

## Recommendations for future NuFact Workshops

The NuFact Workshop series has proven once more, at Rio 2015, to be popular and lively. It has become home of **physics with accelerator neutrinos** not only in looking toward the future with neutrinos from accelerated muon beams but also in critically examining the experimental study of neutrino physics with conventional accelerator neutrino beams and understanding the limitations such beams bring to the physics analysis.

The proposal is that since the study of neutrino mixing is of great current interest NuFact will continue yearly and rotate regularly among three regions; Asia, Europe and the Americas. Although increasing local attendance in emerging countries is a major goal, targeting large labs and universities is also important

The organization of the INSS Neutrino School, associated with the NuFact workshop will be encouraged.

WG1 has become the opportunity where K2K, MINOS, OPERA, T2K, MINERVA, SHINE, NOVA as well as others, such as those interested in beam dumps searching for RH neutrinos can discuss their current and future prospects. With yearly advances in the field and including T2HK and DUNE considerations, this working group will be able to provide a regular reevaluation of how a neutrino factory neutrino beam could extend these future prospects.

WG2 looks at all neutrino nucleus interactions, with a good link to the dedicated NuInt Workshop, and focuses on oscillations. It is important to understand the limitations in this study due to conventional neutrino beams. The quantitative advantage of a neutrino factory beam in reducing systematics on oscillation measurements from this source will be continuously reevaluated.

WG3 has been most significantly affected by the recent shift in personnel and financial support away from muon-based neutrino beams. Advances in this direction will now require more time. For this reason, we propose that the focus of WG3 alternate yearly with the emphasis on neutrinos from muon beams one year and on conventional neutrino beams the next. This emphasis in alternate years on conventional neutrino beams could also provide a link to the broader accelerator neutrino community and to the technically dedicated Neutrino Beam Instrumentation NBI Workshop series. An extra convener from the team of the new FNAL line to S Dakota and/or the T2HK line is proposed.

The WG4 community remains symbiotic and welcome in the forms it will decide yearly.

WG5, concentrating on Neutrino Theory, has been advocated by E. Fernandez a former WG1 convener. He will be invited, along with other potential conveners, to make a proposal to initiate this WG if not in NuFact 2016 then for NuFact 2017.