

研究会「CPの破れと物質生成」プログラム

2005年1月12日-14日

京都大学基礎物理学研究所 新館 2F Room K206

1月12日

chair: 金子悟, S. Kaneko

- 10:00 – 10:45 兼村晋哉 (大阪大), S. Kanemura (Osaka U.)
Lepton Flavor Violating $\mu N(eN) \rightarrow \tau X$ Reactions in Supersymmetric Models
- 10:45 – 11:30 太田俊彦 (大阪大), T. Ohta (Osaka U.)
Signature of the MSSM with right-handed neutrinos in long baseline experiments
- 11:30 – 12:15 Kang Sin Kyu (Seoul National U.)
Neutrino mixing as a probe of grand unification

— lunch —

chair: 吉川直志, T. Yoshikawa

- 13:15 – 14:00 船久保公一 (佐賀大), K. Funakubo (Saga U.)
Status of the Electroweak Baryogenesis [review]
- 14:00 – 14:45 田尾周一郎 (九州大), S. Tao (Kyushu U.)
Results on the Electroweak Phase Transition in the NMSSM with explicit CP Violation
- 14:45 – 15:15 Xing Zhi-Zhong (IHEP)
Geometric neutrino mass hierarchy and leptogenesis

— break —

chair: 船久保公一, K. Funakubo

- 15:45 – 16:30 瀬名波栄問 (総研大, KEK), E. Senaha (KEK-SOKENDAI)
Electroweak baryogenesis and quantum corrections to the triple Higgs boson coupling
- 16:30 – 17:15 長谷川耕平 (神戸大), K. Hasegawa (Kobe U.)
Protecting the primordial baryon asymmetry in the $SU(2)_L$ triplet Higgs model compatible with KamLAND and WMAP

An LCD projector is ready for your PC or a Win-PC from YITP equipped with PowerPoint and Adobe Reader.

1月13日

chair: 栗本猛, T. Kurimoto

10:00 – 10:45 吉川直志 (名古屋大), T. Yoshikawa (Nagoya U.)
Large electroweak penguin contribution in $B \rightarrow K\pi$ and $\pi\pi$ decays

10:45 – 11:15 Xing Zhi-Zhong (IHEP)
New results from the isospin analysis of $B \rightarrow \pi\pi$ decays

11:15 – 12:00 伊藤英男 (茨城大, KEK), H. Itoh (Ibaraki U., KEK)
Tauonic B decays in the MSSM

— lunch —

chair: 久保治輔, J. Kubo

13:15 – 14:00 金子悟 (お茶大), S. Kaneko (Ochanomizu U.)
Neutrino mass matrix from non-abelian discrete symmetry

14:00 – 14:45 小出義夫 (静岡県立大), Y. Koide (U. of Shizuoka)
Maximal CP Violation Hypothesis and Phase Convention of the CKM Matrix

14:45 – 15:15 柿崎充 (東京大宇宙線研), M. Kakizaki (U. Tokyo, ICRR)
Hadronic EDMs in SUSY GUTs

— break —

chair: 谷本盛光, M. Tanimoto

15:45 – 16:30 久保治輔 (金沢大), J. Kubo (Kanazawa U.)
Finite Groups for Family Symmetry

16:30 – 17:15 両角卓也 (広島大), T. Morozumi (Hiroshima U.)
Family asymmetries and neutrino mass matrix

1月14日

chair: 両角卓也, T. Morozumi

10:00 – 10:45 松田智裕 (埼玉工大), T. Matsuda (Saitama I. Tech.)
Affleck-Dine baryogenesis, Q-balls and braneworld

10:45 – 11:30 佐藤快生 (埼玉大), Y. Sato (Saitama U.)
Significant enhancement of Bino-like dark matter annihilation cross
section due to CP violation

11:30 – 12:15 高橋亮 (新潟大), R. Takahashi (Niigata U.) (talk presented in Japanese)
Dark energy and Neutrino model