

SuperB Physics Workshop

Report of Contributions

Contribution ID: 0

Type: **not specified**

Introduction

Monday, 30 November 2009 09:30 (30 minutes)

Session Classification: Plenary (Introduction to the SuperB Physics Workshop) I

Contribution ID: **1**

Type: **not specified**

Aim of this Workshop

Monday, 30 November 2009 10:00 (15 minutes)

Session Classification: Plenary (Introduction to the SuperB Physics Workshop) I

Contribution ID: 2

Type: **not specified**

Summary of the Physics Worskhop

Friday, 4 December 2009 14:30 (40 minutes)

Session Classification: Plenary (common to SuperB Coll. meeting)

Contribution ID: 3

Type: **not specified**

Review on Dark Forces - Role of KLOE II and SuperB

Monday, 30 November 2009 10:15 (30 minutes)

Presenter: BOSSI, Fabio (LNF)

Session Classification: Plenary (Introduction to the SuperB Physics Workshop) I

Contribution ID: 4

Type: **not specified**

Lattice QCD in the SuperB era

Tuesday, 1 December 2009 11:15 (40 minutes)

Presenter: VITTORIO LUBICZ (ROMA III)

Session Classification: Plenary (common to SuperB Coll. meeting)

Contribution ID: 5

Type: **not specified**

Y(nS) to invisible potentialities at SuperB

Monday, 30 November 2009 16:30 (20 minutes)

Presenter: Dr SEKULA, Stephen (The Ohio State University)

Session Classification: Parallel II - Spectroscopy

Contribution ID: 6

Type: **not specified**

Dark Forces searches at SuperB

Monday, 30 November 2009 16:50 (20 minutes)

Presenter: GRAHAM, Matt

Session Classification: Parallel II - Spectroscopy

Contribution ID: 7

Type: **not specified**

Status of simulations

Wednesday, 2 December 2009 17:10 (20 minutes)

Presenter: SANTORO, Valentina (INFN Ferrara)

Session Classification: Parallel VI - Spectroscopy

Contribution ID: 8

Type: **not specified**

potentialities of a SuperB energy scan

Monday, 30 November 2009 17:30 (20 minutes)

Presenter: RENGÀ, Francesco (RM1)

Session Classification: Parallel II - Spectroscopy

Contribution ID: 9

Type: **not specified**

Overview of theory requirements to experiments on new spectroscopy

Wednesday, 2 December 2009 17:30 (20 minutes)

Presenter: PICCININI, Fulvio (PV)

Session Classification: Parallel VI - Spectroscopy

Contribution ID: **10**

Type: **not specified**

Electromagnetic corrections in bsll and comparsion with experiment

Thursday, 3 December 2009 09:00 (30 minutes)

Presenter: LUNGHI, Enrico (Indiana University)

Session Classification: Parallel VII - WG II

Contribution ID: **11**

Type: **not specified**

Spectroscopy SuperB potentialities in view of recent BF experience

Wednesday, 2 December 2009 16:30 (20 minutes)

Presenter: PATRIGNANI, Claudia (GE)

Session Classification: Parallel VI - Spectroscopy

Contribution ID: **12**

Type: **not specified**

ideas on superB potentialities

Wednesday, 2 December 2009 16:50 (20 minutes)

Presenter: MUSSA, Roberto (TO)

Session Classification: Parallel VI - Spectroscopy

Contribution ID: 13

Type: **not specified**

Rare decay modes $b \rightarrow d \gamma$ and $b \rightarrow d l l$

Thursday, 3 December 2009 09:30 (15 minutes)

Presenter: Dr HUBER, Tobias (Uni Siegen)

Session Classification: Parallel VII - WG II

Contribution ID: 14

Type: **not specified**

Constraints and experimental prospects on the charged Higgs boson in the MSSM

Tuesday, 1 December 2009 16:30 (30 minutes)

Presenter: Mr STÅL, Oscar (Uppsala University)

Session Classification: Parallel IV - WG II

Contribution ID: 15

Type: **not specified**

Rare decays in flavour models

Tuesday, 1 December 2009 17:00 (30 minutes)

Presenter: STRAUB, David (Technische Universität München)

Session Classification: Parallel IV - WG II

Contribution ID: **16**

Type: **not specified**

Resummation of tan-beta-enhanced susy loop corrections in rare decays

Tuesday, 1 December 2009 17:30 (30 minutes)

Presenter: Mr HOFER, Lars (Karlsruhe Institute of Technology)

Session Classification: Parallel IV - WG II

Contribution ID: 17

Type: **not specified**

Experimental status of $B \rightarrow K \nu \nu$

Tuesday, 1 December 2009 18:30 (30 minutes)

Presenters: PEREZ, Alejandro (LAL); MANONI, Elisa (PG)

Session Classification: Parallel IV - WG II

Contribution ID: **18**

Type: **not specified**

Effects of right-handed currents on the determinations of V_{ub} and V_{cb}

Tuesday, 1 December 2009 18:00 (30 minutes)

Presenter: CRIVELLIN, Andreas (TTP Karlsruhe)

Session Classification: Parallel IV - WG II

Contribution ID: 21

Type: **not specified**

Discussion on CP violation in Hadronic tau decays

Wednesday, 2 December 2009 15:00 (30 minutes)

Presenter: OSCAR VIVES

Session Classification: Parallel V - TAU

Contribution ID: 22

Type: **not specified**

How SuperB can probe R -parity violation through τ and B meson decays

Wednesday, 2 December 2009 14:30 (30 minutes)

Presenter: BEN O'LEARY

Session Classification: Parallel V - TAU

Contribution ID: 23

Type: **not specified**

Theory Predictions for the CP Asymmetry in the golden modes

Monday, 30 November 2009 16:30 (30 minutes)

Presenter: Dr JUNG, Martin (Instituto de Física Corpuscular (IFIC), Valencia)

Session Classification: Parallel II - WG I

Contribution ID: 24

Type: **not specified**

B->phiK0

Monday, 30 November 2009 17:00 (20 minutes)

Presenter: Dr NERI, Nicola (Universita' di Pisa & INFN)

Session Classification: Parallel II - WG I

Contribution ID: 25

Type: **not specified**

White Paper Discussion

Monday, 30 November 2009 17:20 (30 minutes)

Presenters: Dr BEVAN, Adrian (Queen Mary); Dr CHENG, Chih-hsiang (Caltech); Dr MANNEL, Thomas (Siegen University)

Session Classification: Parallel II - WG I

Contribution ID: 26

Type: **not specified**

Recent theory results on the CP violation in $B \rightarrow \pi \pi$

Tuesday, 1 December 2009 14:30 (30 minutes)

Presenter: Dr HUBER, Tobias (Uni Siegen)

Session Classification: Parallel III - WG I

Contribution ID: 27

Type: **not specified**

SCET sum rules for B to P and B to V transition form factors

Thursday, 3 December 2009 09:45 (30 minutes)

Presenter: DE FAZIO, Fulvia (BA)

Session Classification: Parallel VII - WG II

Contribution ID: 28

Type: **not specified**

Measuring alpha using $B \rightarrow a1\pi$ and $K1\pi$ decays

Tuesday, 1 December 2009 15:00 (30 minutes)

Presenter: STRACKA, Simone (MI)

Session Classification: Parallel III - WG I

Contribution ID: **30**

Type: **not specified**

Flavour Physics in the LHT and RS models

Presenter: Mr DULING, Björn (Technische Universität München)

Contribution ID: 31

Type: **not specified**

Charged Higgs effects in $B \rightarrow D \tau \nu$

Presenter: Dr WESTHOFF, Susanne (THEP Mainz)

Contribution ID: 33

Type: **not specified**

Flavour Structures of SUSY models

Thursday, 3 December 2009 11:15 (45 minutes)

Presenter: Dr GOTO, Toru (KEK)

Session Classification: Parallel VIII - WGA

Contribution ID: 34

Type: **not specified**

Improved prediction for $B \rightarrow \tau \nu$ from the UTA

Thursday, 3 December 2009 12:00 (30 minutes)

Presenter: CIUCHINI, Marco (INFN Roma Tre)

Session Classification: Parallel VIII - WGA

Contribution ID: 35

Type: **not specified**

Introduction

Tuesday, 1 December 2009 15:00 (15 minutes)

Presenter: Dr KOU, Emi (LAL/IN2P3)

Session Classification: WGA: Benchmark Project

Contribution ID: **36**

Type: **not specified**

Discussion

Tuesday, 1 December 2009 15:15 (45 minutes)

Session Classification: WGA: Benchmark Project

Contribution ID: 37

Type: **not specified**

Search for tau LFV with polarized beams

Monday, 30 November 2009 14:30 (30 minutes)

Presenter: Mr CERVELLI, Alberto (infn Pisa)

Session Classification: Parallel I - TAU

Contribution ID: **38**

Type: **not specified**

Non-LFV Tau Physics with polarized beams

Wednesday, 2 December 2009 16:30 (30 minutes)

Presenter: Prof. RONEY, Michael (University of Victoria)

Session Classification: Parallel V bis - TAU

Contribution ID: 39

Type: **not specified**

MEG. First Results and Perspectives

Monday, 30 November 2009 11:15 (30 minutes)

Presenter: RENGÀ, Francesco (RM1)

Session Classification: Plenary (Introduction to the SuperB Physics Workshop) II

Contribution ID: 40

Type: **not specified**

Interplay of high-pt and flavour physics

Monday, 30 November 2009 11:45 (30 minutes)

Presenter: Mr HURTH, Tobias Hurth (CERN)

Session Classification: Plenary (Introduction to the SuperB Physics Workshop) II

Contribution ID: 41

Type: **not specified**

Flavour Physics in the LHT and RS models

Monday, 30 November 2009 14:30 (45 minutes)

Presenter: Mr DULING, Björn (Technische Universität München)

Session Classification: Parallel I - WGA

Contribution ID: 42

Type: **not specified**

Charged Higgs effects in $B \rightarrow D \tau \nu$

Monday, 30 November 2009 15:15 (30 minutes)

Presenter: Dr WESTHOFF, Susanne (THEP Mainz)

Session Classification: Parallel I - WGA

Contribution ID: 43

Type: **not specified**

Discussion

Monday, 30 November 2009 15:45 (15 minutes)

Session Classification: Parallel I - WGA

Contribution ID: 44

Type: **not specified**

Discussion on white paper

Thursday, 3 December 2009 10:15 (30 minutes)

Session Classification: Parallel VII - WG II

Contribution ID: 46

Type: **not specified**

White Paper Discussion

Monday, 30 November 2009 12:15 (20 minutes)

Session Classification: Plenary (Introduction to the SuperB Physics Workshop) II

Contribution ID: 47

Type: **not specified**

Discussion

Wednesday, 2 December 2009 11:15 (1h 45m)

Session Classification: WGA: Benchmarks