

FLASY12 - Workshop on Flavor Symmetries



Report of Contributions

Contribution ID: 3

Type: **not specified**

A_4, Theta_13, and Delta_CP

Saturday, 30 June 2012 14:05 (20 minutes)

Presenter: MA, Ernest (UC Riverside)

Session Classification: Flavor Symmetries

Contribution ID: 4

Type: **not specified**

Vacuum Alignment from Group Theory

Saturday, 30 June 2012 14:25 (20 minutes)

Presenter: Mr HOLTHAUSEN, Martin (Max-Planck-Institut für Kernphysik, Heidelberg)

Session Classification: Flavor Symmetries

Contribution ID: 5

Type: **not specified**

Discrete flavor symmetries and geometrical CP violation

Saturday, 30 June 2012 14:45 (20 minutes)

Presenter: LESER, Philipp (TU Dortmund)

Session Classification: Flavor Symmetries

Contribution ID: 6

Type: **not specified**

(Non-)Abelian discrete anomalies

Saturday, 30 June 2012 15:05 (20 minutes)

Presenter: RATZ, Michael (TU Munich)

Session Classification: Flavor Symmetries

Contribution ID: 7

Type: **not specified**

Models of Flavor Symmetries and the Stability of their Predictions

Saturday, 30 June 2012 15:25 (20 minutes)

Presenter: CHEN, Mu-Chun (UC Irvine)

Session Classification: Flavor Symmetries

Contribution ID: 8

Type: **not specified**

Neutrino Masses and Mixing: Evidences and Implications

Saturday, 30 June 2012 16:15 (20 minutes)

Presenter: VALLE, Jose (IFIC Valencia)

Session Classification: Neutrinos

Contribution ID: 9

Type: **not specified**

Embedding Models Generating Neutrino Masses via Higher-Dimensional Effective Operators in an SU(5) GUT

Saturday, 30 June 2012 16:35 (20 minutes)

Presenter: KRAUSS, Martin (Wuerzburg University)

Session Classification: Neutrinos

Contribution ID: **10**

Type: **not specified**

Relating Neutrino Mixing Angles to Neutrino Masses

Saturday, 30 June 2012 16:55 (20 minutes)

Presenter: TANIMOTO, Morimitsu (Niigata University)

Session Classification: Neutrinos

Contribution ID: 11

Type: **not specified**

A Minimal Model of Neutrino Flavour

Saturday, 30 June 2012 17:15 (20 minutes)

Presenter: Dr WINGERTER, Akin (LPSC)

Session Classification: Neutrinos

Contribution ID: 12

Type: **not specified**

Search for Neutrinoless Double-Beta Decay in ^{136}Xe with EXO-200

Saturday, 30 June 2012 17:35 (20 minutes)

Presenter: PIEPKE, Andreas (Alabama University)

Session Classification: Neutrinos

Contribution ID: 13

Type: **not specified**

Enhanced Higgs Mediated Lepton Flavour Violating Processes in the Supersymmetric Inverse Seesaw Model

Sunday, 1 July 2012 09:30 (23 minutes)

Presenter: DAS, Debottam (LPT, Orsay)

Session Classification: Beyond the Standard Model

Contribution ID: 14

Type: **not specified**

New physics beyond flavour dogmas

Sunday, 1 July 2012 09:53 (22 minutes)

Presenter: BRANCO, Gustavo (CFTP Lisbon)

Session Classification: Beyond the Standard Model

Contribution ID: 15

Type: **not specified**

Radiative Penguins in RS Models and $g-2$

Sunday, 1 July 2012 10:15 (23 minutes)

Presenter: BENEKE, Martin (TU Munich)

Session Classification: Beyond the Standard Model

Contribution ID: 16

Type: **not specified**

Solving Flavor Problems in Composite Higgs Models

Sunday, 1 July 2012 10:38 (22 minutes)

Presenter: REDI, Michele (CERN)

Session Classification: Beyond the Standard Model

Contribution ID: 17

Type: **not specified**

Gravitino Dark Matter with colored NLSPs

Sunday, 1 July 2012 11:30 (23 minutes)

Presenter: COVI, Laura (Goettingen University)

Session Classification: Dark Matter

Contribution ID: **18**

Type: **not specified**

Dark Matter and Flavor Symmetry

Sunday, 1 July 2012 11:53 (22 minutes)

Presenter: MORISI, Stefano (IFIC Valencia)

Session Classification: Dark Matter

Contribution ID: 19

Type: **not specified**

Phenomenological aspects of discrete Dark Matter

Sunday, 1 July 2012 12:15 (23 minutes)

Presenter: BOUCENNA, Sofiane (IFIC Valencia)

Session Classification: Dark Matter

Contribution ID: 20

Type: **not specified**

Multi-Component Dark Matter System with Non-Standard Annihilation Processes of Dark Matter

Sunday, 1 July 2012 12:38 (22 minutes)

Presenter: Prof. KUBO, Jisuke (Kanazawa University)

Session Classification: Dark Matter

Contribution ID: 21

Type: **not specified**

Family Symmetries in the Light of Large Theta_13

Sunday, 1 July 2012 14:30 (23 minutes)

Presenter: LUHN, Christoph (Durham University)

Session Classification: Neutrinos

Contribution ID: 22

Type: **not specified**

TFH Mixing Patterns, Large Theta_13 and Delta(96) Family Symmetry

Sunday, 1 July 2012 14:53 (22 minutes)

Presenter: DING, Gui-Jun (Hefei University)

Session Classification: Neutrinos

Contribution ID: 23

Type: **not specified**

Spontaneous CP Violation and Nonzero Theta_13

Sunday, 1 July 2012 15:15 (23 minutes)

Presenter: SERODIO, Hugo (CFPT Lisbon)

Session Classification: Neutrinos

Contribution ID: 24

Type: **not specified**

Flavour Symmetry Models after Daya Bay and RENO

Sunday, 1 July 2012 15:38 (22 minutes)

Presenter: KING, Steve (Southampton University)

Session Classification: Neutrinos

Contribution ID: 25

Type: **not specified**

Pathways to small neutrino masses: The one-loop story

Sunday, 1 July 2012 16:30 (23 minutes)

Presenter: HIRSCH, Martin (IFIC Valencia)

Session Classification: Lepton Flavor Violation

Contribution ID: 26

Type: **not specified**

Enhancing $l_i \rightarrow 3l_j$ with the Z^0 Penguin

Sunday, 1 July 2012 16:53 (22 minutes)

Presenter: VICENTE, Avelino (LPT Orsay)

Session Classification: Lepton Flavor Violation

Contribution ID: 27

Type: **not specified**

Neutrino Masses and LFV from $U(3)^5 \rightarrow U(2)^5$ in SUSY

Sunday, 1 July 2012 17:15 (23 minutes)

Presenter: BLANCKENBURG, Gianluca (Roma Tre University)

Session Classification: Lepton Flavor Violation

Contribution ID: 28

Type: **not specified**

RS-A4, θ_{13} and LFV

Sunday, 1 July 2012 17:38 (22 minutes)

Presenter: KADOSH, Avihay (Groningen University)

Session Classification: Lepton Flavor Violation

Contribution ID: 29

Type: **not specified**

TBA

Presenter: Mr PIDT, Daniel (TU Dortmund)

Contribution ID: **30**

Type: **not specified**

keV Sterile Neutrinos as Dark Matter

Monday, 2 July 2012 09:30 (23 minutes)

Presenter: LINDNER, Manfred (MPI Heidelberg)

Session Classification: Neutrinos

Contribution ID: 31

Type: **not specified**

Direct Detection of Leptophilic Dark Matter in a Model with Radiative Neutrino Masses

Monday, 2 July 2012 09:53 (22 minutes)

Presenter: SCHMIDT, Daniel (MPI Heidelberg)

Session Classification: Neutrinos

Contribution ID: 32

Type: **not specified**

Sterile Neutrinos for Warm Dark Matter and the Reactor Anomaly in Flavor Symmetry Models

Monday, 2 July 2012 10:15 (23 minutes)

Presenter: BARRY, James (MPI Heidelberg)

Session Classification: Neutrinos

Contribution ID: 33

Type: **not specified**

2012 Status of Neutrino Oscillations: Theta₁₃ and Beyond

Monday, 2 July 2012 10:38 (22 minutes)

Presenter: TORTOLA, Mariam (IFIC Valencia)

Session Classification: Neutrinos

Contribution ID: 34

Type: **not specified**

Flavour Physics from an approximate $U(2)^3$ Symmetry

Wednesday, 4 July 2012 10:16 (23 minutes)

Presenter: SALA, Filippo (SNS & INFN Pisa)

Session Classification: Heavy Flavor Physics at the LHC

Contribution ID: 35

Type: **not specified**

Local Flavour Symmetries

Monday, 2 July 2012 11:30 (23 minutes)

Presenter: HEECK, Julian (MPI Heidelberg)

Session Classification: Flavor Symmetries

Contribution ID: 36

Type: **not specified**

The quark NNI textures rising from $SU(5) \times Z_4$ symmetry

Monday, 2 July 2012 11:53 (22 minutes)

Presenter: SIMOES, Catarina (CFPT Lisbon)

Session Classification: Flavor Symmetries

Contribution ID: 37

Type: **not specified**

Higgs mediators, θ_{13} and light familons

Monday, 2 July 2012 12:15 (22 minutes)

Presenter: DE MEDEIROS VARZIELAS, Ivo (TU Dortmund)

Session Classification: Flavor Symmetries

Contribution ID: **38**

Type: **not specified**

On the Messenger Sector of SUSY Flavour Models

Monday, 2 July 2012 14:30 (23 minutes)

Presenter: Dr CALIBBI, Lorenzo (Max-Planck-Institut fuer Physik, Muenchen)

Session Classification: SUSY Flavor

Contribution ID: 39

Type: **not specified**

Flavour in SUSY Models with Extended Gauge Symmetries

Monday, 2 July 2012 14:53 (22 minutes)

Presenter: POROD, Werner (Universität Würzburg)

Session Classification: SUSY Flavor

Contribution ID: 40

Type: **not specified**

Squark Flavour Implications from $B \rightarrow K^{(*)}l+l-$

Monday, 2 July 2012 15:15 (23 minutes)

Presenter: Mr SCHACHT, Stefan (Technische Universität Dortmund)

Session Classification: SUSY Flavor

Contribution ID: 41

Type: **not specified**

Flavoured Gauge Mediation

Monday, 2 July 2012 15:38 (22 minutes)

Presenter: SHADMI, Yael (Technion Haifa)

Session Classification: SUSY Flavor

Contribution ID: 42

Type: **not specified**

Renormalization Group Effects on the Chromoelectric Dipole Moment via CP violating Four Fermion Operators

Monday, 2 July 2012 16:30 (23 minutes)

Presenter: YANG, Masaki (Tokyo University)

Session Classification: Beyond the Standard Model

Contribution ID: 43

Type: **not specified**

Novel Higgs signatures from S3 flavor symmetry

Monday, 2 July 2012 16:53 (22 minutes)

Presenter: Prof. BHATTACHARYYA, Gautam (Saha Institute of Nuclear Physics, 1/AF Bidhan Nagar, Kolkata 700064, India)

Session Classification: Beyond the Standard Model

Contribution ID: 44

Type: **not specified**

A SUSY SU(5) × T' Unified Model of Flavour with large θ_{13}

Monday, 2 July 2012 17:15 (23 minutes)

Presenter: Ms MERONI, Aurora (sissa)

Session Classification: Beyond the Standard Model

Contribution ID: 45

Type: **not specified**

The "Singlet Flavor" and Particle Time Travel

Monday, 2 July 2012 17:38 (22 minutes)

Presenter: WEILER, Thomas (Vanderbilt University Nashville)

Session Classification: Beyond the Standard Model

Contribution ID: 46

Type: **not specified**

Correlations in Minimal $U(2)^3$ models and an $SO(10)$ SUSY GUT model facing new data

Tuesday, 3 July 2012 09:30 (23 minutes)

Presenter: Mrs GIRRBACH, Jennifer (Karlsruhe Institute of Technology, Institut fuer Theoretische Teilchenphysik)

Session Classification: SUSY Flavor

Contribution ID: 47

Type: **not specified**

Flavour Symmetry in Pati-Salam GUTs

Tuesday, 3 July 2012 09:53 (22 minutes)

Presenter: HARTMANN, Florian (Siegen University)

Session Classification: SUSY Flavor

Contribution ID: 48

Type: **not specified**

Neutrinoless Double Beta Decay Mechanisms at LHC

Tuesday, 3 July 2012 10:15 (23 minutes)

Presenter: HELO HERRERA, Juan Carlos (Santa Maria University Valparaiso)

Session Classification: SUSY Flavor

Contribution ID: 49

Type: **not specified**

Probing the Right-Handed Neutrino Sector of Left-Right Symmetric Models at the LHC

Tuesday, 3 July 2012 10:38 (22 minutes)

Presenter: Dr DEPPISCH, Frank (University College London)

Session Classification: SUSY Flavor

Contribution ID: 50

Type: **not specified**

LHCb results now and tomorrow

Tuesday, 3 July 2012 11:30 (25 minutes)

Presenter: KREPS, Michal (Warwick University)

Session Classification: Heavy Flavor Physics at the LHC

Contribution ID: 51

Type: **not specified**

Quark Flavour Physics Facing Recent LHCb Data

Tuesday, 3 July 2012 11:55 (23 minutes)

Presenter: BURAS, Andrzej (TU Munich)

Session Classification: Heavy Flavor Physics at the LHC

Contribution ID: 52

Type: **not specified**

(Buried) Non-degenerate squarks, from flavor precision to colliders

Tuesday, 3 July 2012 12:18 (22 minutes)

Presenter: PEREZ, Gilad (Weizmann Institute Rehovot)

Session Classification: Heavy Flavor Physics at the LHC

Contribution ID: 53

Type: **not specified**

The S3 Flavour Symmetry: Quarks, Leptons and Higgs

Tuesday, 3 July 2012 14:30 (23 minutes)

Presenter: MONDRAGON, Myriam (Mexico University)

Session Classification: Flavor Symmetries

Contribution ID: 54

Type: **not specified**

Reactor mixing angle and flavor symmetries

Tuesday, 3 July 2012 14:53 (22 minutes)

Presenter: PEINADO, Eduardo (IFIC Valencia)

Session Classification: Flavor Symmetries

Contribution ID: 55

Type: **not specified**

The finite subgroups of SU(3)

Tuesday, 3 July 2012 15:15 (23 minutes)

Presenter: LUDL, Patrick (Vienna University)

Session Classification: Flavor Symmetries

Contribution ID: 56

Type: **not specified**

Two Approaches for Flavour Models with Large theta_13

Tuesday, 3 July 2012 15:38 (22 minutes)

Presenter: SPINRATH, Martin (SISSA Trieste)

Session Classification: Flavor Symmetries

Contribution ID: 57

Type: **not specified**

Semileptonic B Meson Decays in QCD

Tuesday, 3 July 2012 16:30 (18 minutes)

Presenter: Dr WANG, Yuming (Theoretische Physik 1, Fachbereich 7 (Physik), Universität Siegen)

Session Classification: B Flavor Physics

Contribution ID: 58

Type: **not specified**

Flavor Constraints from $b \rightarrow s$ Transitions

Tuesday, 3 July 2012 16:48 (18 minutes)

Presenter: VIRTO, Javier (UAB Barcelona)

Session Classification: B Flavor Physics

Contribution ID: 59

Type: **not specified**

Squark Flavor Mixing and CP Violation of Neutral B Mesons at LHCb

Tuesday, 3 July 2012 17:06 (18 minutes)

Presenter: YAMAMOTO, Kei (Niigata University)

Session Classification: B Flavor Physics

Contribution ID: **60**

Type: **not specified**

Constraining CP Violation in Neutral Meson Mixing with Theory Input

Tuesday, 3 July 2012 17:24 (18 minutes)

Presenter: TURCZYK, Sascha (LBNL Berkeley)

Session Classification: B Flavor Physics

Contribution ID: 61

Type: **not specified**

Extraction of the CP phase $2\beta_s$ and the life time difference $(\Delta\Gamma_s)$ from penguin free tree level B_s decays

Tuesday, 3 July 2012 17:42 (18 minutes)

Presenter: NANDI, Soumitra (Siegen University)

Session Classification: B Flavor Physics

Contribution ID: 62

Type: **not specified**

Top Forward-Backward Asymmetry in Chiral U(1)' Models

Wednesday, 4 July 2012 09:30 (23 minutes)

Presenter: Dr OMURA, Yuji (KIAS)

Session Classification: Heavy Flavor Physics at the LHC

Contribution ID: 63

Type: **not specified**

Determining Weak Phases from B- \rightarrow J/Psi P Decays

Wednesday, 4 July 2012 09:53 (23 minutes)

Presenter: JUNG, Martin (TU Dortmund)

Session Classification: Heavy Flavor Physics at the LHC

Contribution ID: **64**

Type: **not specified**

TBA

Presenter: KAGAN, Alexander (Cincinnati University)

Contribution ID: 65

Type: **not specified**

Implications of the Delta A_CP Measurement for New Physics

Wednesday, 4 July 2012 11:33 (22 minutes)

Presenter: Dr KAMENIK, Jernej (Jozef Stefan Institute)

Session Classification: Heavy Flavor Physics at the LHC

Contribution ID: 66

Type: **not specified**

Delta A_CP and "Old Physics" in D Decays

Wednesday, 4 July 2012 11:10 (23 minutes)

Presenter: FELDMANN, Thorsten (Siegen University)

Session Classification: Heavy Flavor Physics at the LHC

Contribution ID: 67

Type: **not specified**

Explicit and spontaneous breaking of SU(3) into its finite subgroups

Monday, 2 July 2012 12:37 (23 minutes)

Presenter: MERLE, Alexander (Southampton University)

Session Classification: Flavor Symmetries