Future Neutrino Facilities in the Global Physics Environment

Proposed Questions for NuFact11 Round Table by the NUFACT11 Scientific Program Committee

(NB emphasis is placed on neutrino oscillation experiments)

- 1. Is the "incremental" approach to experimental neutrino oscillation physics the best way for the international community to proceed, or should a big step to a Neutrino Factory be advocated? If a big step is deemed appropriate, when should it be envisioned?
- 2. Up to what levels do you think the regional neutrino programs should work, and when and how do you envision that a fully international framework of neutrino projects is needed and should be formed? What do you think is "missing" that prevents a decision being made on a large international neutrino project: a determination of θ_{13} , a community consensus, a political decision at ICFA level, technological issues...?
- 3. What room do you see for accelerator-based neutrino projects besides the other particle physics projects (e.g. in Europe besides the LHC)?
- 4. What might be the scientific impact of LHC results on the neutrino program?
- 5. What do you think are the most important goals in neutrino oscillation physics and what do you think are the best ways to get there? What relative importance/organization should be given to the mainline program (unraveling 3x3 mixing including CP violation) with respect to search for exotics such as sterile neutrinos, Non-standard interactions, etc
- 6. How important is it that proposed giant neutrino detectors serve additional physics needs how bad is it if they don't?
- 7. What importance do you attach to the Neutrino Factory being on the upgrade path toward a Muon Collider?