

## Notes from the discussion on NUFACT, Thursday 25 Aug. 2018

NB: Notes, by Alain Blondel. These are notes taken on the fly during the discussion. I completed sentences and tried to remember who said what. But generally this should be taken as my notes, not more.

### Attendance

(See plot shown in the summary talk)

Before 2013 (European strategy/P5), seems to be correlated with location rather than odd/even year and neutrino conference.

Since 2013/2014 down from typically ~160 to ~125 – effect of P5 and termination of MAP/MICE

### Venue

Vietnam was complicated venue and conveners did a very good job inviting speakers! Otherwise everyone is very happy with the venue.

### Frequency

-- Osamu: young people have lots of opportunity at NUFACT. Important for young people to keep every year.

-- "Good that it is every year this way I can go every three years when it is in my region!"

-- Meeting between exp/theorists/accelerator unique. Keep every year.

Workshop is very unique. (several people agree)

Can we merge with NBI, NNN?

NBI is very technical on present or approved facilities will not address new ideas

NNN much concentrated in physics with Large underground detector incl. proton decay SuperNovae etc... (not all neutrino) but this is an idea to pursue.

### School

Originally was NUFACT school with accelerator physics included. INSS has deviated and covers the whole scope of neutrino physics. In 2009 school and NUFACT were close at FNAL and students

Jorge: It is somewhat decided that summer school would be more independent. NB this is the present working assumption, but discussion on future schools is possible. Contacts with e.g. CERN and KEK should be encouraged.

### WG5

WG5 seems well appreciated, several people spoke up for it:

WG5 is great : forum for where the field is going on the long run

Connects neutrinos and cosmology etc...

Drewes : far future of neutrino physics

Enrique Fernandez: I proposed this group. I did not have great expectations. But its really fantastic.

Jeff Nelson : WG5 really enjoyable, useful, enlightening!

## **WG4**

“WG4: size of community is small. This workshop is great for us. Not so many theory talks related to muons and neutrinos normally at conferences”

Angela : workshop is unique – meeting with theory great.

“Exchange with neutrino types is very good”

Miroslav Popovich reminds that discussions at NUFACT09 led to g-2 ring transported to Fermilab. Also after NUFACT11 Fermilab folks joined NA61, etc... etc...

## **WG3**

NUFACT15: problem with WG3 – is there enough new stuff every year?

WG3 Tang: not too much on neutrino factory so we could go every two years.

“there are many new things that happen in the details, we have lost people on targetry and NBI workshops”

New emphasis of physics should be connected with corresponding emphasis shift in WG3 advertised.

Seems that WG3 at present the group for which material has reduced, and there is least need for yearly meeting. SPC needs to discuss this. Broaden & extend.