

Recommendations to the Nufact16 SPC

from the NuFact15 SPC ad hoc Task Force

The NuFact Workshop series has proven once more, at Rio 2015, to be popular and lively. It is becoming more and more, with appropriate echoes from all other neutrinos, the international home of **physics with accelerator neutrinos**.

These will have less than one day for them, soon, at Neutrino 2016, and only a fraction of a fourth of the program in the WIN Workshop series. **NuFact** has its own scope and thrust.

It will continue yearly. Neutrino mixing is now. It rotates frequently among the three regions of the world. It will organize the INSS Neutrino School every year, except probably those when Fermilab or KEK will claim it. Local attendance in emerging countries is a major goal. Large labs and universities should also be targeted.

Its original focus has been naturally extended beyond muon or ions storage rings, in most of the WGs.

WG1 is where the evaluation of the physics potential of neutrino factories and betabeams has been validated. But also where K2K, HARP, MINOS, OPERA, T2K, MINERVA, SHINE, NOVA and many more have been and are discussing their principles and their technicalities. So are and will T2HK, DUNE and future superbeams. It appeals also to those interested in beam dumps searching for RH neutrinos, as well as others that have less opportunities elsewhere.

WG2 looks at all neutrino and hadronic interactions with the focus on oscillations, with a good link to the dedicated NuInt Workshop. It has a precious function.

WG3 needs to focus more on shorter and medium term neutrino beams, by selecting conveners that can make a better link to the majority of the accelerator neutrino community, and as well as to the technical dedicated Neutrino Beam Instrumentation NBI Workshop: an extra convenuee from the team of either the new FNAL line to S Dakota or the T2HK line could facilitate the transition.

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

A fifth Neutrino Theory WG has been advocated by E. Fernandez, former WG1 convenuee. He will be invited to make a proposal, perhaps in conjunction with one for NuFact 2017 in Madrid. .

Final draft entrusted to Palladino by the ad hoc meeting of Nov 20 2015. Present Blondel, Dracos, Dumarchez, Hagasawa, Palladino, Soler, Strait, Tran Van. Comments sent by Bogacz, Nelson. Editing by M. Goodman was very helpful.