

# **Interplay of Collider and Flavour Physics, 2nd general meeting**

## **Report of Contributions**

Contribution ID: 4

Type: **not specified**

## Discussion

*Monday, 16 March 2009 11:35 (20 minutes)*

**Presenter:** ISIDORI, Gino (Frascati)

**Session Classification:** MFV, NMFV and SUSY

Contribution ID: 5

Type: **not specified**

## **Model-independent constraints on new physics in MFV models**

*Monday, 16 March 2009 09:00 (20 minutes)*

**Presenter:** MESCIA, Federico (Barcelona)

**Session Classification:** MFV, NMFV and SUSY

Contribution ID: 6

Type: **not specified**

## **Low Energy Probes of CP Violation in a Flavor Blind MSSM.**

*Wednesday, 18 March 2009 14:50 (20 minutes)*

**Presenter:** PARADISI, Paride (Munich)

**Session Classification:** Topical SUSY

Contribution ID: 7

Type: **not specified**

# **SUSY GUTs with Yukawa unification: the role of FCNCs**

*Wednesday, 18 March 2009 14:25 (20 minutes)*

**Presenter:** Dr GUADAGNOLI, Diego (Munich)

**Session Classification:** Topical SUSY

Contribution ID: 8

Type: **not specified**

# Trilinear SUSY-breaking terms as the origin of flavour

*Monday, 16 March 2009 09:50 (20 minutes)*

**Presenter:** NIERSTE, Ulrich (Karlsruhe)

**Session Classification:** MFV, NMFV and SUSY

Contribution ID: 9

Type: **not specified**

## **Trilinear SUSY-breaking terms as the origin of flavour**

Contribution ID: **10**

Type: **not specified**

# Flavor Changing Processes in Supersymmetric Models with Hybrid Gauge- and Gravity-Mediation

*Monday, 16 March 2009 10:45 (20 minutes)*

**Presenter:** HILLER, Gudrun (Dortmund)

**Session Classification:** MFV, NMFV and SUSY



Contribution ID: **11**

Type: **not specified**

# Flavour Violation in Anomaly Mediated Supersymmetry Breaking

*Monday, 16 March 2009 11:10 (20 minutes)*

**Presenter:** JONES, Tim (Liverpool)

**Session Classification:** MFV, NMFV and SUSY

Contribution ID: 12

Type: **not specified**

## Hierarchical Soft Terms and Flavor Physics

*Monday, 16 March 2009 09:25 (20 minutes)*

**Presenter:** ROMANINO, Andrea (Trieste)

**Session Classification:** MFV, NMFV and SUSY

Contribution ID: 13

Type: **not specified**

## Flavorful Supersymmetry

*Wednesday, 18 March 2009 14:00 (20 minutes)*

**Presenter:** STOLARSKI, Daniel (Berkeley)

**Session Classification:** Topical SUSY

Contribution ID: **14**

Type: **not specified**

## Flavour in Extra Dimensions

*Monday, 16 March 2009 13:30 (20 minutes)*

**Presenter:** PEREZ, Gilad (Stony Brook)

**Session Classification:** Model building: extra dimensions, little Higgs, etc

Contribution ID: 15

Type: **not specified**

## Patterns of Flavour Violation in a RS Model with Custodial Protection

*Monday, 16 March 2009 13:53 (20 minutes)*

**Presenter:** BURAS, Andrzej (Munich)

**Session Classification:** Model building: extra dimensions, little Higgs, etc

Contribution ID: **16**

Type: **not specified**

## **The flavor problem of RS and the composite Higgs**

*Monday, 16 March 2009 14:16 (20 minutes)*

**Presenter:** WEILER, Andreas (CERN)

**Session Classification:** Model building: extra dimensions, little Higgs, etc

Contribution ID: 17

Type: **not specified**

**tba**

**Presenter:** FALKOWSKI, Adam (Unknown)

Contribution ID: **18**

Type: **not specified**

**Discussion**



Contribution ID: **19**

Type: **not specified**

## **Flavour in the Littlest Higgs Model with T-Parity**

*Monday, 16 March 2009 16:15 (25 minutes)*

**Presenter:** BLANKE, Monika (Munich)

**Session Classification:** Model building: extra dimensions, little Higgs, etc

Contribution ID: 20

Type: **not specified**

## Flavor changing amplitudes in the littlest Higgs model with T-parity

*Monday, 16 March 2009 16:45 (20 minutes)*

**Presenter:** OKADA, Yasuhiro (KEK)

**Session Classification:** Model building: extra dimensions, little Higgs, etc

Contribution ID: 21

Type: **not specified**

## Heavy Quarks Above the Top

*Monday, 16 March 2009 15:02 (20 minutes)*

**Presenter:** SANTIAGO, Jose (Zurich)

**Session Classification:** Model building: extra dimensions, little Higgs, etc

Contribution ID: 22

Type: **not specified**

## Flavourful New Physics in ATLAS+CMS

*Monday, 16 March 2009 18:15 (30 minutes)*

**Presenter:** DE ROECK, Albert (CERN)

Contribution ID: 23

Type: **not specified**

## News from the Tevatron

*Tuesday, 17 March 2009 09:00 (25 minutes)*

**Presenter:** KREPS, Michal (Karlsruhe)

**Session Classification:** News from experiments

Contribution ID: 24

Type: **not specified**

## Latest analyses of BABAR and BELLE

*Tuesday, 17 March 2009 09:30 (25 minutes)*

**Presenter:** EMERY, Sandrine (Saclay)

**Session Classification:** News from experiments

Contribution ID: 25

Type: **not specified**

## Present design of SuperKEKb

*Tuesday, 17 March 2009 10:30 (25 minutes)*

**Presenter:** FUNAKOSHI, Yoshihiro (KEK)

**Session Classification:** News from experiments

Contribution ID: 26

Type: **not specified**

## Design of SuperB and update on Frascati tests

*Tuesday, 17 March 2009 11:00 (25 minutes)*

**Presenter:** RAIMONDI, Pantaleo (Frascati)

**Session Classification:** News from experiments



Contribution ID: 27

Type: **not specified**

## New analyses at LHCb

*Tuesday, 17 March 2009 11:30 (25 minutes)*

**Presenter:** Dr EGEDE, Ulrik (Imperial College)

**Session Classification:** News from experiments

Contribution ID: 28

Type: **not specified**

## Searches for new physics using heavy flavour in ATLAS

*Tuesday, 17 March 2009 12:00 (25 minutes)*

**Presenter:** Dr VOS, Marcel (IFIC Valencia)

**Session Classification:** News from experiments

Contribution ID: 29

Type: **not specified**

## MasterCode news

*Tuesday, 17 March 2009 14:00 (20 minutes)*

**Presenter:** HEINEMEYER, Sven (Santander)

**Session Classification:** Tools

Contribution ID: **30**

Type: **not specified**

## **FeynRules - an easy implementation of the NMFV MSSM in Monte Carlo generators**

*Tuesday, 17 March 2009 14:25 (20 minutes)*

**Presenter:** FUKS, Benjamin (Strasbourg)

**Session Classification:** Tools

Contribution ID: **31**

Type: **not specified**

## SuperIso

*Tuesday, 17 March 2009 14:50 (20 minutes)*

**Presenter:** MAHMOUDI, Nazila (Clermont-Ferrand)

**Session Classification:** Tools

Contribution ID: 32

Type: **not specified**

**Discussion**

Contribution ID: **33**

Type: **not specified**

## LFV Introduction

*Tuesday, 17 March 2009 16:30 (25 minutes)*

**Presenter:** LAVIGNAC, Stephane (Saclay)

**Session Classification:** Lepton flavour and lepton number

Contribution ID: 34

Type: **not specified**

## Theoretical aspects of LFV at the LHC

*Tuesday, 17 March 2009 17:05 (25 minutes)*

**Presenter:** SHADMI, Yael (Technion)

**Session Classification:** Lepton flavour and lepton number



Contribution ID: 35

Type: **not specified**

## **PAMELA, DM, and leptons**

*Tuesday, 17 March 2009 18:05 (20 minutes)*

**Presenter:** IBARRA, Alejandro (Munich)

**Session Classification:** Lepton flavour and lepton number

Contribution ID: 36

Type: **not specified**

## **Sparticle parameters from the LHC and their impact on LFV**

*Tuesday, 17 March 2009 17:40 (20 minutes)*

**Presenter:** SREETHAWONG, Warintorn (KEK)

**Session Classification:** Lepton flavour and lepton number

Contribution ID: 37

Type: **not specified**

## Discussion

*Tuesday, 17 March 2009 18:30 (20 minutes)*

**Presenters:** ROMANINO, Andrea; LAVIGNAC, Stephane

**Session Classification:** Lepton flavour and lepton number

Contribution ID: **38**

Type: **not specified**

**tba**

*Wednesday, 18 March 2009 09:00 (25 minutes)*

**Presenter:** DVALI, Georgi (CERN)

**Session Classification:** CP violation

Contribution ID: 39

Type: **not specified**

## Baryogenesis constraints on Seesaw at LHC

*Wednesday, 18 March 2009 09:30 (25 minutes)*

**Presenter:** MOHAPATRA, Rabindra Nath (Maryland)

**Session Classification:** CP violation

Contribution ID: 40

Type: **not specified**

## **Detection of heavy neutrinos and right-handed bosons of the left-right symmetric model in the CMS detector at the LHC**

*Wednesday, 18 March 2009 10:00 (20 minutes)*

**Presenter:** KIRSANOV, Mikhail (INR Moscow)

**Session Classification:** CP violation

Contribution ID: 41

Type: **not specified**

## **Clues from CP Studies for sub-TeV scale New Physics at the LHC**

*Wednesday, 18 March 2009 10:53 (20 minutes)*

**Presenter:** SONI, Amarjit (Brookhaven)

**Session Classification:** CP violation

Contribution ID: 42

Type: **not specified**

## EDM constraints on flavored CP-violating phases

*Wednesday, 18 March 2009 11:16 (20 minutes)*

**Presenter:** SMITH, Christopher (Karlsruhe)

**Session Classification:** CP violation



Contribution ID: 43

Type: **not specified**

## **CP violation from Higgs-dependent Yukawa couplings**

*Wednesday, 18 March 2009 11:39 (20 minutes)*

**Presenter:** LEBEDEV, Oleg (DESY)

**Session Classification:** CP violation

Contribution ID: 44

Type: **not specified**

# Discussion

Contribution ID: 45

Type: **not specified**

## **New physics interpretations of a large phase in $B_s$ mixing**

**Presenter:** SILVESTRINI, Luca (Rome)

Contribution ID: 46

Type: **not specified**

## General discussion

*Wednesday, 18 March 2009 15:40 (40 minutes)*

**Presenters:** HURTH, Tobias (CERN); NIR, Yosef

Contribution ID: 47

Type: **not specified**

**Discussion**

Contribution ID: 48

Type: **not specified**

## Discussion

*Monday, 16 March 2009 17:54 (20 minutes)*

**Presenter:** GROJEAN, Christophe (CERN-PH-TH)

**Session Classification:** Model building: extra dimensions, little Higgs, etc

Contribution ID: 49

Type: **not specified**

## Flavor and Composite Higgs

*Monday, 16 March 2009 14:39 (20 minutes)*

**Presenter:** FALKOWSKI, Adam

**Session Classification:** Model building: extra dimensions, little Higgs, etc

Contribution ID: 50

Type: **not specified**

## Conformal neutrinos

*Monday, 16 March 2009 17:31 (20 minutes)*

**Presenter:** GERSDORFF, Gero (CERN)

**Session Classification:** Model building: extra dimensions, little Higgs, etc



Contribution ID: 51

Type: **not specified**

## Discussion

*Monday, 16 March 2009 15:25 (20 minutes)*

**Presenter:** GROJEAN, Christophe (CERN-PH-TH)

**Session Classification:** Model building: extra dimensions, little Higgs, etc

Contribution ID: 52

Type: **not specified**

## 2HDMC: Two-Higgs-Doublet Model Calculator

*Tuesday, 17 March 2009 15:15 (20 minutes)*

**Presenter:** STAL, Oscar

**Session Classification:** Tools

Contribution ID: 54

Type: **not specified**

## **The new physics and (hopefully) standard model flavor puzzles at ATLAS/CMS**

*Wednesday, 18 March 2009 15:15 (20 minutes)*

**Presenter:** NIR, Yosef (Weizmann Inst.)

**Session Classification:** Topical SUSY

Contribution ID: 55

Type: **not specified**

## **The new physics and (hopefully) standard model flavor puzzles at LHC**

Contribution ID: 56

Type: **not specified**

## Discussion

*Tuesday, 17 March 2009 15:40 (20 minutes)*

**Session Classification:** Tools

Contribution ID: 57

Type: **not specified**

## Experimental aspects of LFV at the LHC

Contribution ID: 58

Type: **not specified**

## Probing leptonic CP at LHC

*Wednesday, 18 March 2009 12:02 (20 minutes)*

**Presenter:** BAJC, Borut (IJS Ljubljana)

**Session Classification:** CP violation

Contribution ID: 59

Type: **not specified**

# Top Quark Compositeness: Feasibility and Implications

*Monday, 16 March 2009 17:08 (20 minutes)*

**Presenter:** SERRA, Javi (Barcelona)

**Session Classification:** Model building: extra dimensions, little Higgs, etc



Contribution ID: **60**

Type: **not specified**

## Discussion

*Wednesday, 18 March 2009 12:22 (10 minutes)*

**Presenter:** OKADA, Yasuhiro (KEK)

**Session Classification:** CP violation