

## **NUFACT SPC 24 03 2016**

-- We saw last time that the Working groups have well advanced their agendas. Remain WG3 and WG5 – we should hear about them.

Time for parallel sessions is more or less fixed at 15 hours total.

-- deadline for abstracts for parallel sessions talks is 1st may  
– we are sending invitations around the world.

Main task today is to define speakers for

1. Round table discussion
2. Plenary session talks.

## ROUND TABLE DISCUSSION

### Neutrino physics with accelerators: a long term vision

Given the present situation of physics related to massive neutrinos, how do you see the future of accelerator-based neutrino physics in the medium (10-20 years) and long term, both with neutrino beams and with other accelerator based means (beam dump experiments like SHIP, high energy colliders, etc..) ?

What technical questions would you like to see the working groups address towards defining this program?

How do you see the NUFACT workshop evolve in this direction?

**Suggestions for panel members (suggest 8)**

**Phenomenology, experiment, accelerator physics, politics**

**The following is a very preliminary list of suggestions, some are mine, some that were made by WG5. Others?**

	phenomenology	Experiment	Accelerator	Politics
	Kayser	Kajita	Holtkamp	Bertolucci
	Hernandez	McDonald	Rivkin	Nakada
	Pascoli	Thomson	Chou	Wark
	Giudice	Golutvin	M. Palmer	Womersley
	Shaposhnikov	De Roeck		Etienvre
	De Gouvea	Halzen/Montaruli		T. Mori
	P. Huber	Shiozawa		
	Tao Han	R. Jacobsson		
		G. Di Lellis		

# Plenary program

Issues:

1. many plenaries, time reduced to 20 minutes each.
  - reduce number of talks
  - or
  - start at 8:00?
2. Position of round table w.r.t. the presentation of working group plans?
3. Proposals for speakers? Let's fill the table below!

**Monday 22 August**

08:30

WELCOME SESSION

**Tuesday 23 August**

08:30

8:30 Status and prospects for multi MW accelerators  
8:50 towards high power neutrino beams

9:10 neutrino beams optimization for Physics

9:30 Towards high precision neutrino beams

**Wednesday 24 August**

08:30

The HyperK experiment

The DUNE experiment

LBL systematic errors

Status of neutrino scattering physics

**Thursday 25 August**

08:30

mass models, RH neutrinos

eV sterile neutrinos

RH neutrino searches at HI/HE frontier

muons and FCNCs

**Friday 26 August**

08:30

Is the Higgs giving neutrinos a mass?

Leptogenesis

Precision required for the PMNS matrix and other neutrino parameters

NUSTORM

**Saturday 27 August**

08:30

WG1 summary

WG2 summary

WG3 summary

10:00-10:30 Coffee

10:30 introduction by chair of SPC, NUFACT questions  
10:50 neutrino physics for the XXI century: the big questions

11:20 The neutrino experimental program of the next 20 years

discussion

10:00-10:30 Coffee

10:30-12:00 WG sessions

10:00-10:30 Coffee

WG4 summary

WG5 summary

proceedings, presentation of nufact17

Workshop summary and questions for nufact17

12:00 -13:30 Lunch

13:30 13:45 WG1 questions and plans  
13:45 14:00 WG2 questions and plans  
14:00-14:15 WG3 questions and plans  
14:15-14:30 WG4 questions and plans  
14:30-14:50 WG5 presentation, questions and plans

12:00 -13:30 Lunch

13:30-15:00 WG sessions

12:30 -14:00 Lunch

EXCURSION

12:00 -13:30 Lunch

13:30-15:00 WG sessions

12:00 -13:30 Lunch /SPC lunch

13:30-15:00 WG sessions

12:30 -14:00 Lunch

15:00-15:30 coffee break

15:00-15:30 coffee break

15:00-15:30 coffee break

15:00-15:30 coffee break

15h30-16h30 round table discussion

16h45-18h15 WG sessions

DUNE detector R&D  
photo sensor R&D  
T2K upgrades

15:30-17:00 WG sessions

15:30-17:00 WG sessions

18:30 - 20:00 Welcome cocktail + Dinner at ICISE

17:00-18:30 happy hour with posters

17:00 - 21:00 posters and conference dinner

preparations of summaries

## MONDAY 22 August

10:30 introduction by chair of SPC, NUFACT questions  
**KOBAYASHI**

10:50 neutrino physics for the XXI century: the big questions

11:20 The neutrino experimental program of the next 20 years

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08:30

WG1 summary

WG2 summary

WG3 summary

*10:00-10:30 Coffee*

WG4 summary

WG5 summary

proceedings, presentation of nufact17 in Europe.

Workshop summary and questions for nufact17