

# TRAINING WEEK PROGRAM

Monday

Tuesday

Wednesday

Thursday

Friday

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8:45-9:00

9:00-10:00

10:30-11:30

13:30-14:30

14:45-15:45

Welcome  
G. Barenboim:  
« *Introductory lectures  
on neutrinos* »  
  
Y. Wong:  
« *Neutrinos in cosmology* »

Lunch break

G. Barenboim:  
« *Introductory lectures  
on neutrinos* »  
  
S. Lavignac:  
« *Neutrinos and physics  
beyond the Standard Model* »

G. Barenboim:  
« *Introductory lectures  
on neutrinos* »  
  
C. Lunardini:  
« *Neutrinos in astrophysics* »

Lunch break

Y. Wong:  
« *Neutrinos in cosmology* »  
  
S. Lavignac:  
« *Neutrinos and physics  
beyond the Standard Model* »

T. Kajita:  
« *A path to discovery:  
neutrinos and  
gravitational waves* »  
  
Y. Wong:  
« *Neutrinos in cosmology* »

Lunch break

C. Lunardini:  
« *Neutrinos in astrophysics* »  
  
S. Krieg (15')  
Neutrinos as gravitational wave detectors  
R. Kumar (15')  
Neutrino mass sum rules from modular  
symmetry  
P. Adolf (15')  
Radiative neutrino masses and the  
Cohen-Kaplan-Nelson bound  
F. Verdiani (15')  
Nonlinear modelling of massive neutrino  
cosmologies inLSS  
C.M. Ayber (15')  
Neutrino Masses from a Hybrid Type I + III  
inverse Seesaw Mechanism  
A.K. Pradhan (15')  
Majorana Phase in two flavor neutrino oscillation  
with neutrino decay and decoherence  
S. Dey (15')  
Study of neutrino mass matrix with  
vanishing trace and one vanishing minor  
K. Prajapati (15')  
The dark hypercharge symmetry  
A. Gupta (15')  
Understanding the quantum decoherence  
In long-baseline neutrino experiments

T. Kajita:  
« *A path to discovery:  
neutrinos and  
gravitational waves* »  
  
L. Alvarez-Ruso:  
« *Neutrino interactions* »

Lunch break

L. Alvarez-Ruso:  
« *Neutrino interactions* »  
  
C. Lunardini:  
« *Neutrinos in astrophysics* »