

International Workshop on Neutrino Masses and Mixings
— Toward Unified Understanding of Quark and Lepton Mass Matrices —

PROGRAM

Workshop site: Seminar Room 13113 in the Nursing Building

(see “Campus Map” at Workshop Web Site)

December 17 (Sun)

12:30 - 13:30 Registration desk will be opened at the front of Seminar Room 13113

13:35 - 15:45 *Chairperson:* H. Minakata

13:30 - 13:35 Opening

13:35 - 14:25 M. Shiozawa (ICRR, U Tokyo)

Review on neutrino oscillation experiments

14:25 - 15:05 A. Kozlov (Tennessee)

New developments at KamLAND

15:05 - 15:45 M. Koike (Saitama U)

Systematic analysis of the determination of $\text{sgn}(\delta m_{31})$ and δ_{CP} in long baseline neutrino oscillation experiments

15:45 - 16:10 **Coffee Break**

16:10 - 18:20 *Chairperson:* M. Tanimoto

16:10 - 17:00 H. Minakata (Tokyo Metropolitan U)

Neutrinos: Looking forward to the future

17:00 - 17:40 J. Sato (Saitama U)

Monoenergetic neutrino beam for long baseline experiments

17:40 - 18:20 T. Shimomura (Saitama U)

Laser irradiated enhancement of atomic electron Capture Rate for new physics search

18:40 - **Welcome Party**

December 18 (Mon)

9:00 - 10:30 *Chairperson:* Y. Koide

9:00 - 9:50 Z. Xing (IHEP)

From the broken Friedberg-Lee symmetry to the broken mu-tau symmetry

9:50 - 10:30 T. Baba (Tokai U)

What does mu-tau symmetry imply about leptonic CP violation?

10:30 - 10:40 **Coffee Break**

10:40 - 12:40 *Chairperson:* Z. Xing

10:40 - 11:20 H. Sawanaka (Niigata U)

Quark and lepton mass matrices with A_4 family symmetry

11:20 - 12:00 K. Matsuda (Tsinghua U)

Can four-zero-texture mass matrix model reproduce the quark and lepton mixing angles and CP violating phases?

12:00 - 12:40 M. Obara (IHEP)

On the Fukugita-Tanimoto-Yanagida ansatz with partially non-degenerate right-handed Majorana neutrinos

12:40 - 13:50 **Lunch Time**

- 13:50 - 15:50 *Chairperson: M. Yasue*
 13:50 - 14:30 Y. Koide (U Shizuoka)
Charged lepton mass formula – Development and prospect –
 14:30 - 15:10 T. Shingai (Niigata U)
Flavor symmetry and vacuum aligned mass textures
 15:10 - 15:50 T. Morozumi (Hiroshima U)
Low energy effective Lagrangian for supersymmetric seesaw model
- 15:50 - 16:10 **Coffee Break**
- 16:10 - 18:20 *Chairperson: T. Fukuyama*
 16:10 - 17:00 C.S. Kim (Yonsei U)
Tree FCNC and non-unitarity of mixing
 17:00 - 17:40 T. Araki (Kanazawa U)
Anomaly of discrete family symmetries and gauge coupling unification
 17:40 - 18:20 S.A. Ganiyu (Nigerian IPNR)
Neutrino masses and oscillations

December 19 (Tue)

- 9:00 - 10:20 *Chairperson: T. Morozumi*
 9:00 - 9:40 T. Yamashita (SISSA)
Flavor violation in "minimal" SUSY SU(5) models
 9:40 - 10:20 T. Fukuyama (Ritsumeikan U)
The present status of renormalizable minimal SO(10) GUT model
- 10:20 - 10:30 **Coffee Break**
- 10:30 - 12:30 *Chairperson: C. S. Kim*
 10:30 - 11:10 S.K. Kang (Sogang U)
Extended double seesaw model and low scale leptogenesis
 11:10 - 11:50 T. Takayama (ICRR, U Tokyo)
*Baryogenesis via left-right asymmetry generated by Affleck-Dine mechanism
 in Dirac neutrino model*
 11:50 - 12:30 R. Takahashi (Niigata U)
Dark energy and neutrino model in SUSY
- 12:30 - 13:40 **Lunch Time**
- 13:40 - 15:45 *Chairperson: J. Sato*
 13:40 - 14:20 H. Okada (Kanazawa U)
D6 family symmetry and cold dark matter at LHC
 14:20 - 15:00 S. Ichinose (U Shizuoka)
CP violation from a higher dimensional model
 15:00 - 15:40 M. Yamanaka (Saitama U)
*Solving cosmological problem in universal extra dimension models
 by introducing Dirac neutrino*
 15:40 - 15:45 Closing