

## Committee members

Jacques Dumarchez,

Alain Blondel,

Boris Kayser, YES

Son Cao, YES

Sotiris Loucatos,

Tsuyoshi Nakaya YES

Raj Ghandi, MB

Joachim Kopp, NO

Manfred Lindner, MB

Jean Tran Thanh Van

## Can we organize parallel sessions?

- 1. each parallel session needs two conveners (at least) Experiment&Theory**
2. these need to be present at the Rencontres du Vietnam (RdV)
3. ACTION we need the topics and to find the conveners (in Program committee or otherwise)

NB I did not take parallel sessions into account in setting up the draft program and could see that parallel sessions would allow deeper investigations and thus could be beneficial.

# Possible themes

1. Present status of **neutrino oscillations** and future prospects
  - including theoretical and experimental issues with cross-sections
2. **Experimental searches for direct evidence of sterile\*) neutrinos**
  - includes eV scale, keV scale, pion to Z scale and beyond
  - review models for sterile neutrinos and phenomenological implications
  - review experimental proposals
3. **other manifestations of neutrino mass models**

tests of unitarity and universality, LFV and LNV. In oscillations, nucl.phys, colliders

  - including present and future measurements of  $N_\nu$
  - include  $0\nu\beta\beta$ , muon and tau physics, etc...
4. **experimental techniques**
  - including technical synergies between neutrino/collider experiments and dark matter experiments
  - coherent scattering detectors and physics of coherent scattering in other fields
5. **neutrinos and cosmology & astrophysics**
  - including  $N_\nu$ ,  $m_\nu$  measurements, implications of neutrino models for the BAU and dark matter etc...

\*) aka RH-neutrinos, HNL, Majorana neutrinos etc...

# 1. Present status of neutrino oscillations and future prospects

-- including theoretical and experimental issues with cross-sections

Nakaya suggests:

1. **Son CAO (KEK) (Invited)**
2. Mark Hartz (TRIUMF/IPMU)
3. **M. Ishitsuka** (Tokyo Science)

Maybe another person from theory or someone from reactor neutrino community?

**ACTION : find theorist**

## 2. Experimental searches for direct evidence of sterile/RH/HNL/Majorana neutrinos

- includes eV scale, keV scale, pion to Z scale and beyond
  - review models for sterile neutrinos and phenomenological implications
  - review experimental proposals

### Boris and Joachim to make suggestions

- finally suggest that **Boris+Joachim** acts as convener with an experimenter still to be defined

Son Cao suggests **Justin Evans (no)** Leigh Withehead (invited),

Alain listed many possibilities -- Oliver Fischer, Marco Drewes,

### 3. other manifestations of neutrino mass models

(Alain suggests Silvia Pascoli, **Martin Hirsch (invited)**

**Marcin Chrzęszcz (invited)** Alberto Luisiani )

- tests of unitarity and universality, LFV and LNV. In oscillations,  $0\nu\beta\beta$ , colliders
- including present and future measurements of  $N\nu$  at colliders
- include  $0\nu\beta\beta$ , muon and tau physics, etc...

ask: Vissani, Feruglio, Steve King, Ruiz

## 4. experimental techniques

- including technical synergies between neutrino/collider experiments and dark matter experiments
- coherent scattering detectors and physics of coherent scattering in other fields

Alain suggest K. Scholberg, **D. Sgalaberna (would accept)**, Kikawa-san

(need some liquid argon-type person) **Ornella Palamara** Bonnie Flemming

**Both invited**

## 5. neutrinos and cosmology & astrophysics

-- including  $N_\nu$ ,  $m_\nu$  measurements, implications of neutrino models for the BAU and dark matter, messenger astronomy, supernovae, etc... etc...

### Sotiris and Jacques suggestions:

Steen Hannestad, Julien Lesgourgues, Maria Archidiacono, Nathalie Palanque-Delabrouille (Irfu-Saclay), Jean-Marc Le Goff (Irfu-Saclay)

Perhaps more junior speakers for convenors?

Titles for talks ?

Settled JD+SL to ask **Jean-Marc Le Goff, Yvonne Wang**