

**The 7th International  
Conference on Hyperons,  
Charm And Beauty Hadrons,  
BEACH 2006, 2-8 July,  
Lancaster**

**Report of Contributions**

Contribution ID: 0

Type: **not specified**

## **Bs oscillations measurements in CDF**

*Tuesday, July 4, 2006 9:00 AM (20 minutes)*

5 pages

**Presenter:** SALAMANNA, Giuseppe

**Session Classification:** Session 3: B-physics - 2

Contribution ID: 1

Type: **not specified**

## Conference summary - theory part

*Saturday, July 8, 2006 11:40 AM (50 minutes)*

9 or 10 pages

**Presenter:** ALI, Ahmed (DESY)

**Session Classification:** Overview talks, Concluding remarks, Summary of conference

Contribution ID: 3

Type: **not specified**

## Concluding remarks

*Saturday, July 8, 2006 11:30 AM (10 minutes)*

**Presenter:** SMIZANSKA, Maria (Lancaster University)

**Session Classification:** Overview talks, Concluding remarks, Summary of conference

Contribution ID: 4

Type: **not specified**

## Conference summary - experimental part

*Saturday, July 8, 2006 12:30 PM (50 minutes)*

8 pages

**Presenter:** PLAYFER, Stephen (The University of Edinburgh)

**Session Classification:** Overview talks, Concluding remarks, Summary of conference

Contribution ID: 5

Type: **not specified**

## **A Review of Charm Leptonic Decays**

*Wednesday, July 5, 2006 2:00 PM (20 minutes)*

4 pages

**Presenter:** MILLER, David (Purdue University)

**Session Classification:** Session 6: Charm Physics

Contribution ID: 6

Type: **not specified**

## A Review of Charm Semileptonic Decays

*Wednesday, July 5, 2006 2:20 PM (20 minutes)*

4 pages

**Presenter:** KIM, Doris (UIUC)

**Session Classification:** Session 6: Charm Physics

Contribution ID: 7

Type: **not specified**

## **A Review of Charm Hadronic Decays and Charm Lifetimes**

*Wednesday, July 5, 2006 2:40 PM (20 minutes)*

4 pages

**Presenter:** SUN, Werner (Cornell)

**Session Classification:** Session 6: Charm Physics



Contribution ID: 8

Type: **not specified**

## Charmonium Review

*Wednesday, July 5, 2006 3:00 PM (20 minutes)*

4 pages

**Presenter:** HARRIS, Fred (Hawaii)

**Session Classification:** Session 6: Charm Physics

Contribution ID: 9

Type: **not specified**

## **Theory review on rare K decays: SM and beyond**

*Monday, July 3, 2006 9:30 AM (25 minutes)*

5 pages

**Presenter:** Dr SMITH, Christopher (University of Bern)

**Session Classification:** Session 1: K-physics-1

Contribution ID: **10**

Type: **not specified**

## **CP violation studies at Tevatron**

*Tuesday, July 4, 2006 11:25 AM (20 minutes)*

4 pages

**Presenter:** BEN-HAIM, Eli

**Session Classification:** Session 3: B-physics - 2

Contribution ID: 11

Type: **not specified**

## **Status report on rare K decays : experiments**

*Monday, July 3, 2006 9:55 AM (25 minutes)*

5 pages

**Presenter:** Dr NOMURA, Tadashi (University of Kyoto)

**Session Classification:** Session 1: K-physics-1

Contribution ID: 12

Type: **not specified**

## Rare Radiative Decay Results From KTeV

*Monday, July 3, 2006 10:20 AM (25 minutes)*

5 pages

**Presenter:** Dr NGUYEN, Hogan (Fermilab)

**Session Classification:** Session 1: K-physics-1

Contribution ID: 13

Type: **not specified**

## Highlights on neutral K decays

*Monday, July 3, 2006 10:45 AM (25 minutes)*

5 pages

**Presenter:** Dr GATTI, Claudio (INFN Laboratori Nazionali di Frascati)

**Session Classification:** Session 1: K-physics-1

Contribution ID: 14

Type: **not specified**

## **Low energy dynamics and scattering lengths with K**

*Monday, July 3, 2006 11:55 AM (25 minutes)*

5 pages

**Presenter:** Prof. ANZIVINO, Giuseppina (INFN and University of Perugia)

**Session Classification:** Session 1: K-physics-1

Contribution ID: 16

Type: **not specified**

## **Status report on CP violation with charged kaons**

*Monday, July 3, 2006 11:30 AM (25 minutes)*

5 pages

**Presenter:** Dr COLLAZUOL, Gianmaria (INFN Pisa)

**Session Classification:** Session 1: K-physics-1



Contribution ID: **18**

Type: **not specified**

## **Semileptonic K decays: recent measurements on Vus**

*Tuesday, July 4, 2006 2:00 PM (30 minutes)*

5 pages

**Presenter:** Dr ANTONELLI, Antonella (I.N.F.N. Frascati Natinal Laboratory)

**Session Classification:** Session 4: K-Physics-2

Contribution ID: 19

Type: **not specified**

## **Review on Chiral Perturbation: theory**

*Tuesday, July 4, 2006 2:30 PM (25 minutes)*

5 pages

**Presenter:** Dr D'AMBROSIO, Giancarlo (INFN Napoli)

**Session Classification:** Session 4: K-Physics-2

Contribution ID: 20

Type: **not specified**

## **Review on Chiral Perturbation: experimental measurements**

*Tuesday, July 4, 2006 2:55 PM (25 minutes)*

5 pages

**Presenter:** Dr FANTECHI, Riccardo (INFN Pisa)

**Session Classification:** Session 4: K-Physics-2

Contribution ID: 21

Type: **not specified**

## Highlights on rare charged K decays - I

*Tuesday, July 4, 2006 3:20 PM (25 minutes)*

4 pages

**Presenter:** Dr DUK, Viacheslav (INR Moskva)

**Session Classification:** Session 4: K-Physics-2

Contribution ID: 23

Type: **not specified**

## Highlights on rare charged K decays - I I

*Tuesday, July 4, 2006 4:15 PM (25 minutes)*

4 pages

**Presenter:** Dr RAGGI, Mauro (INFN Perugia)

**Session Classification:** Session 4: K-Physics-2

Contribution ID: 24

Type: **not specified**

## **CPT and Quantum Mechanics tests with Kaons: theory**

*Tuesday, July 4, 2006 4:40 PM (25 minutes)*

4 pages

**Presenter:** Prof. MAVROMATOS, Nikolaos (King's College London)

**Session Classification:** Session 4: K-Physics-2

Contribution ID: 25

Type: **not specified**

## **Tests of CPT and Quantum Mechanics: experiment**

*Tuesday, July 4, 2006 5:05 PM (25 minutes)*

4 pages

**Presenter:** Dr TESTA, Marianna (Roma La Sapienza University and INFN)

**Session Classification:** Session 4: K-Physics-2

Contribution ID: 26

Type: **not specified**

## **B-factories: $\sin 2\beta$ from $b \rightarrow c$ and $b \rightarrow s$ .**

*Monday, July 3, 2006 2:00 PM (20 minutes)*

4 pages

**Presenter:** BRACKO, Marko (Ljubljana)

**Session Classification:** Session 2: B-physics - I



Contribution ID: 27

Type: **not specified**

## Recent measurements of $\sin 2\alpha$ in B-factories

*Monday, July 3, 2006 2:20 PM (20 minutes)*

4 pages

**Presenter:** HUTCHCROFT, David (University of Liverpool)

**Session Classification:** Session 2: B-physics - I

Contribution ID: 28

Type: **not specified**

## **B-factories: measurements of sin 2 gamma using Dalitz analysis.**

*Monday, July 3, 2006 2:40 PM (20 minutes)*

4 pages

**Presenter:** GARMASH, Alexei (Princeton)

**Session Classification:** Session 2: B-physics - I

Contribution ID: 29

Type: **not specified**

## **Potential for precise Unitarity Triangle angles measurements in LHC.**

*Monday, July 3, 2006 3:00 PM (20 minutes)*

4 pages

**Presenter:** MUSY, Marco (Milano)

**Session Classification:** Session 2: B-physics - I

Contribution ID: **30**

Type: **not specified**

## **B hadron decays to open charm production in B-factories**

*Monday, July 3, 2006 3:20 PM (25 minutes)*

4 pages

**Presenter:** BOZEK, Andrzej (Krakow)

**Session Classification:** Session 2: B-physics - I

Contribution ID: 32

Type: **not specified**

## **Baryonic B meson decays decays in B-factories**

*Monday, July 3, 2006 3:45 PM (20 minutes)*

4 pages

**Presenter:** WANG, M.Z. (NTU)

**Session Classification:** Session 2: B-physics - I

Contribution ID: 33

Type: **not specified**

## **Theory: Vxb from semileptonic decays**

*Monday, July 3, 2006 4:25 PM (40 minutes)*

4 pages

**Presenter:** GAMBINO, Paolo (Turin U and INFN)

**Session Classification:** Session 2: B-physics - I

Contribution ID: **34**

Type: **not specified**

## **Current status of CKM**

*Monday, July 3, 2006 5:05 PM (25 minutes)*

7 pages

**Presenter:** MANCINELLI, Giampiero (University of Cincinnati)

**Session Classification:** Session 2: B-physics - I

Contribution ID: 35

Type: **not specified**

## New results on $B_c$ in Tevatron

*Friday, July 7, 2006 9:40 AM (20 minutes)*

4 pages

**Presenter:** RAHAMAN, Azizur

**Session Classification:** Session 8: B-physics-3



Contribution ID: **36**

Type: **not specified**

## **Bs oscillation measurements in D0**

*Tuesday, July 4, 2006 9:20 AM (20 minutes)*

5 pages

**Presenter:** WALDER, James

**Session Classification:** Session 3: B-physics - 2

Contribution ID: 37

Type: **not specified**

## **D0 detector and triggers for B physics**

*Friday, July 7, 2006 9:20 AM (20 minutes)*

4 pages

**Presenter:** WELTY, Leah (Indiana University)

**Session Classification:** Session 8: B-physics-3

Contribution ID: **38**

Type: **not specified**

## **CDF detector and triggers for B physics**

*Friday, July 7, 2006 9:00 AM (20 minutes)*

4 pages

**Presenter:** DONATI, Simone

**Session Classification:** Session 8: B-physics-3

Contribution ID: 39

Type: **not specified**

## **Lifetime of B hadrons in Tevatron**

*Tuesday, July 4, 2006 10:05 AM (20 minutes)*

4 pages

**Presenter:** DE LA CRUZ BURELO, Eduard

**Session Classification:** Session 3: B-physics - 2

Contribution ID: 40

Type: **not specified**

## **Lambda\_b properties in D0 and ATLAS**

*Friday, July 7, 2006 10:20 AM (20 minutes)*

4 pages

**Presenter:** PANIKASHVILI, Natalia (Technion and University of Michigan)

**Session Classification:** Session 8: B-physics-3

Contribution ID: 41

Type: **not specified**

## Measurements of the Bs lifetime difference in Tevatron

*Tuesday, July 4, 2006 9:40 AM (25 minutes)*

5 pages

**Presenter:** YIP, Kin (Brookhaven)

**Session Classification:** Session 3: B-physics - 2

Contribution ID: 42

Type: **not specified**

## **Theory: B hadrons lifetimes and mixing**

*Tuesday, July 4, 2006 10:25 AM (40 minutes)*

5 pages

**Presenter:** FLYNN, Jonathan (Southampton U)

**Session Classification:** Session 3: B-physics - 2

Contribution ID: 43

Type: **not specified**

## Theory of CP violation

*Tuesday, July 4, 2006 11:45 AM (40 minutes)*

5 pages

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

**Session Classification:** Session 3: B-physics - 2



Contribution ID: 44

Type: **not specified**

## **Rare decays of B hadrons in Tevatron**

*Friday, July 7, 2006 11:00 AM (20 minutes)*

4 pages

**Presenter:** RIEGER, Jason (Indiana University)

**Session Classification:** Session 8: B-physics-3

Contribution ID: 45

Type: **not specified**

## **LHCb detector and triggers**

*Friday, July 7, 2006 12:00 PM (20 minutes)*

4 pages

**Presenter:** METLICA, Fabio (Bristol)

**Session Classification:** Session 8: B-physics-3

Contribution ID: 46

Type: **not specified**

## **ATLAS and CMS detectors and triggers for B-physics**

*Friday, July 7, 2006 10:00 AM (20 minutes)*

4 pages

**Presenter:** SPEER, Thomas (Zurich)

**Session Classification:** Session 8: B-physics-3

Contribution ID: 47

Type: **not specified**

## Theory of rare decays

*Friday, July 7, 2006 11:20 AM (40 minutes)*

5 pages

**Presenter:** GARDI, Einan (Cambridge)

**Session Classification:** Session 8: B-physics-3

Contribution ID: 48

Type: **not specified**

## **LHC program for very rare B decays**

*Saturday, July 8, 2006 10:00 AM (20 minutes)*

4 pages

**Presenter:** REZNICEK, Pavel (Prague)

**Session Classification:** Session 10: B-physics-4

Contribution ID: 49

Type: **not specified**

## Theory: new physics and heavy flavours

*Saturday, July 8, 2006 9:20 AM (40 minutes)*

4 pages

**Presenter:** CIUCHINI, Marco (Universita di Roma Tre and INFN)

**Session Classification:** Session 10: B-physics-4

Contribution ID: 51

Type: **not specified**

## **EW penguins and new physics**

*Saturday, July 8, 2006 10:20 AM (20 minutes)*

4 pages

**Presenter:** SIMI, Gabriele (University of Maryland)

**Session Classification:** Session 10: B-physics-4

Contribution ID: 52

Type: **not specified**

## **LHC semileptonic and radiative rare B decays program**

*Saturday, July 8, 2006 10:40 AM (20 minutes)*

4 pages

**Presenter:** KOPPENBURG, Patrick (Imperial)

**Session Classification:** Session 10: B-physics-4



Contribution ID: 53

Type: **not specified**

## **LHC sensitivity to New physics in Bs parameters**

*Saturday, July 8, 2006 9:00 AM (20 minutes)*

4 pages

**Presenter:** CATMORE, James (Lancaster University)

**Session Classification:** Session 10: B-physics-4

Contribution ID: 54

Type: **not specified**

## **Charm Spectrcopy (states at the end of the alphbet)**

*Wednesday, July 5, 2006 3:20 PM (25 minutes)*

4 pages

**Presenter:** PETERSEN, Brian (SLAC)

**Session Classification:** Session 6: Charm Physics

Contribution ID: 56

Type: **not specified**

## Charm and the Lattice

*Wednesday, July 5, 2006 4:05 PM (35 minutes)*

5 pages

**Presenter:** RYAN, Sinead (TCD)

**Session Classification:** Session 6: Charm Physics

Contribution ID: 57

Type: **not specified**

## Charm Theory Review (non-lattice)

*Wednesday, July 5, 2006 4:40 PM (35 minutes)*

5 pages

**Presenter:** GOLOWICH, Gene (U Mass)

**Session Classification:** Session 6: Charm Physics

Contribution ID: 58

Type: **not specified**

## Welcome speech

*Monday, July 3, 2006 9:10 AM (10 minutes)*

**Presenter:** Prof. T.MCMILLAN - VICE CHANCELLOR FOR RESEARCH OF LANCASTER UNIVERSITY

**Session Classification:** Welcome

Contribution ID: 59

Type: **not specified**

## **Flavour physics as a way of distinguish between new physics models**

**Presenter:** VEMPATI, Sudhir

Contribution ID: **60**

Type: **not specified**

## **LHCb - beyond the baseline**

*Friday, July 7, 2006 3:00 PM (20 minutes)*

4 pages

**Presenter:** OBRATSOV, Vladimir

**Session Classification:** Session 9: Future Directions

Contribution ID: **61**

Type: **not specified**

## **Prospects and physics reach of a super B factory at KEK**

*Friday, July 7, 2006 2:20 PM (20 minutes)*

4 pages

**Presenter:** KATAYAMA, Nobuhiko (KEK)

**Session Classification:** Session 9: Future Directions



Contribution ID: **62**

Type: **not specified**

## **New ideas for super B factory**

*Friday, July 7, 2006 2:40 PM (20 minutes)*

4 pages

**Presenter:** PLAYFER, Steve (University of Edinburgh)

**Session Classification:** Session 9: Future Directions

Contribution ID: **63**

Type: **not specified**

## **Future rare kaon decay experiments**

*Friday, July 7, 2006 4:05 PM (20 minutes)*

4 pages

**Presenter:** VALENTE, Paolo (INFN Roma)

**Session Classification:** Session 9: Future Directions

Contribution ID: **64**

Type: **not specified**

## **CPV and searches for electron and neutron EDMs**

*Friday, July 7, 2006 2:00 PM (20 minutes)*

4 pages

**Presenter:** HARRIS, Philip (University of Sussex)

**Session Classification:** Session 9: Future Directions

Contribution ID: 69

Type: **not specified**

## **New physics upper bound on the branching ratio of $B_s \rightarrow l+l^-$**

*Friday, July 7, 2006 4:10 PM (15 minutes)*

3 pages

**Presenter:** ALOK, Ashutosh Kumar

**Session Classification:** Poster Session

Contribution ID: 70

Type: **not specified**

## **Lambda polarization and its relation with nucleonic resonances.**

*Friday, July 7, 2006 4:40 PM (15 minutes)*

3 pages

**Presenter:** VALLEJO, Victor Manuel Castillo (Universidad de Guanajuato)

**Session Classification:** Poster Session

Contribution ID: 71

Type: **not specified**

## Hyperon weak and radiative decays

*Thursday, July 6, 2006 9:20 AM (20 minutes)*

4 pages

**Presenter:** ZENCZYKOWSKI, Piotr

**Session Classification:** Session 7: Physics of HF hadrons, HF production - 2

Contribution ID: 72

Type: **not specified**

## **Results on hyperon physics from NA48 and KTeV**

*Thursday, July 6, 2006 10:20 AM (20 minutes)*

4 pages

**Presenter:** LAZZERONI, Christina

**Session Classification:** Session 7: Physics of HF hadrons, HF production - 2

Contribution ID: 73

Type: **not specified**

## HF production at MIPP/HARP

*Wednesday, July 5, 2006 9:20 AM (20 minutes)*

4 pages

**Presenter:** SOLOMEY, Nickolas

**Session Classification:** Session 5: Physics of HF hadrons, HF production - 1



Contribution ID: 74

Type: **not specified**

## **Search for Pentaquark States at CLAS**

*Thursday, July 6, 2006 9:00 AM (20 minutes)*

4 pages

**Presenter:** DE VITA, Raffaella

**Session Classification:** Session 7: Physics of HF hadrons, HF production - 2

Contribution ID: 75

Type: **not specified**

## **Xc+ Lifetime Measurement from Selex Experiment**

*Wednesday, July 5, 2006 9:40 AM (20 minutes)*

4 pages

**Presenter:** AKGUN, Ugur (University of Iowa)

**Session Classification:** Session 5: Physics of HF hadrons, HF production - 1

Contribution ID: 76

Type: **not specified**

## **Longitudinal Lambda and antiLambda polarization in the COMPASS**

*Thursday, July 6, 2006 10:00 AM (20 minutes)*

4 pages

**Presenter:** KANG, Donghee (Freiburg University)

**Session Classification:** Session 7: Physics of HF hadrons, HF production - 2

Contribution ID: 79

Type: **not specified**

## **Recent Results on Charm Physics from the Tevatron Collider**

*Wednesday, July 5, 2006 5:15 PM (20 minutes)*

4 pages

**Presenter:** KARCHIN, Paul

**Session Classification:** Session 6: Charm Physics

Contribution ID: **80**

Type: **not specified**

## **Heavy Flavour production at HERA**

*Wednesday, July 5, 2006 10:00 AM (20 minutes)*

4 pages

**Presenter:** GRAB, Christoph (Institut f. Teilchenphysik, Zurich)

**Session Classification:** Session 5: Physics of HF hadrons, HF production - 1

Contribution ID: **81**

Type: **not specified**

## **Renormalization group analysis in cross section of b-quark production**

*Wednesday, July 5, 2006 9:00 AM (20 minutes)*

4 pages

**Presenter:** MIRJALILI, Abolfazl

**Session Classification:** Session 5: Physics of HF hadrons, HF production - 1

Contribution ID: 82

Type: **not specified**

## **Prospects for heavy flavour production cross section measurements in heavy ions at the LHC**

*Wednesday, July 5, 2006 11:20 AM (20 minutes)*

4 pages

**Presenter:** LUNARDON, Marcello

**Session Classification:** Session 5: Physics of HF hadrons, HF production - 1

Contribution ID: 83

Type: **not specified**

## **Prospects for heavy flavour production cross section measurements in pp collisions at the LHC**

*Wednesday, July 5, 2006 10:20 AM (30 minutes)*

4 pages

**Presenter:** Dr SHERSTNEV, Alex (Moscow State University and University of Cambridge, UK)

**Session Classification:** Session 5: Physics of HF hadrons, HF production - 1



Contribution ID: **84**

Type: **not specified**

## **Spectroscopy at HERA**

*Thursday, July 6, 2006 11:00 AM (20 minutes)*

4 pages

**Presenter:** LIU, Chuanlei (Mcgill, Canada)

**Session Classification:** Session 7: Physics of HF hadrons, HF production - 2

Contribution ID: 85

Type: **not specified**

## **$\Lambda 0$ Polarization in Exclusive and Inclusive pN Reactions**

*Thursday, July 6, 2006 9:40 AM (20 minutes)*

4 pages

**Presenter:** FELIX, Julian

**Session Classification:** Session 7: Physics of HF hadrons, HF production - 2

Contribution ID: **86**

Type: **not specified**

## **Study of Lambda polarisation at HERMES**

*Thursday, July 6, 2006 11:20 AM (20 minutes)*

4 pages

**Presenter:** NARYSHKIN, Youri

**Session Classification:** Session 7: Physics of HF hadrons, HF production - 2

Contribution ID: 87

Type: **not specified**

## CP Violation in Hyperons

*Thursday, July 6, 2006 11:40 AM (20 minutes)*

6 pages

**Presenter:** DUKES, Craig (Virginia University)

**Session Classification:** Session 7: Physics of HF hadrons, HF production - 2

Contribution ID: **88**

Type: **not specified**

## **Future facility: FAIR and GSI**

*Friday, July 7, 2006 4:45 PM (20 minutes)*

4 pages

**Presenter:** ROSNER, Guenther (Glasgow)

**Session Classification:** Session 9: Future Directions

Contribution ID: **89**

Type: **not specified**

## **K\_L\_mu3 decays: A stringent Test of Right-Handed Quark Currents**

*Friday, July 7, 2006 4:25 PM (20 minutes)*

3 pages

**Presenter:** PASSEMAR, Emilie

**Session Classification:** Session 9: Future Directions

Contribution ID: **90**

Type: **not specified**

## **Heavy Flavours and JetWeb.**

*Wednesday, July 5, 2006 11:40 AM (20 minutes)*

4 pages

**Presenter:** Dr LOIZIDES, John (University College London)

**Session Classification:** Session 5: Physics of HF hadrons, HF production - 1

Contribution ID: **91**

Type: **not specified**

## **Poster session**



Contribution ID: 92

Type: **not specified**

## **Effective theory description of weak annihilation effects in $B \rightarrow Xu l \nu$**

*Friday, July 7, 2006 4:25 PM (15 minutes)*

3 pages

**Presenter:** SANZ-CILLERO, Juan Jose (Institut de Physique Nuclaire d'Orsay)

**Session Classification:** Poster Session

Contribution ID: 93

Type: **not specified**

## Introduction

*Monday, July 3, 2006 9:00 AM (5 minutes)*

**Presenter:** SMIZANSKA, Maria (Lancaster University)

**Session Classification:** Welcome