

## ROUND TABLE FOR NUFAC 2020

Main discussion topic is traditionally the future of accelerator-based neutrino physics

this can comprise the following questions

**-(I)- on the way to DUNE and HyperK** : how do we organize the co-existence to the best of the field?

- status and issues for both

- joint projects related to:

  - beamline technology

  - cross-section systematics and how to tackle them

    - Nustorm and ENUBET could be addressed here

  - PMNS analysis and BPMNS analyses and joined preparations for it

- beyond DUNE and HyperK: more precision? why and when?

**-(II)- searches for HNLs and other signal of neutrino mass generation processes**

- LHC, BelleII, FASER/MATHUSLA/SHIP/FCC/CEPC-SPPC (ee-hh-eh) etc

- in tau-c-B-W-Z-H decays and complementarities

- are models reasonable/how likely, is this promoted too little, too much? etc

- role of muon LFV expts and tau( or Z) factories

## Who to invite?

- Gianotti or next CERN DRC, Yamauchi, Y. Wang, Lockyer
  - somebody from PPG or Snowmass process (PPG: Zito (I) Lanfranchi (II), Nakaya))
  - spokes of experimental groups -- will depend on choice of (I) or (II)
    - could be Shiozawa/Wark vs Blucher/Soldner-Rambold vs Ekelof/Son-he
    - Long and/or Terranova;
    - or
    - ATLAS or CMS spoke, FCC expert, Golutvin, Faser spoke, etc...
  - theorist such as Petcov, Giudice, Shaposhnikov, Hernandez
- OR
- experts in LBL systematics Hartz, Sanchez, someone from DUNE(?)

I propose to discuss and decide in this order

- 1) the topic (I), (II), other?
- 2) then: invitees