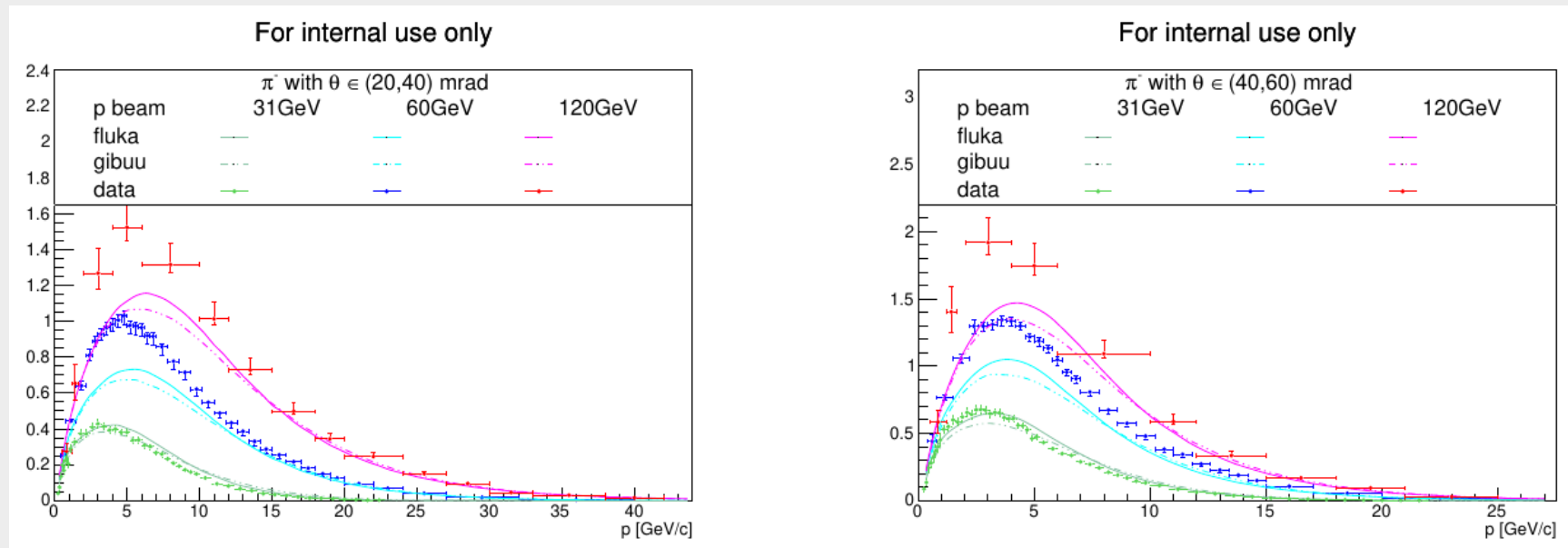
LPNHE-neutrino group:

Items to be discussed

- Contribution to the NA61/SHINE Common Fund. Planned new data-taking for T2K during the 2022 run with a replica of the T2K target to reduce even further the neutrino flux uncertainties
- Discussions started about a future upgrade of the near detector ND280++ after the start of the HK data-taking. Could potentially make a contribution to the upgrade of the timing system (profiting from the HK R&D).
- **Ecole de GIF2022 “Neutrino”@LPNHE**

Contributions to NA61/SHINE

- Coordination of the analysis efforts for neutrino experiments
- Participation in the spectrometer upgrade @ CERN
- New data-taking for T2K-II during the 2022 run
- Successful internship by Claire Dalmazzone (Ecole Polytechnique/EPFL). Now applying for a PhD grant @ STEP'UP ED



Example of “evolution” plots for pC@31GeV/c (T2K), preliminary results for pC@60GeV/c and pC@120GeV/c (DUNE) hadron yields compared to FLUKA and GiBUU model predictions