

# **Joint Workshop on |Vub| and |Vcb| (Vxb 2009)**

## **Report of Contributions**

Contribution ID: 0

Type: **not specified**

## Welcome and Workshop Goals

*Thursday 29 October 2009 14:00 (15 minutes)*

**Primary author:** LUTH, Vera (SLAC)

**Presenter:** LUTH, Vera (SLAC)

**Session Classification:** Introduction

Contribution ID: 1

Type: **not specified**

## Welcome and Workshop Goals

Contribution ID: 2

Type: **not specified**

## Welcome and Workshop Goals

Contribution ID: 3

Type: **not specified**

## Heavy Quark Mass Review

*Friday 30 October 2009 09:00 (30 minutes)*

**Primary author:** HOANG, Andre (MPI Munich)

**Presenter:** HOANG, Andre (MPI Munich)

**Session Classification:** Inclusive B -> Xclnu

Contribution ID: 4

Type: **not specified**

## Experimental Status of B $\rightarrow$ D(\*) lnu

*Thursday 29 October 2009 14:30 (15 minutes)*

**Primary author:** SCHWANDA, Christoph (Austrian Academy of Sciences)

**Presenter:** SCHWANDA, Christoph (Austrian Academy of Sciences)

**Session Classification:** Exclusive B  $\rightarrow$  Xclnu: B  $\rightarrow$  D(\*) lnu

Contribution ID: 5

Type: **not specified**

## Lattice Calculations for $B \rightarrow D^{(*)} l \nu$

*Thursday 29 October 2009 15:00 (15 minutes)*

**Primary author:** VAN DE WATER, Ruth

**Presenter:** VAN DE WATER, Ruth (BNL)

**Session Classification:** Exclusive  $B \rightarrow X l \nu$ :  $B \rightarrow D^{(*)} l \nu$

Contribution ID: 6

Type: **not specified**

## New Lattice Methods

*Thursday 29 October 2009 15:30 (15 minutes)*

**Primary author:** BLOSSIER, Benoit

**Presenter:** BLOSSIER, Benoit (Paris sud Orsay)

**Session Classification:** Exclusive B -> Xclnu: B->D(\*)lnu



Contribution ID: 7

Type: **not specified**

## **Experimental Status of B $\rightarrow$ D<sup>\*\*</sup>/D(\*)p1nu**

*Thursday 29 October 2009 16:30 (15 minutes)*

**Primary author:** LOPES-PEGNA, David (Princeton University)

**Presenter:** LOPES-PEGNA, David (Princeton University)

**Session Classification:** Exclusive B  $\rightarrow$  Xclnu: B $\rightarrow$ D<sup>\*\*</sup>lnu

Contribution ID: 8

Type: **not specified**

## Theoretical predictions on $B \rightarrow D^{**}/D^{(*)} \pi l \nu$

*Thursday 29 October 2009 17:00 (15 minutes)*

**Primary author:** IKAROS, Bigi (U. NotreDame)

**Presenter:** IKAROS, Bigi (U. NotreDame)

**Session Classification:** Exclusive B  $\rightarrow$  Xclnu: B  $\rightarrow$  D<sup>\*\*</sup>lnu

Contribution ID: 9

Type: **not specified**

## **Radiative corrections to $D/D^*/\pi/\nu$ Decays**

*Thursday 29 October 2009 17:30 (15 minutes)*

**Primary author:** BERNLOCHNER, Florian (Humboldt U. Berlin)

**Presenter:** BERNLOCHNER, Florian (Humboldt U. Berlin)

**Session Classification:** Exclusive B  $\rightarrow$   $X\nu$ :  $B \rightarrow D^*\nu$

Contribution ID: **10**

Type: **not specified**

## Theory Overview

*Friday 30 October 2009 08:30 (15 minutes)*

**Primary author:** MANNEL, Thomas (Siegen U)

**Presenter:** MANNEL, Thomas (Siegen U)

**Session Classification:** Inclusive B -> Xclnu

Contribution ID: 11

Type: **not specified**

## Global fit Overview

*Friday 30 October 2009 11:30 (15 minutes)*

**Primary author:** SCHWANDA, Christoph (Austrian Academy of Sciences)

**Presenter:** SCHWANDA, Christoph (Austrian Academy of Sciences)

**Session Classification:** Inclusive B -> Xclnu

Contribution ID: 12

Type: **not specified**

## Calculations at $(\alpha_s 1/m_b^2)$ Order

*Friday 30 October 2009 12:00 (15 minutes)*

**Primary author:** LUNGHI, Enrico (Indiana University)

**Presenter:** LUNGHI, Enrico (Indiana University)

**Session Classification:** Inclusive B -> Xclnu

Contribution ID: 13

Type: **not specified**

## **B->Xclnu moment measurement**

*Friday 30 October 2009 10:00 (15 minutes)*

**Primary author:** ROTONDO, marcello (INFN and U. Padova)

**Presenter:** ROTONDO, marcello (INFN and U. Padova)

**Session Classification:** Inclusive B -> Xclnu

Contribution ID: 14

Type: **not specified**

## Calculations at $(\alpha_s^2)$ Order

*Friday 30 October 2009 14:00 (15 minutes)*

**Primary author:** MELNIKOV, Kirill (U. Hawaii)

**Presenter:** MELNIKOV, Kirill (J. Hopkins U.)

**Session Classification:** Inclusive B -> Xclnu



Contribution ID: 15

Type: **not specified**

## Calculations at $(1/m_b^n, n>3)$ and $(1/m_b^3, 1/m_c^m)$ Order

*Friday 30 October 2009 14:30 (15 minutes)*

**Primary author:** TURCZYK, Sascha (Siegen U.)

**Presenter:** TURCZYK, Sascha (Siegen U.)

**Session Classification:** Inclusive B -> Xclnu

Contribution ID: 16

Type: **not specified**

## **Experimental Status of Exclusive B- $\rightarrow$ Xulnu**

*Friday 30 October 2009 16:00 (20 minutes)*

**Primary author:** DINGFELDER, Jochen Christian (Physikalisches Institut Freiburg)

**Presenter:** DINGFELDER, Jochen Christian (Physikalisches Institut Freiburg)

**Session Classification:** Exclusive B  $\rightarrow$  Xulnu and D SL decays

Contribution ID: 17

Type: **not specified**

## Status of lattice Calculations for B->pi l nu

*Friday 30 October 2009 16:30 (20 minutes)*

**Primary author:** VAN DE WATER, Ruth (BNL)

**Presenter:** VAN DE WATER, Ruth (BNL)

**Session Classification:** Exclusive B -> Xulnu and D SL decays

Contribution ID: **18**

Type: **not specified**

## **Summary of Non-lattice Calculations for SL B and D Decays**

*Friday 30 October 2009 17:00 (20 minutes)*

**Primary author:** KHODJAMIRIAN, Alexander (Siegen University)

**Presenter:** KHODJAMIRIAN, Alexander (Siegen University)

**Session Classification:** Exclusive B -> Xulnu and D SL decays

Contribution ID: 19

Type: **not specified**

## Overview of inclusive |Vub| Determinations

**Primary author:** TACKMANN, Frank (MIT)

**Presenter:** TACKMANN, Frank (MIT)

Contribution ID: 20

Type: **not specified**

## **Belle Recent Results**

*Saturday 31 October 2009 09:15 (15 minutes)*

**Primary author:** URQUIJO, Phillip (University of Geneva)

**Presenter:** URQUIJO, Phillip (University of Geneva)

**Session Classification:** Inclusive B -> Xulnu

Contribution ID: 21

Type: **not specified**

## **BaBar Recent Results**

*Saturday 31 October 2009 09:45 (15 minutes)*

**Primary author:** PETRELLA, Antonio (INFN and Universita' di Ferrara)

**Presenter:** PETRELLA, Antonio (INFN and Universita' di Ferrara)

**Session Classification:** Inclusive B -> Xulnu

Contribution ID: 22

Type: **not specified**

## **NNLO Corrections to $B \rightarrow Xu l \nu$ in the Shape-Function Region**

*Saturday 31 October 2009 11:00 (15 minutes)*

**Primary author:** PECJAK, Ben (DESY)

**Presenter:** PECJAK, Ben (DESY)

**Session Classification:** Inclusive  $B \rightarrow Xu l \nu$



Contribution ID: 23

Type: **not specified**

## **Simba – A global fit approach to |Vub|**

*Saturday 31 October 2009 12:10 (15 minutes)*

**Primary author:** TACKMANN, Kerstin (CERN)

**Presenter:** TACKMANN, Kerstin (CERN)

**Session Classification:** Inclusive B -> Xulnu

Contribution ID: 24

Type: **not specified**

## **Power corrections for inclusive Xu l nu and Xs gamma decays**

*Saturday 31 October 2009 11:30 (20 minutes)*

**Primary author:** PAZ, gil (U. Chicago)

**Presenter:** PAZ, gil (U. Chicago)

**Session Classification:** Inclusive B -> Xulnu

Contribution ID: 25

Type: **not specified**

## Overview of inclusive |Vub| Determinations

*Saturday 31 October 2009 08:30 (30 minutes)*

**Primary author:** TACKMANN, Frank (MIT)

**Presenter:** TACKMANN, Frank (MIT)

**Session Classification:** Inclusive B -> Xulnu

Contribution ID: 26

Type: **not specified**

## **Inclusive b to s gamma measurements –spectrum and moments**

*Friday 30 October 2009 11:00 (15 minutes)*

**Primary author:** Dr LIMOSANI, Antonio (University of Melbourne)

**Presenter:** Dr LIMOSANI, Antonio (University of Melbourne)

**Session Classification:** Inclusive B -> Xclnu

Contribution ID: 27

Type: **not specified**

## **Informal Summary of B and D(s) leptonic and D(s) semileptonic decays**

*Friday 30 October 2009 17:30 (10 minutes)*

**Primary author:** GIBBONS, Lawrence (Cornell University)

**Presenter:** GIBBONS, Lawrence (Cornell University)

**Session Classification:** Exclusive B  $\rightarrow$  Xulnu and D SL decays

Contribution ID: 28

Type: **not specified**

## CKM Fitter and $|V_{ub}|/|V_{cb}|$

*Saturday 31 October 2009 15:15 (15 minutes)*

**Primary author:** EIGEN, Gerald (Department of Physics and Technology)

**Presenter:** EIGEN, Gerald (Department of Physics and Technology)

**Session Classification:** Conclusion and Discussion

Contribution ID: 29

Type: **not specified**

## UTFitter and |Vub|/|Vcb|

*Saturday 31 October 2009 15:00 (15 minutes)*

**Primary author:** Dr TARANTINO, Cecilia (Technical University Munich)

**Presenter:** Dr TARANTINO, Cecilia (Technical University Munich)

**Session Classification:** Conclusion and Discussion

Contribution ID: **30**

Type: **not specified**

## **Workshop Summary: Discussion**

*Saturday 31 October 2009 16:00 (30 minutes)*

**Primary author:** LIGETI, Zoltan (LBNL)

**Presenter:** LIGETI, Zoltan (LBNL)

**Session Classification:** Conclusion and Discussion



Contribution ID: 31

Type: **not specified**

## Discussion - list of questions

*Thursday 29 October 2009 18:00 (30 minutes)*

**Primary authors:** KRONFELD, Andreas (Fermilab); KOWALEWSKI, Bob (Department of Physics and Astronomy)

**Presenters:** KRONFELD, Andreas (Fermilab); KOWALEWSKI, Bob (Department of Physics and Astronomy)

**Session Classification:** Exclusive B -> Xclnu: B->D\*\*lnu

Contribution ID: 32

Type: **not specified**

## Discussion - list of questions

*Friday 30 October 2009 15:00 (30 minutes)*

**Primary authors:** SCHWANDA, Christoph (Austrian Academy of Sciences); MANNEL, Thomas (Siegen U)

**Presenters:** SCHWANDA, Christoph (Austrian Academy of Sciences); MANNEL, Thomas (Siegen U)

**Session Classification:** Inclusive B -> Xclnu

Contribution ID: 33

Type: **not specified**

## Discussion - list of questions

Contribution ID: 34

Type: **not specified**

## Discussion - list of questions

*Friday 30 October 2009 18:00 (30 minutes)*

**Primary authors:** SHIGEMITSU, Junko (Ohio State University); GIBBONS, Lawrence (Cornell University)

**Presenters:** SHIGEMITSU, Junko (Ohio State University); GIBBONS, Lawrence (Cornell University)

**Session Classification:** Exclusive B -> Xulnu and D SL decays

Contribution ID: 35

Type: **not specified**

## Discussion - list of questions

*Saturday 31 October 2009 14:30 (30 minutes)*

**Presenters:** BOZZI, Concezio (INFN Ferrara); BARBERIO, Elisabetta (University of Melbourne); LUKE, Michael (U. Toronto); LUTH, Vera (SLAC)

**Session Classification:** Inclusive B -> Xulnu

Contribution ID: 36

Type: **not specified**

## **Inclusive vs. Exclusive: A Novel Method for Measuring |Vub|**

*Saturday 31 October 2009 14:00 (15 minutes)*

**Primary author:** PROCURA, Massimiliano (MIT)

**Presenter:** PROCURA, Massimiliano (MIT)

**Session Classification:** Inclusive B -> Xulnu