

Planning

Monday 22 October 2012 (Amphithéâtre Bibliothèque - INSA)

- 08:30 - 08:45 Welcome
Chairperson: D.Autiero (IPNL Lyon)
- 08:45 - 09:00 Introduction
- 09:00 - 09:45 Review on neutrino oscillation experiments
Dave Wark (Imperial College London)
- 09:45 - 10:15 Experiments at nuclear reactors for the measurement of θ_{13}
Anatael Cabrera (APC Paris)
- 10:15 - 10:45 Mass hierarchy determination with atmospheric neutrinos (PINGU)
Ken Clark (Penn State University)
- 10:45 - 11:20 Coffee break (Restaurant Castor et Pollux - INSA)
Chairperson: Carlo Giunti (INFN Torino)
- 11:20 - 11:50 Searches for sterile neutrinos
Michel Cribier (CEA SACLAY & APC)
- 11:50 - 12:40 Future projects for long-baseline experiments
André Rubbia (ETH Zurich)
- 12:40 - 14:20 Lunch break (Restaurant Castor et Pollux - INSA)
Chairperson: Aldo Deandrea (IPNL Lyon)
- 14:20 - 15:05 Neutrino oscillations: phenomenological overview
Thomas Schwetz (MPIK, Heidelberg)
- 15:05 - 15:35 Neutrinos and discrete flavor symmetries
Claudia Hagedorn (INFN Padova)
- 15:35 - 16:05 Proton decay theory review
Borut Bajc (J. Stefan Institute, Ljubljana)
- 16:10 - 16:45 Coffee break (Restaurant Castor et Pollux - INSA)
Chairperson: Thomas Schwetz (MPIK Heidelberg)
- 16:45 - 17:20 MINOS and perspectives for long-baseline experiments in the U.S.
Jenny Thomas (University College London)
- 17:20 - 17:55 Perspectives in Japan for the search for CP violation in the neutrino sector, proton
decay and supernova neutrinos
Masayuki Nakahata (ICRR Tokyo)
- 17:55 - 18:25 Hadroproduction and neutrino beams
Sandro Bravar (Université de Genève)
- 19:00 - 20:00 Welcome cocktail

Tuesday 23 October 2012 (Amphithéâtre Bibliothèque - INSA)

Chairperson: Cristina Volpe (APC, Paris)

- 09:00 - Supernova Neutrinos**
09:45 Georg Raffelt (Max Planck Institut für Physik, Munich)
- 09:45 - Stability analysis of self-induced neutrino oscillations in supernovae Alessandro Mirizzi**
10:15 (University of Hamburg)
- 10:15 - Perspectives on neutrino mass hierarchy determination via supernova neutrino detection**
10:45 Pasquale Serpico (LAPTh Annecy)
- 10:45 - Coffee Break (Restaurant Castor et Pollux - INSA)**
11:20

Chairperson: Georg Raffelt (MPI Munich)

- 11:20 - New predictions for X-ray binaries as Galactic gamma-ray, cosmic-ray and neutrino sources**
11:50 Samia Drappeau (University of Amsterdam)
- 11:50 - Solar neutrino emission and related questions on the core of Sun and solar-like stars Sylvaine**
12:35 Turk-Chièze (IRFU CEA Saclay)
- 12:40 - Lunch Break (Restaurant Castor et Pollux - INSA)**
14:20

Chairperson: Masayuki Nakahata (ICRR Tokyo)

- 14:20 - Solar neutrinos: recent results**
14:50 Daniel Vignaud (APC Paris)
- 14:50 - Review on high energy neutrinos**
15:35 Antoine Kouchner (APC Paris)
- 15:35 - Antares results**
16:05 Pascal Gay (LPC Clermont)
- 16:10 - Coffee Break**
16:45

Chairperson: Rolf Walder (CRAL Lyon)

- 16:45 - Neutrinos from gamma-ray bursts, and tests of the cosmic ray paradigm**
17:15 Philipp Baerwald (Würzburg University)
- 17:15 - A first search for coincident gravitational waves and high energy neutrinos using LIGO,**
17:45 Virgo and ANTARES data from 2007
Veronique Van Elewyck (APC Paris)
- 18:00 - Visite des traboules de Lyon - Le parcours de Saint Jean vous fera partir vers la place Saint**
20:00 Paul, et sinue dans le vieux quartier de Saint Jean pour arriver devant la cathédrale Saint Jean.
- 20:00 - Conference Dinner**
22:30



Wednesday 24 October 2012 (Amphithéâtre Bibliothèque - INSA)

Chairperson: Sacha Davison (IPNL Lyon)

- 09:00 - CP violation and leptogenesis**
09:45 Gustavo Branco (CFTP Lisbon)
- 09:45 - Supersymmetric dark matter**
10:15 Alexandre Arbey (CRAL Lyon)
- 10:15 - Effects of dynamical neutrino asymmetries for eV sterile neutrino production in the early universe**
10:45 Ninetta Saviano (Institut für Theoretische Physik, Hamburg)
- 10:45 - Coffee Break (Restaurant Castor et Pollux - INSA)**
11:20

Chairperson: Pasquale Serpico (LAPTh Annecy)

- 11:20 - Neutrinos from wimp annihilation**
11:50 Marco Cirelli (IPhT CNRS Saclay)
- 11:50 - Determination of cosmological parameters and neutrinos**
12:35 Licia Verde (ICC Barcelona)
- 12:40 - Lunch Break (Restaurant Castor et Pollux - INSA)**
14:20

Chairperson: Gustavo Branco (CFTP Lisbon)

- 14:20 - Cosmic Flows surveys and Constrained cosmological simulations**
14:50 Helene Courtois (IPNL/CRAL Lyon)
- 14:50 - Searches for neutrinoless double beta decay**
15:20 Francois Mauger (LPC Caen)
- 15:20 - Neutrino masses in cosmology, neutrinoless double beta decay and direct neutrino masses**
16:05 Carlo Giunti (INFN Torino)
- 16:10 - Coffee Break**
16:45

Chairperson: Helene Courtoise (IPNL Lyon)

- 16:45 - Supernovae Ia as a probe in cosmology: variability**
17:15 Gerard Smadja (IPNL Lyon)
- 17:15 - Dark matter searches**
17:45 Jules Gascon (IPNL Lyon)

Chairperson: Arnaud Marsollier (IN2P3)

- 18:30 - Conférence grand public (Amphithéâtre Bibliothèque - INSA) - Stavros KATSANEVAS -**
20:00 Prof. Université Paris 7

