

FLASY 2014 - Fourth workshop on flavour symmetries and consequences in accelerators and cosmology



Report of Contributions

Contribution ID: 13

Type: **not specified**

FLASY 2014 Summary

Saturday, 21 June 2014 11:30 (45 minutes)

Primary author: Prof. ANTUSCH, Stefan (University of Basel)

Presenter: Prof. ANTUSCH, Stefan (University of Basel)

Session Classification: Morning Session II - Chair: S. King

Contribution ID: 14

Type: **not specified**

Multicomponent dark matter in radiative seesaw model

Tuesday, 17 June 2014 14:20 (25 minutes)

Primary author: AOKI, Mayumi (Kanazawa University)

Presenter: AOKI, Mayumi (Kanazawa University)

Session Classification: Afternoon Session I - Chair: F. Feruglio

Contribution ID: 15

Type: **not specified**

Flavor symmetry and mass relations

Wednesday, 18 June 2014 13:40 (20 minutes)

Primary author: Mr BONILLA, Cesar (Universidad de Valencia, IFIC)

Presenter: Mr BONILLA, Cesar (Universidad de Valencia, IFIC)

Session Classification: Afternoon Session IB - Chair: M. Spinrath

Contribution ID: 16

Type: **not specified**

Constraints on top (and bottom) couplings

Saturday, 21 June 2014 08:55 (25 minutes)

Primary author: BROD, Joachim (TU Munich)

Presenter: BROD, Joachim (TU Munich)

Session Classification: Morning Session I - Chair: J. Rohrwild

Contribution ID: 17

Type: **not specified**

Two-Higgs-doublet model phenomenology

Wednesday, 18 June 2014 15:30 (25 minutes)

Primary author: CRIVELLIN, Andreas (C)

Presenter: CRIVELLIN, Andreas (C)

Session Classification: Afternoon Session II - Chair: A. Belyaev

Contribution ID: **18**

Type: **not specified**

Geometrical CP violation

Thursday, 19 June 2014 11:05 (25 minutes)

Primary author: DE MEDEIROS VARZIELAS, Ivo (University of Basel)

Presenter: DE MEDEIROS VARZIELAS, Ivo (University of Basel)

Session Classification: Morning Session II - M. Tanimoto

Contribution ID: 19

Type: **not specified**

Lepton Number Violation in neutrinoless double beta decay and at LHC

Wednesday, 18 June 2014 08:55 (25 minutes)

Primary author: Dr DEPPISCH, Frank (University College London (UK))

Presenter: Dr DEPPISCH, Frank (University College London (UK))

Session Classification: Morning Session I - Chair: E. Nardi

Contribution ID: 20

Type: **not specified**

Lepton mixing from generalized CP and Delta(96) family symmetry

Thursday, 19 June 2014 11:55 (25 minutes)

Primary author: Dr DING, Gui-Jun (USTC)

Presenter: Dr DING, Gui-Jun (USTC)

Session Classification: Morning Session II - M. Tanimoto

Contribution ID: 21

Type: **not specified**

Gauge anomaly-free U(1) and seesaw models

Friday, 20 June 2014 09:45 (25 minutes)

Primary author: Dr EMMANUEL-COSTA, David (CFTP, IST, University of Lisbon)

Presenter: Dr EMMANUEL-COSTA, David (CFTP, IST, University of Lisbon)

Session Classification: Morning Session I - Chair: M. Mondragon

Contribution ID: 22

Type: **not specified**

Theory Perspective on Flavour

Tuesday, 17 June 2014 08:35 (30 minutes)

Primary author: FERUGLIO, Ferruccio (Dipartimento di Fisica Galileo Galilei)

Presenter: FERUGLIO, Ferruccio (Dipartimento di Fisica Galileo Galilei)

Session Classification: Morning Session I - Chair: S. Jaeger

Contribution ID: 23

Type: **not specified**

K physics theory

Primary author: GORBAHN, Martin (Liverpool University)

Presenter: GORBAHN, Martin (Liverpool University)

Contribution ID: 24

Type: **not specified**

B->K*II: Theory, QCD and new physics

Thursday, 19 June 2014 08:30 (25 minutes)

Presenter: Dr MARTIN CAMALICH, Jorge

Session Classification: Morning Session I - Chair: P. Ko

Contribution ID: 25

Type: **not specified**

Hunting New Physics with Leptons

Saturday, 21 June 2014 08:30 (25 minutes)

Primary author: PARADISI, Paride (CERN)

Presenter: PARADISI, Paride (CERN)

Session Classification: Morning Session I - Chair: J. Rohrwild

Contribution ID: 26

Type: **not specified**

LFV at the crossroad of GUTs and neutrino masses

Primary author: MASIERO, Antonio (INFN)

Presenter: MASIERO, Antonio (INFN)

Contribution ID: 27

Type: **not specified**

Non-resonant B->K pi ll

Thursday, 19 June 2014 08:55 (25 minutes)

Primary author: HILLER, Gudrun (Technische Universitaet Dortmund (DE))

Presenter: HILLER, Gudrun (Technische Universitaet Dortmund (DE))

Session Classification: Morning Session I - Chair: P. Ko

Contribution ID: 28

Type: **not specified**

Flavour symmetry in charm decays

Friday, 20 June 2014 11:50 (25 minutes)

Presenter: Dr STEFAN, Schacht

Session Classification: Morning Session II - Chair: Q. Shafi

Contribution ID: 29

Type: **not specified**

Lambda_b -> Lambda l l

Friday, 20 June 2014 14:35 (25 minutes)

Presenter: Dr VAN DYK, Danny

Session Classification: Afternoon Session I - Chair: G. Hiller

Contribution ID: **30**

Type: **not specified**

Resonances gone topsy turvy in b->s I I

Friday, 20 June 2014 14:10 (25 minutes)

Presenter: Dr ZWICKY, Roman

Session Classification: Afternoon Session I - Chair: G. Hiller

Contribution ID: 32

Type: **not specified**

Stealthy new strong interactions

Saturday, 21 June 2014 09:20 (25 minutes)

Presenter: Dr STAMOU, Emmanuel

Session Classification: Morning Session I - Chair: J. Rohrwild

Contribution ID: 33

Type: **not specified**

New Perspectives to Probe New Physics with $B^0_s \rightarrow \mu^+ \mu^-$

Thursday, 19 June 2014 09:20 (25 minutes)

Presenter: Prof. FLEISCHER, Robert

Session Classification: Morning Session I - Chair: P. Ko

Contribution ID: 34

Type: **not specified**

Squark flavour mixing in B decays

Saturday, 21 June 2014 09:45 (25 minutes)

Presenter: Dr YAMAMOTO, Kei

Session Classification: Morning Session I - Chair: J. Rohrwild

Contribution ID: 35

Type: **not specified**

Muon (g-2) and the Goldstone Boson Higgs

Friday, 20 June 2014 10:40 (25 minutes)

Presenter: Dr REDI, Michele

Session Classification: Morning Session II - Chair: Q. Shafi

Contribution ID: **36**

Type: **not specified**

B-mixing

Friday, 20 June 2014 13:45 (25 minutes)

Presenter: Mr LENZ, Alexander

Session Classification: Afternoon Session I - Chair: G. Hiller

Contribution ID: 37

Type: **not specified**

Latest results and prospects from LHCb

Thursday, 19 June 2014 09:45 (25 minutes)

Presenter: SPRADLIN, Patrick (University of Glasgow (GB))

Session Classification: Morning Session I - Chair: P. Ko

Contribution ID: **38**

Type: **not specified**

CPT and Lorentz symmetry tests with entangled neutral kaons at KLOE/KLOE-2

Friday, 20 June 2014 15:00 (25 minutes)

Presenter: Dr CZERWIŃSKI, Eryk

Session Classification: Afternoon Session I - Chair: G. Hiller

Contribution ID: 39

Type: **not specified**

Neutrinoless Double Beta Decay Experiment

Wednesday, 18 June 2014 09:45 (25 minutes)

Presenter: HARTNELL, Jeff (University of Sussex)

Session Classification: Morning Session I - Chair: E. Nardi

Contribution ID: 40

Type: **not specified**

Results and prospects from MEG

Wednesday, 18 June 2014 11:25 (25 minutes)

Presenter: VOENA, Cecilia (Universita e INFN, Roma I (IT))

Session Classification: Morning Session II - Chair: S. Morisi

Contribution ID: 41

Type: **not specified**

Using neutrino mass sum rules to realistically probe flavour models

Friday, 20 June 2014 09:20 (25 minutes)

Presenter: Dr MERLE, Alexander

Session Classification: Morning Session I - Chair: M. Mondragon

Contribution ID: 43

Type: **not specified**

Towards a common origin of neutrino and dark matter

Tuesday, 17 June 2014 13:30 (25 minutes)

Presenter: Dr MORISI, Stefano

Session Classification: Afternoon Session I - Chair: F. Feruglio

Contribution ID: 44

Type: **not specified**

Neutrino mass textures

Friday, 20 June 2014 08:55 (25 minutes)

Presenter: Dr TANIMOTO, Morimitsu

Session Classification: Morning Session I - Chair: M. Mondragon

Contribution ID: 45

Type: **not specified**

Symmetries in multi-Higgs models and their quark sector consequences

Tuesday, 17 June 2014 11:15 (25 minutes)

Presenter: Dr IVANOV, Igor

Session Classification: Morning Session II - Chair: R. Fleischer

Contribution ID: 46

Type: **not specified**

Yukawa Coupling Ratios in SU(5) GUTs

Tuesday, 17 June 2014 16:30 (25 minutes)

Presenter: Dr SPINRATH, Martin

Session Classification: Afternoon Session II - Chair: S. Huber

Contribution ID: 47

Type: **not specified**

Multi-Higgs models with Abelian symmetries

Tuesday, 17 June 2014 11:40 (25 minutes)

Presenter: Dr SERODIO, Hugo

Session Classification: Morning Session II - Chair: R. Fleischer

Contribution ID: 49

Type: **not specified**

Fermion flavour in multi-Higgs models

Tuesday, 17 June 2014 10:50 (25 minutes)

Primary author: MONDRAGON, Myriam (Unknown)

Presenter: MONDRAGON, Myriam (Unknown)

Session Classification: Morning Session II - Chair: R. Fleischer

Contribution ID: 50

Type: **not specified**

Residual discrete symmetries in Froggatt Nielsen models

Saturday, 21 June 2014 10:40 (25 minutes)

Primary author: LUHN, Christoph (University of Siegen)

Presenter: LUHN, Christoph (University of Siegen)

Session Classification: Morning Session II - Chair: S. King

Contribution ID: 51

Type: **not specified**

Flavour violation in SUSY seesaw models at colliders

Wednesday, 18 June 2014 11:00 (25 minutes)

Presenter: Prof. ROMÃO, Jorge

Session Classification: Morning Session II - Chair: S. Morisi

Contribution ID: 52

Type: **not specified**

Abelian Higgs models

Saturday, 21 June 2014 11:05 (25 minutes)

Presenter: MALINSKY, Michal

Session Classification: Morning Session II - Chair: S. King

Contribution ID: 53

Type: **not specified**

U(1)' for neutrino mass, dark matter, stability of the electroweak scale

Tuesday, 17 June 2014 14:45 (25 minutes)

Primary author: WATANABE, Atsushi (Japan/Niigata Univ.)

Presenter: WATANABE, Atsushi (Japan/Niigata Univ.)

Session Classification: Afternoon Session I - Chair: F. Feruglio

Contribution ID: 54

Type: **not specified**

Flavoured Dark Matter

Tuesday, 17 June 2014 15:40 (25 minutes)

Primary author: PEINADO, Eduardo (INFN - Laboratori Nazionali di Frascati)

Presenter: PEINADO, Eduardo (INFN - Laboratori Nazionali di Frascati)

Session Classification: Afternoon Session II - Chair: S. Huber

Contribution ID: 57

Type: **not specified**

Neutrino Masses and Conformal Electro-Weak Symmetry Breaking

Friday, 20 June 2014 08:30 (25 minutes)

Presenter: Prof. LINDNER, Manfred

Session Classification: Morning Session I - Chair: M. Mondragon

Contribution ID: 58

Type: **not specified**

Yukawa Unification, Flavour Symmetry & SUSY GUTs

Tuesday, 17 June 2014 09:05 (25 minutes)

Primary author: Prof. SHAFI, qaisar (university of delaware)

Presenter: Prof. SHAFI, qaisar (university of delaware)

Session Classification: Morning Session I - Chair: S. Jaeger

Contribution ID: 59

Type: **not specified**

Quark Yukawa pattern from spontaneous breaking of flavour $SU(3)^3$

Tuesday, 17 June 2014 09:30 (25 minutes)

Primary author: NARDI, Enrico (INFN)

Presenter: NARDI, Enrico (INFN)

Session Classification: Morning Session I - Chair: S. Jaeger

Contribution ID: **60**

Type: **not specified**

Scale invariant extension of the standard model and Nambu-Goldstone dark matter

Friday, 20 June 2014 11:05 (25 minutes)

Presenter: Mr KUBO, Jisuke

Session Classification: Morning Session II - Chair: Q. Shafi

Contribution ID: **61**

Type: **not specified**

Results and prospects from T2K

Thursday, 19 June 2014 10:40 (25 minutes)

Primary author: Dr WEBER, Alfons (STFC/RAL)

Presenter: Dr WEBER, Alfons (STFC/RAL)

Session Classification: Morning Session II - M. Tanimoto

Contribution ID: **62**

Type: **not specified**

125-126 GeV Higgs mass and scalar dark matter

Tuesday, 17 June 2014 16:05 (25 minutes)

Presenter: Prof. HABA, Naoyuki

Session Classification: Afternoon Session II - Chair: S. Huber

Contribution ID: 63

Type: **not specified**

Inert 2HDM with local $U(1)_H$ gauge symmetry and related issues

Tuesday, 17 June 2014 09:55 (25 minutes)

Primary author: Prof. KO, pyungwon (Korea Inst. for Advanced Study (KIAS))

Presenter: Prof. KO, pyungwon (Korea Inst. for Advanced Study (KIAS))

Session Classification: Morning Session I - Chair: S. Jaeger

Contribution ID: 64

Type: **not specified**

Systematic studies of texture zeros in lepton mass matrices

Friday, 20 June 2014 15:55 (20 minutes)

Primary author: LUDL, Patrick (University of Vienna)

Presenter: LUDL, Patrick (University of Vienna)

Session Classification: Afternoon Session II - Chair: A. Merle

Contribution ID: 65

Type: **not specified**

Lepton masses and mixing angles from point interaction

Friday, 20 June 2014 16:15 (20 minutes)

Primary author: FUJIMOTO, Yukihiro (Osaka university)

Presenter: FUJIMOTO, Yukihiro (Osaka university)

Session Classification: Afternoon Session II - Chair: A. Merle

Contribution ID: **66**

Type: **not specified**

The flavour symmetry $Q(6)$ in a $SU(5)$ GUT model

Wednesday, 18 June 2014 17:25 (20 minutes)

Presenter: Dr GONZALEZ-CANALES, Felix

Session Classification: Afternoon Session III - Chair: M. Aoki

Contribution ID: **67**

Type: **not specified**

TBA

Primary author: GRANGER, Andrew (S)

Presenter: GRANGER, Andrew (S)

Contribution ID: **68**

Type: **not specified**

Right-handed sneutrino-antisneutrino oscillation in TeV scale BLSSM

Wednesday, 18 June 2014 11:50 (20 minutes)

Presenter: Prof. KHALIL, Shaaban

Session Classification: Morning Session II - Chair: S. Morisi

Contribution ID: 69

Type: **not specified**

Towards predictive flavour models in SUSY SU(5) GUTs with doublet-triplet splitting

Wednesday, 18 June 2014 14:40 (20 minutes)

Presenter: Mr MAURER, Vinzenz

Session Classification: Afternoon Session IB - Chair: M. Spinrath

Contribution ID: 70

Type: **not specified**

Oscillations of Pseudo-Dirac Neutrinos and Supernovae

Friday, 20 June 2014 17:15 (20 minutes)

Presenter: Dr MOUMNI, Mustafa

Session Classification: Afternoon Session II - Chair: A. Merle

Contribution ID: 71

Type: **not specified**

Sizable D-term contribution as a signature of $E_6 \times SU(2)_F \times U(1)_A$ SUSY GUT model

Wednesday, 18 June 2014 17:45 (20 minutes)

Primary author: MURAMATSU, Yu (Nagoya university)

Presenter: MURAMATSU, Yu (Nagoya university)

Session Classification: Afternoon Session III - Chair: M. Aoki

Contribution ID: 72

Type: **not specified**

Non-diagonal charged lepton mass matrix and non-zero theta_13

Friday, 20 June 2014 16:35 (20 minutes)

Presenter: Ms ROJAS, Alma

Session Classification: Afternoon Session II - Chair: A. Merle

Contribution ID: 73

Type: **not specified**

Large lepton mixing originating from the right-handed sector

Wednesday, 18 June 2014 14:20 (20 minutes)

Presenter: Mr SCHUMACHER, Erik

Session Classification: Afternoon Session IA - Chair: J. Martin Camalich

Contribution ID: 75

Type: **not specified**

Non-zero Theta_13 and Leptogenesis with A_4 symmetry

Friday, 20 June 2014 16:55 (20 minutes)

Presenter: Dr SIL, Arunansu

Session Classification: Afternoon Session II - Chair: A. Merle

Contribution ID: 76

Type: **not specified**

Radiative generation of quark masses and mixing angles in the 2HDM

Wednesday, 18 June 2014 13:40 (20 minutes)

Presenter: SOLAGUREN-BEASCOA, Ana

Session Classification: Afternoon Session IA - Chair: J. Martin Camalich

Contribution ID: 77

Type: **not specified**

Higgs inflation with singlet scalar dark matter and right-handed neutrino in the light of BICEP2

Friday, 20 June 2014 11:30 (20 minutes)

Presenter: Dr TAKAHASHI, Ryo

Session Classification: Morning Session II - Chair: Q. Shafi

Contribution ID: 78

Type: **not specified**

CP Violation from Discrete (Flavor) Symmetries

Wednesday, 18 June 2014 14:20 (20 minutes)

Primary author: TRAUTNER, Andreas (TU Muenchen)

Presenter: TRAUTNER, Andreas (TU Muenchen)

Session Classification: Afternoon Session IB - Chair: M. Spinrath

Contribution ID: **80**

Type: **not specified**

FlavorKit: flavor physics beyond the standard model

Wednesday, 18 June 2014 15:55 (20 minutes)

Primary author: VICENTE MONTESINOS, Avelino (Université de Liège)

Presenter: VICENTE MONTESINOS, Avelino (Université de Liège)

Session Classification: Afternoon Session II - Chair: A. Belyaev

Contribution ID: **81**

Type: **not specified**

Testing Flavor Symmetries with Flavored Gauge Mediation

Wednesday, 18 June 2014 17:05 (20 minutes)

Primary author: ZIEGLER, Robert

Presenter: ZIEGLER, Robert

Session Classification: Afternoon Session III - Chair: M. Aoki

Contribution ID: 82

Type: **not specified**

Lepton Mixing Predictions from $\Delta(6n^2)$ groups and Generalised CP

Wednesday, 18 June 2014 14:00 (20 minutes)

Presenter: Mr NEDER, Thomas

Session Classification: Afternoon Session IA - Chair: J. Martin Camalich

Contribution ID: **83**

Type: **not specified**

Leptonic dipole operators in the RS model

Wednesday, 18 June 2014 16:15 (20 minutes)

Primary author: ROHRWILD, Juergen (University of Oxford)

Presenter: ROHRWILD, Juergen (University of Oxford)

Session Classification: Afternoon Session II - Chair: A. Belyaev

Contribution ID: **84**

Type: **not specified**

Origin of Neutrino Mass and the LHC

Wednesday, 18 June 2014 10:40 (20 minutes)

Primary author: SCHMIDT, Michael (The University of Melbourne)

Presenter: SCHMIDT, Michael (The University of Melbourne)

Session Classification: Morning Session II - Chair: S. Morisi

Contribution ID: 85

Type: **not specified**

Dark matter experiment

Tuesday, 17 June 2014 13:55 (25 minutes)

Presenter: Prof. MONROE, Jocelyn

Session Classification: Afternoon Session I - Chair: F. Feruglio

Contribution ID: **86**

Type: **not specified**

Recent results at the B Factories

Contribution ID: 87

Type: **not specified**

Radiative neutrino masses and neutrinoless double beta decay

Wednesday, 18 June 2014 09:20 (25 minutes)

Primary author: Dr NO, Jose Miguel (University of Sussex)

Presenter: Dr NO, Jose Miguel (University of Sussex)

Session Classification: Morning Session I - Chair: E. Nardi

Contribution ID: **89**

Type: **not specified**

CP in Models with Discrete Flavour Symmetries

Thursday, 19 June 2014 11:30 (25 minutes)

Primary author: HOLTHAUSEN, Martin (MPIK Heidelberg)

Presenter: HOLTHAUSEN, Martin (MPIK Heidelberg)

Session Classification: Morning Session II - M. Tanimoto

Contribution ID: 91

Type: **not specified**

Neutrinoless double beta decay

Wednesday, 18 June 2014 08:30 (25 minutes)

Primary author: RODEJOHANN, Werner (MPIK, Heidelberg)

Presenter: RODEJOHANN, Werner (MPIK, Heidelberg)

Session Classification: Morning Session I - Chair: E. Nardi

Contribution ID: 92

Type: **not specified**

Welcome to FLASY 2014

Tuesday, 17 June 2014 08:30 (5 minutes)

Presenter: JAEGER, Sebastian (University of Sussex (GB))

Session Classification: Morning Session I - Chair: S. Jaeger

Contribution ID: 93

Type: **not specified**

Closing

Saturday, 21 June 2014 12:25 (5 minutes)

Session Classification: Morning Session II - Chair: S. King

Contribution ID: 94

Type: **not specified**

Flasy 2015

Saturday, 21 June 2014 12:15 (10 minutes)

Session Classification: Morning Session II - Chair: S. King

Contribution ID: 95

Type: **not specified**

Accurate renormalization group analyses in the neutrino sector

Wednesday, 18 June 2014 14:00 (20 minutes)

Presenter: Dr YAMAGUCHI, Yuya

Session Classification: Afternoon Session IB - Chair: M. Spinrath

Contribution ID: **96**

Type: **not specified**

Extra time

Wednesday, 18 June 2014 14:40 (20 minutes)

Session Classification: Afternoon Session IA - Chair: J. Martin Camalich