

TAUP 2003

WORKSHOP SESSION ON SOLAR AND LOW-ENERGY NEUTRINO PHYSICS (September 5 and 7)

Conveners: E. Bellotti, J. Wilkerson, K. Zuber

Location: Physics Bldg. Room A102

Sunday, September 7

SOLAR & LOW-ENERGY II (Allocated times include questions – talk+questions)

Session Chairs: G. Drexlin, R. Mohapatra

- 14:00-14:15 Precision Neutrino Oscillation Physics with an Intermediate Baseline Reactor Neutrino Experiment (12'+3')
Maurizio Piai (Yale)
- 14:15-14:30 Measuring Neutrino Oscillation Parameters with Reactors (12'+3')
Sandhya Choubey (Scuola Internazionale Superiore di Studi Avanzati)
- 14:30-14:45 Reactor Neutrino Measurement of θ_{13} (12'+3')
Karsten M. Heeger (Lawrence Berkeley National Laboratory)
- 14:45-15:00 Low Energy Neutrino Physics at the Kuo-Sheng Reactor Laboratory (12'+3')
Henry T. Wong (Institute of Physics, Academia Sinica, Taiwan)
- 15:00-15:15 Magnetic moment measurement of the electron antineutrino from the MUNU experiment (12'+3')
Frédéric Juget (Institut de Physique, Université de Neuchatel)
- 15:15-15:30 The Milano electron antineutrino mass experiment (12'+3')
Stefano Pirro (INFN-Sezione di Milano)
- 15:30-15:45 A Facility for Neutrino-Nucleus Cross Section Measurements at the Spallation Neutron Source (12'+3')
Yuri Efremenko (ORNL/Univ. Tenn.)
- 15:45-16:00 Physics Potential of the Solar Neutrino Experiments (12'+3')
Baha Balantekin (University of Wisconsin-Madison)
- 16:00-16:15 Standard and non-standard physics in neutrino oscillations (12'+3')
Michele Maltoni (Istituto de Física Corpuscular - CSIC/UEG)
- 16:15-16:30 Neutrino masses and mixings in dimensional deconstruction models (12'+3')
Balaji Katlai Rangaswamy (McGill University)
- 16:30-16:45 A phenomenological approach in reconstructing the lepton mass matrices (12'+3')
Marco Picariello (Universita' degli studi di Milano)
- 16:45-17:00 Neutrino Oscillations and Many Particle Neutrino Interactions (12'+3')
Cecilia Lunardini (Institute for Advanced Study)
- 17:00-17:15 Structure of neutrino mass matrix and implications for leptogenesis (12'+3')
Michele Frigerio (International School for Advanced Studies (SISSA-ISAS))