

Contents

I. Invitation to the Quark and Lepton Mass Matrices (Q&LMM)

Flavor Mixing and the Masses of the Light Quarks	1
H. Fritzsch	
Textures of Fermion Mass Matrices	12
M. Tanimoto	
Updated Running Quark Mass Values	18
H. Fusaoka	
II. CP-violation and the CKM Matrix	
CP-Violating Signals in the First-round Experiments of a B-meson Factory	30
Z.Z. Xing	
Toward the Second Stage at B Factory	47
T. Kurimoto	
CP Violation in Top-Quark Decay	57
S. Wakaizumi	
Flavor-Nonconservation and CP-Violation with Singlet Quarks	67
K. Yamamoto	
Weak Form Factors of Heavy Mesons Expanded in $1/m_Q$	76
T. Matsuki	

III. Morphology of Q&LMM

Perspectives on Quark Mass and Mixing Relations	92
W. S. Hou	
Analysis of the Mass Matrices Using the NNI Basis	108
N. Okamura	

Democratic Seesaw Mass Matrix Model and New Physics **123**

Y. Koide

The Top Quark Mass and Flavor Mixing in a Seesaw Model of Quark Masses ,133

T. Satou

Flavor Democracy and Quark Mass Matrices *..**.....*..... 147

C.S. Kim

IV. Symmetries and Q&LMM Model

Mass Hierarchy and Mixing as Results of Simultaneous Dynamical Breaking of Chiral and Flavor Symmetries 160

I. Dyatlov

Local Symmetries Allowing Hierarchy (Democracy) in the Fermion Mass Spectrum 169

A. Zepeda

Some Advantages of SUSY Pati-Salam Model in SO(10) GUTs 180

A. Murayama

Fermion Masses and Mixings in a String Inspired Model** 1.88

T. Matsuoka

Quark Mass Matrices in String Models on Masses and Mixings of Quarks and Leptons . . . 201

T. Kobayashi

Generalization of Covariant Derivatives — Towards a Unification of Gauge and Higgs Fields — 207

I. Sogami

V. Neutrino Masses and Mixings

Mass Generation of the Lepton Sector 237

S.S. Xue

Mass Matrix of Majorana Neutrinos	252
---	-----

T. Fukuyama

<i>CP</i> -aid T-Violation Effects in Long Baseline Neutrino Oscillation Experiments	259
--	-----

J. Sato

Neutrino Mass and Mixing in the Universal Yukawa Coupling Model, ...	276
--	-----

T. Teshima

VI. Related Topics

Compositeness Condition	295
-------------------------------	-----

K. Akama

Bell's Inequality and Application to the K^0 - \bar{K}^0 system	305
---	-----

N. Hashimoto

Program	322
----------------------	------------

List of Participants	325
-----------------------------------	------------