

# **SuperB Workshop VI**

## **Report of Contributions**

Contribution ID: 2

Type: **not specified**

## **B- $\rightarrow$ tau nu gamma (theory)**

*Tuesday, 8 January 2008 17:00 (45 minutes)*

**Presenter:** EMI KOU

**Session Classification:** Working Groups - B Physics

Contribution ID: 5

Type: **not specified**

## **b→ s gamma (experiment)**

*Thursday, 10 January 2008 09:00 (45 minutes)*

**Presenter:** JOHN WALSH

**Session Classification:** Working Groups - B Physics

Contribution ID: 6

Type: **not specified**

## **$b \rightarrow s \gamma$ and $b \rightarrow s l l$ (theory)**

*Thursday, 10 January 2008 09:45 (45 minutes)*

**Presenter:** TOBIAS HURTH

**Session Classification:** Working Groups - B Physics

Contribution ID: **8**

Type: **not specified**

## **Tools HEP/Flavour interplay**

*Wednesday, 9 January 2008 11:00 (45 minutes)*

**Presenter:** FREDERIC RONGA

**Session Classification:** Working Groups - B Physics

Contribution ID: 9

Type: **not specified**

## **SUSY breaking scenario**

*Wednesday, 9 January 2008 14:30 (45 minutes)*

**Presenter:** TETSUO SHINDOU

**Session Classification:** Working Group - B Physics

Contribution ID: **10**

Type: **not specified**

## **NP in the MMSM scenario (an update of CDR)**

*Wednesday, 9 January 2008 17:00 (45 minutes)*

**Presenter:** MARCO CIUCHINI + ACHILLE STOCCHI

**Session Classification:** Working Group - B Physics

Contribution ID: 11

Type: **not specified**

## **MFV + Snowmass point (working plans)**

*Wednesday, 9 January 2008 15:15 (45 minutes)*

**Presenter:** MARCO CIUCHINI + LUCA SILVESTRINI

**Session Classification:** Working Group - B Physics



Contribution ID: 12

Type: **not specified**

## **Impact of B physics on Next-Minimal-SUSY (NMSSM)**

*Thursday, 10 January 2008 11:00 (45 minutes)*

**Presenter:** FLORIAN DOMINGO

**Session Classification:** Working Group - B Physics

Contribution ID: 13

Type: **not specified**

## **Extra dimension and flavour physics**

*Thursday, 10 January 2008 14:30 (45 minutes)*

**Presenter:** EMI KOU

**Session Classification:** Working Group - B Physics

Contribution ID: 15

Type: **not specified**

## **B- $\rightarrow$ tau ( $\mu$ ) gamma**

*Tuesday, 8 January 2008 17:45 (45 minutes)*

**Presenter:** ADRIAN BEVAN + GIANLUCA CAVOTO

**Session Classification:** Working Groups - B Physics

Contribution ID: 16

Type: **not specified**

## **Quarkonium spectroscopy: Experimental status of the art and future perspectives**

*Monday, 7 January 2008 16:00 (30 minutes)*

**Presenter:** RICCARDO FACCINI

**Session Classification:** Plenary I - The Spectroscopy Physics Case

Contribution ID: 17

Type: **not specified**

## **New spectroscopy (including light mesons): theory status of the art and perspectives**

*Monday, 7 January 2008 15:30 (30 minutes)*

**Presenter:** ANTONELLO POLOSA

**Session Classification:** Plenary I - The Spectroscopy Physics Case

Contribution ID: **18**

Type: **not specified**

## **B Physics Observable for New Physics discoveries (Theory)**

*Monday, 7 January 2008 17:00 (30 minutes)*

**Presenter:** MARCO CIUCHINI

**Session Classification:** Plenary II - B Physics for New Physics

Contribution ID: 19

Type: **not specified**

## **B Physics Observable for New Physics discoveries (Exp.)**

*Monday, 7 January 2008 17:30 (30 minutes)*

**Presenter:** TIM GERSHON

**Session Classification:** Plenary II - B Physics for New Physics

Contribution ID: 20

Type: **not specified**

## The Case of Charm Physics

*Tuesday, 8 January 2008 09:00 (45 minutes)*

**Presenter:** IKAROS BIGI

**Session Classification:** Plenary III - Charm Physics



Contribution ID: 21

Type: **not specified**

## **Tau Physics - Theory overview**

*Tuesday, 8 January 2008 11:00 (30 minutes)*

**Presenter:** PARIDE PARDISI

**Session Classification:** Plenary IV - Tau Physics

Contribution ID: 22

Type: **not specified**

## **Tau Physics - Experimental overview**

*Tuesday, 8 January 2008 11:30 (30 minutes)*

**Presenter:** LUSIANI, Alberto

**Session Classification:** Plenary IV - Tau Physics

Contribution ID: 24

Type: **not specified**

## **$K^{(*)}\tau\tau / B \rightarrow l \nu \gamma$ , LFV modes ( $B \rightarrow K\tau+l-$ or $B \rightarrow \tau+l-$ ) (experiment)**

*Wednesday, 9 January 2008 09:00 (45 minutes)*

**Presenter:** STEVE ROBERTSON

**Session Classification:** Working Groups - B Physics

Contribution ID: 25

Type: **not specified**

## **b- $\rightarrow$ Xsll,Xs nu nu (experiment)**

*Wednesday, 9 January 2008 09:45 (45 minutes)*

**Presenter:** FRANCESCO RENGA

**Session Classification:** Working Groups - B Physics

Contribution ID: 26

Type: **not specified**

## **Vub (experiment)**

*Tuesday, 8 January 2008 14:30 (45 minutes)*

**Presenter:** BENOIT VIAUD

**Session Classification:** Working Groups - B physics

Contribution ID: 27

Type: **not specified**

## **Vub (theory) [BY PHONE]**

*Tuesday, 8 January 2008 15:15 (45 minutes)*

**Presenter:** PAOLO GAMBINO

**Session Classification:** Working Groups - B physics

Contribution ID: **28**

Type: **not specified**

## **theory point of view**

*Tuesday, 8 January 2008 17:00 (20 minutes)*

**Session Classification:** Working Groups - Spectroscopy

Contribution ID: **30**

Type: **not specified**

## **Discussion - division of work**

*Tuesday, 8 January 2008 15:30 (45 minutes)*

**Presenters:** ANTONELLO POLOSA; RICCARDO FACCINI

**Session Classification:** Working Groups - Spectroscopy: bottomonium and exotica



Contribution ID: 31

Type: **not specified**

## **status of the art and potentialities at current exps**

*Tuesday, 8 January 2008 15:10 (20 minutes)*

**Presenter:** PATRIGNANI, Claudia (INFN Genova)

**Session Classification:** Working Groups - Spectroscopy: bottomonium and exotica

Contribution ID: 32

Type: **not specified**

## **Searching for a light non-standard Higgs in bottomonium radiative decays**

*Tuesday, 8 January 2008 14:30 (20 minutes)*

**Presenter:** SANCHIS LOZANO, Miguel Angel

**Session Classification:** Working Groups - Spectroscopy: bottomonium and exotica

Contribution ID: 33

Type: **not specified**

## **Super-B Considerations for Higgses and Dark Matter [ BY PHONE ]**

*Tuesday, 8 January 2008 14:50 (20 minutes)*

**Presenter:** MCELRATH, Robert

**Session Classification:** Working Groups - Spectroscopy: bottomonium and exotica

Contribution ID: 34

Type: **not specified**

## Discussion - division of work

*Tuesday, 8 January 2008 17:30 (20 minutes)*

**Presenters:** ANTONELLO POLOSA; FACCINI, Riccardo (RM1)

**Session Classification:** Working Groups - Spectroscopy

Contribution ID: 35

Type: **not specified**

## State of the art

*Wednesday, 9 January 2008 09:00 (20 minutes)*

**Presenter:** RICCARDO FACCINI

**Session Classification:** Working Groups - Spectroscopy

Contribution ID: **36**

Type: **not specified**

## **potentialities of current generation of exps**

*Wednesday, 9 January 2008 09:30 (20 minutes)*

**Presenter:** TOSI, Silvano

**Session Classification:** Working Groups - Spectroscopy

Contribution ID: 37

Type: **not specified**

## **Status and perspectives of competitors**

*Wednesday, 9 January 2008 10:00 (20 minutes)*

**Session Classification:** Working Groups - Spectroscopy

Contribution ID: **38**

Type: **not specified**

## **Review of predictions of models**

*Wednesday, 9 January 2008 11:00 (20 minutes)*

**Session Classification:** Working Groups - Spectroscopy



Contribution ID: 39

Type: **not specified**

## **Discussion on energy scan needs**

*Wednesday, 9 January 2008 11:20 (20 minutes)*

**Session Classification:** Working Groups - Spectroscopy

Contribution ID: 40

Type: **not specified**

## Division of work

*Wednesday, 9 January 2008 11:40 (20 minutes)*

**Session Classification:** Working Groups - Spectroscopy

Contribution ID: 41

Type: **not specified**

## **T odd Moments in $D \rightarrow K^+ K^- \pi \pi$ [BY PHONE]**

*Thursday, 10 January 2008 15:30 (45 minutes)*

**Presenter:** PALANO, Antimo

**Session Classification:** Working Group Charm

Contribution ID: 42

Type: **not specified**

## Observables

**Presenter:** P.BERNABEU

Contribution ID: 43

Type: **not specified**

## **Tau Anomalous Magnetic Moment Measurement with cross section angular dependence**

**Presenter:** A.CERVELLI

Contribution ID: 44

Type: **not specified**

## **Welcome from Director of IFIC and the Delegate of CSIC in the Valencian Community**

*Monday, 7 January 2008 15:00 (15 minutes)*

**Session Classification:** Welcome

Contribution ID: 45

Type: **not specified**

## **Present status of the SuperB project**

*Tuesday, 8 January 2008 12:00 (30 minutes)*

**Presenter:** GIORGI, Marcello

**Session Classification:** Plenary IV - Tau Physics

Contribution ID: 46

Type: **not specified**

## Observables

*Wednesday, 9 January 2008 09:30 (30 minutes)*

**Presenter:** BERNABEU, Jose

**Session Classification:** WG - Tau Physics - EDM, (g-2)\_tau, T/CP-odd observables



Contribution ID: 47

Type: **not specified**

## **Tau Anomalous Magnetic Moment Measurement with cross section angular dependence**

*Wednesday, 9 January 2008 10:00 (20 minutes)*

**Presenter:** CERVELLI, Alberto

**Session Classification:** WG - Tau Physics - EDM,  $(g-2)_\tau$ , T/CP-odd observables

Contribution ID: 48

Type: **not specified**

## **Progress on tau -> mu gamma analysis**

*Thursday, 10 January 2008 09:45 (25 minutes)*

**Presenter:** SWAGATO BANERJEE

**Session Classification:** WG - Tau Physics - Lepton Flavour Violation

Contribution ID: 49

Type: **not specified**

## **Light Higgs parity determination from tau spin correlations**

*Wednesday, 9 January 2008 14:30 (20 minutes)*

**Presenter:** SANCHIS LOZANO, Miguel Angel (IFIC, University of Valencia)

**Session Classification:** WG - Joint Spectroscopy and Tau Physics

Contribution ID: 50

Type: **not specified**

## **LFV tau decays in constrained MSSM**

*Thursday, 10 January 2008 09:30 (15 minutes)*

**Presenter:** PORTOLES, Jorge

**Session Classification:** WG - Tau Physics - Lepton Flavour Violation

Contribution ID: 51

Type: **not specified**

## **Tau Working Group Summary**

*Saturday, 12 January 2008 10:00 (45 minutes)*

**Presenter:** LUSIANI, Alberto

**Session Classification:** Plenary V

Contribution ID: 52

Type: **not specified**

## Charm working group summary

*Saturday, 12 January 2008 15:15 (45 minutes)*

**Presenter:** MARTINEZ-VIDAL, Fernando

**Session Classification:** Plenary VII

Contribution ID: 53

Type: **not specified**

## **Spectroscopy Working Group Summary**

*Saturday, 12 January 2008 12:15 (45 minutes)*

**Presenter:** FACCINI, Riccardo (RM1)

**Session Classification:** Plenary VI

Contribution ID: 54

Type: **not specified**

## **B physics working group summary**

*Saturday, 12 January 2008 14:30 (45 minutes)*

**Presenter:** GERSHON, Tim

**Session Classification:** Plenary VII



Contribution ID: 55

Type: **not specified**

## **Tools working group summary**

*Saturday, 12 January 2008 11:30 (45 minutes)*

**Presenter:** MATTEO RAMA

**Session Classification:** Plenary VI

Contribution ID: 56

Type: **not specified**

## **Preparation for writing the document**

*Saturday, 12 January 2008 16:00 (20 minutes)*

**Presenter:** MARCELLO GIORGI

**Session Classification:** Plenary VII

Contribution ID: 57

Type: **not specified**

## **DCH short term plan**

*Thursday, 10 January 2008 17:50 (10 minutes)*

**Presenter:** MATTEO RAMA

**Session Classification:** Working Groups - Tools

Contribution ID: 58

Type: **not specified**

## Summary of CMS simulation tools

*Thursday, 10 January 2008 18:00 (20 minutes)*

**Presenter:** MAURO MORANDIN

**Session Classification:** Working Groups - Tools

Contribution ID: 59

Type: **not specified**

## **Sharpening the Tau Physics case for SuperB**

*Monday, 14 January 2008 14:30 (20 minutes)*

**Presenter:** Dr LUSIANI, Alberto (Scuola Normale Superiore di Pisa)

**Session Classification:** Preparation of the document

Contribution ID: **60**

Type: **not specified**

## **WG III: Spectroscopy**

*Tuesday, 15 January 2008 11:00 (20 minutes)*

**Presenters:** POLOSA, Antonio Davide (RM1); SANCHIS LOZANO, Miguel Angel (IFIC, University of Valencia); FACCINI, Riccardo (RM1)

**Session Classification:** Preparation of the document

Contribution ID: **61**

Type: **not specified**

## **B-Physics**

*Tuesday, 15 January 2008 11:20 (20 minutes)*

**Presenter:** M. CIUCHINI, T. GERSHON, A.STOCCHI

**Session Classification:** Preparation of the document

Contribution ID: 62

Type: **not specified**

## **Skeleton of appendix on tools**

*Monday, 14 January 2008 14:50 (20 minutes)*

**Presenter:** MATTEO RAMA

**Session Classification:** Preparation of the document



Contribution ID: **63**

Type: **not specified**

## **charm skeleton**

*Tuesday, 15 January 2008 11:40 (20 minutes)*

**Presenters:** MARTINEZ-VIDAL, Fernando; IKAROS BIGI

**Session Classification:** Preparation of the document

Contribution ID: **64**

Type: **not specified**

## **Structure of the whole document**

*Tuesday, 15 January 2008 14:30 (20 minutes)*

**Session Classification:** Closing session