

**BEACH 2012 - 10th  
International Conference on  
Beauty Charm Hyperons in  
Hadronic interactions**

**Report of Contributions**

Contribution ID: 0

Type: **not specified**

## Welcome

*Monday, 23 July 2012 10:00 (10 minutes)*

**Presenter:** MEYER, Holger (Wichita State University (US))

**Session Classification:** Opening session

Contribution ID: 1

Type: **not specified**

## **Cabibbo mixing and the experiments that proved it**

*Monday, 23 July 2012 10:10 (50 minutes)*

**Presenter:** WINSTON, Roland (UC Merced (US))

**Session Classification:** Opening session

Contribution ID: 2

Type: **not specified**

## **Studies of beauty and charm quark production and decays with the CMS experiment**

*Monday, 23 July 2012 11:10 (25 minutes)*

**Presenter:** PERROZZI, Luca (CERN)

**Session Classification:** Opening session

Contribution ID: 3

Type: **not specified**

## **Heavy flavour production and spectroscopy at LHCb.**

*Monday, 23 July 2012 11:40 (25 minutes)*

**Presenter:** DE SIMONE, Patrizia (Laboratori di Frascati, INFN (IT))

**Session Classification:** Opening session

Contribution ID: 4

Type: **not specified**

## **Rare and CP violating kaon decays: A probe of TeV scale physics**

*Monday, 23 July 2012 12:10 (25 minutes)*

**Presenter:** GORBAHN, Martin (Technische Universitaet Muenchen (DE))

**Session Classification:** Opening session

Contribution ID: 5

Type: **not specified**

## **Higgs Boson Near 125 GeV in Gauge–Mediated Supersymmetry Breaking Models with Messenger–Matter Mixing.**

*Monday, 23 July 2012 17:10 (25 minutes)*

**Presenter:** ALBAID, Abdelhamid (Wichita State University (US))

**Session Classification:** Higgs session

Contribution ID: 6

Type: **not specified**

## **Higgs searches in CMS**

*Monday, 23 July 2012 14:00 (45 minutes)*

**Presenter:** SVINTRADZE, Irakli (Kansas State University (US))

**Session Classification:** Higgs session



Contribution ID: 7

Type: **not specified**

## **ATLAS Observation of a new narrow resonance**

*Monday, 23 July 2012 14:50 (45 minutes)*

**Presenter:** BOVEIA, Antonio (University of Chicago (US))

**Session Classification:** Higgs session

Contribution ID: 8

Type: **not specified**

## Higgs searches at D0

*Monday, 23 July 2012 16:40 (25 minutes)*

**Presenter:** WILSON, Graham (University of Kansas (US))

**Session Classification:** Higgs session

Contribution ID: 9

Type: **not specified**

## **Searches for New Physics in Heavy Flavor Decays at CDF**

*Tuesday, 24 July 2012 12:20 (25 minutes)*

**Presenter:** HARR, Robert F. (Wayne State University (US))

**Session Classification:** B physics 1

Contribution ID: **10**

Type: **not specified**

## **Recent results from LHCb and future prospects**

*Tuesday, 24 July 2012 09:00 (45 minutes)*

**Presenter:** CAMPANA, Pierluigi (CERN-LNF)

**Session Classification:** B physics 1

Contribution ID: 11

Type: **not specified**

## **Heavy Flavor Cross Section measurements with the ATLAS Detector**

*Tuesday, 24 July 2012 09:55 (25 minutes)*

**Presenter:** HAWKES, Chris (University of Birmingham (GB))

**Session Classification:** B physics 1

Contribution ID: 12

Type: **not specified**

## **Measurement of Mass and Lifetime of Lambda\_b**

*Tuesday, 24 July 2012 10:25 (25 minutes)*

**Presenter:** PANIKASHVILI, Natalia (University of Michigan (US))

**Session Classification:** B physics 1

Contribution ID: 13

Type: **not specified**

## Heavy Flavor production at HERA

*Tuesday, 24 July 2012 11:20 (25 minutes)*

**Presenter:** MUJKIC, Kenan (University College London (UK))

**Session Classification:** B physics 1

Contribution ID: 14

Type: **not specified**

## **Studies of $B \rightarrow \tau \nu$ and $B \rightarrow D^{(*)} \tau \nu$ at BABAR**

*Friday, 27 July 2012 12:00 (25 minutes)*

**Presenter:** VASSEUR, Georges (CEA (FR))

**Session Classification:** Future Projects



Contribution ID: 15

Type: **not specified**

## **Recent results on hadronic B decays from Belle**

*Tuesday, 24 July 2012 11:50 (25 minutes)*

**Presenter:** KIM, Jung Hyun (Korea Institute Of Science And Technology Information (KR))

**Session Classification:** B physics 1

Contribution ID: **16**

Type: **not specified**

## **Direct CP violation**

*Tuesday, 24 July 2012 14:00 (25 minutes)*

**Presenter:** CARDINALE, Roberta (Univ. of Genova and INFN-Genova (IT))

**Session Classification:** CP violation

Contribution ID: **18**

Type: **not specified**

## **Measurements of flavor specific mixing asymmetries in $B^0_d$ and $B^0_s$ mesons**

*Tuesday, 24 July 2012 14:30 (25 minutes)*

**Presenter:** WILLIAMS, Mark (Lancaster University (UK))

**Session Classification:** CP violation

Contribution ID: **19**

Type: **not specified**

## **Recent results on CP and CPT tests at KLOE/KLOE-2**

*Tuesday, 24 July 2012 15:00 (25 minutes)*

**Presenter:** DI DOMENICO, Antonio (Universita e INFN, Roma I (IT))

**Session Classification:** CP violation

Contribution ID: **20**

Type: **not specified**

## **CP violation Measurements with the ATLAS Detector**

*Tuesday, 24 July 2012 15:30 (25 minutes)*

**Presenter:** KNERINGER, Emmerich (University of Innsbruck (AT))

**Session Classification:** CP violation

Contribution ID: 21

Type: **not specified**

## **CP violating phases in neutral meson oscillations**

*Tuesday, 24 July 2012 16:30 (25 minutes)*

**Presenter:** VAN EIJK, Daan (NIKHEF (NL))

**Session Classification:** CP violation

Contribution ID: 22

Type: **not specified**

## **Searches for new sources of CP violation at BABAR**

*Tuesday, 24 July 2012 17:00 (25 minutes)*

**Presenter:** ALBERT, Justin (University of Victoria (CA))

**Session Classification:** CP violation

Contribution ID: 23

Type: **not specified**

## **An Improved Measurement of Electron Antineutrino Disappearance at Daya Bay**

*Tuesday, 24 July 2012 17:30 (25 minutes)*

**Presenter:** WEBBER, David (University Of Wisconsin-Madison (US))

**Session Classification:** CP violation



Contribution ID: 24

Type: **not specified**

## Review of Quarkonia at RHIC

*Wednesday, 25 July 2012 09:00 (35 minutes)*

**Presenter:** ISENHOWER, Donald (Abilene Christian University (US))

**Session Classification:** Heavy Ions and more

Contribution ID: 25

Type: **not specified**

## Alice results from LHC

*Wednesday, 25 July 2012 09:40 (35 minutes)*

**Presenter:** NILSEN, Bjorn (Creighton University (US))

**Session Classification:** Heavy Ions and more

Contribution ID: 26

Type: **not specified**

## **Quarkonia production in proton proton and heavy ion collisions at TeV energies**

*Wednesday, 25 July 2012 10:20 (35 minutes)*

**Presenter:** MURRAY, Michael (University of Kansas (US))

**Session Classification:** Heavy Ions and more

Contribution ID: 27

Type: **not specified**

## **J/psi/Upsilon/Chi\_3b Production with the ATLAS Detector**

*Wednesday, 25 July 2012 11:30 (25 minutes)*

**Presenter:** WANG, Rui (University of New Mexico (US))

**Session Classification:** Heavy Ions and more

Contribution ID: 28

Type: **not specified**

## **Measurements of quarkonium production cross-sections with the CMS experiment**

*Wednesday, 25 July 2012 12:00 (25 minutes)*

**Presenter:** ZHENG, Yu (Purdue University (US))

**Session Classification:** Heavy Ions and more

Contribution ID: **30**

Type: **not specified**

## **Rare exclusive $b \rightarrow s\ell^+\ell^-$ decays: First attempts to fly**

*Thursday, 26 July 2012 09:00 (25 minutes)*

**Presenter:** BOBETH, Christoph (Technical University Munich (DE))

**Session Classification:** B physics 2

Contribution ID: **31**

Type: **not specified**

## **Heavy Flavor Rare Decays with the ATLAS Detector**

*Thursday, 26 July 2012 09:30 (25 minutes)*

**Presenter:** PRELL, Soeren Andre (Iowa State University (US))

**Session Classification:** B physics 2

Contribution ID: 32

Type: **not specified**

## Rare decays - LHCb

*Thursday, 26 July 2012 10:00 (25 minutes)*

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

**Session Classification:** B physics 2



Contribution ID: 33

Type: **not specified**

## **Heavy flavor and vector bosons associate production**

*Thursday, 26 July 2012 10:30 (25 minutes)*

**Presenter:** PIN, Arnaud (Universite Catholique De Louvain (BE))

**Session Classification:** B physics 2

Contribution ID: 34

Type: **not specified**

## **Searches for New Heavy Bottom Baryon with CDF II Detector**

*Thursday, 26 July 2012 11:30 (25 minutes)*

**Presenter:** PALNI, Prabhakar (University Of New Mexico (US))

**Session Classification:** B physics 2

Contribution ID: 35

Type: **not specified**

## **Search for $B_s^0 \rightarrow \mu^+ \mu^-$ and $B^0 \rightarrow \mu^+ \mu^-$ decays in CMS**

*Thursday, 26 July 2012 12:00 (25 minutes)*

**Presenter:** TINTI, Gemma (University of Kansas (US))

**Session Classification:** B physics 2

Contribution ID: 36

Type: **not specified**

## Status and latest results from NA62

*Thursday, 26 July 2012 14:00 (30 minutes)*

**Presenter:** CENCI, Patrizia (Sezione INFN di Perugia (IT))

**Session Classification:** Strange and Charm physics

Contribution ID: 37

Type: **not specified**

## **X-ray spectroscopy of light kaonic atoms - new results and perspectives**

*Thursday, 26 July 2012 14:35 (25 minutes)*

**Presenter:** MARTON, Johann (Austrian Academy Of Sciences (AT))

**Session Classification:** Strange and Charm physics

Contribution ID: **38**

Type: **not specified**

## **Study of hyperons with CLAS and CLAS12**

*Thursday, 26 July 2012 15:05 (25 minutes)*

**Presenter:** PASYUK, Eugene (Jefferson Laboratory (US))

**Session Classification:** Strange and Charm physics

Contribution ID: 39

Type: **not specified**

## Charmonium results from BaBar

*Thursday, 26 July 2012 16:05 (25 minutes)*

**Presenter:** KASS, Richard (Ohio State University (US))

**Session Classification:** Strange and Charm physics

Contribution ID: 40

Type: **not specified**

## **Review of charm physics at BESIII**

*Thursday, 26 July 2012 16:35 (25 minutes)*

**Presenter:** LI, Hai-Bo (Institute of High Energy Physics (CN))

**Session Classification:** Strange and Charm physics



Contribution ID: 41

Type: **not specified**

## **Rare kaon decay measurements with NA62 minimum bias data**

*Thursday, 26 July 2012 17:05 (25 minutes)*

**Presenter:** PODOLSKY, Sergey (UCL (Louvain-la-Neuve) (BE))

**Session Classification:** Strange and Charm physics

Contribution ID: 42

Type: **not specified**

## Recent results from NA48 and prospects

*Thursday, 26 July 2012 17:35 (30 minutes)*

**Presenter:** LAZZERONI, Cristina (University of Birmingham (GB))

**Session Classification:** Strange and Charm physics

Contribution ID: 43

Type: **not specified**

## Project-X at Fermilab

*Friday, 27 July 2012 09:00 (25 minutes)*

**Presenter:** NORMAN, Andrew (Fermilab (US))

**Session Classification:** Future Projects

Contribution ID: 44

Type: **not specified**

## **Status and Prospects of J-PARC KOTO Experiment**

*Friday, 27 July 2012 09:30 (25 minutes)*

**Presenter:** IWAI, Eito (Osaka University (JP))

**Session Classification:** Future Projects

Contribution ID: 45

Type: **not specified**

## **ORKA, The Golden Kaon Experiment: Precision measurement of $K^+ \rightarrow \pi^+, \nu, \bar{\nu}$ and other ultra-rare processes.**

*Friday, 27 July 2012 10:00 (25 minutes)*

**Presenter:** WORCESTER, Elizabeth (Brookhaven National Laboratory (US))

**Session Classification:** Future Projects

Contribution ID: 46

Type: **not specified**

## **Status of the Super B project.**

*Friday, 27 July 2012 11:00 (25 minutes)*

**Presenter:** RAMA, Matteo (Laboratori Nazionali Di Frascati - INFN (IT))

**Session Classification:** Future Projects

Contribution ID: 47

Type: **not specified**

## **A New High-Sensitivity Muon-Electron Conversion Search at Fermilab**

*Friday, 27 July 2012 11:30 (25 minutes)*

**Presenter:** NORMAN, Andrew (Fermilab (US))

**Session Classification:** Future Projects

Contribution ID: 48

Type: **not specified**

## Latest results from the Mu-e-gamma experiment

**Presenter:** DE GERONE, Matteo (INFN Genova (IT))



Contribution ID: 49

Type: **not specified**

## **Bottomonium with a Kratzer molecular potential**

*Friday, 27 July 2012 14:05 (25 minutes)*

**Presenter:** DE SOUZA, Mario (Universidade Federal De Sergipe (BR))

**Session Classification:** QCD session

Contribution ID: 50

Type: **not specified**

## **COMPASS experiment at CERN: hadron spectroscopy and open charm results**

*Friday, 27 July 2012 14:30 (25 minutes)*

**Presenter:** KOUZNETSOV, Oleg (Joint Inst. for Nuclear Research (RU))

**Session Classification:** QCD session

Contribution ID: 51

Type: **not specified**

## The $N^*$ Program at CLAS12

*Friday, 27 July 2012 15:00 (25 minutes)*

**Presenter:** COLE, Philip (Idaho State University (US))

**Session Classification:** QCD session

Contribution ID: 52

Type: **not specified**

## **Precision tests of QCD at HERA**

*Friday, 27 July 2012 15:30 (25 minutes)*

**Presenter:** BRINKMANN, Martin (DESY (DE))

**Session Classification:** QCD session

Contribution ID: 53

Type: **not specified**

## **Weak hadronic matrix elements from lattice QCD.**

*Friday, 27 July 2012 16:30 (25 minutes)*

**Presenter:** EL-KHADRA, Aida (University of Illinois (US))

**Session Classification:** QCD session

Contribution ID: 54

Type: **not specified**

## **Excited charmonium spectroscopy from lattice QCD**

*Friday, 27 July 2012 17:00 (25 minutes)*

**Presenter:** THOMAS, Christopher (Trinity College Dublin)

**Session Classification:** QCD session

Contribution ID: 55

Type: **not specified**

## **Final State Interactions and Polarization Observables in the Reaction $pp \rightarrow pK\Lambda$**

*Friday, 27 July 2012 17:30 (25 minutes)*

**Presenter:** ROEDER, Matthias (Forschungszentrum Juelich (DE))

**Session Classification:** QCD session

Contribution ID: 56

Type: **not specified**

## Status and latest results from MIPP

*Saturday, 28 July 2012 09:30 (25 minutes)*

**Presenter:** MEYER, Holger (Wichita State University (US))

**Session Classification:** Closing session



Contribution ID: 57

Type: **not specified**

## **IceCube, DeepCore and PINGU**

*Wednesday, 25 July 2012 12:30 (25 minutes)*

**Presenter:** COWEN, Douglas (Penn State (US))

**Session Classification:** Heavy Ions and more

Contribution ID: 58

Type: **not specified**

## Conference summary

*Saturday, 28 July 2012 10:30 (1 hour)*

**Presenter:** LAZZERONI, Cristina (University of Birmingham (GB))

**Session Classification:** Closing session

Contribution ID: 59

Type: **not specified**

## Conclusion

*Saturday, 28 July 2012 11:30 (5 minutes)*

**Presenter:** BOZZO, Marco (Univ. of Genova and INFN-Genova (IT))

**Session Classification:** Closing session

Contribution ID: **60**

Type: **not specified**

## **Recent results from Belle on hadron spectroscopy**

*Saturday, 28 July 2012 09:00 (25 minutes)*

**Presenter:** WANG, Xiaolong (Virginia Tech (US))

**Session Classification:** Closing session

Contribution ID: **61**

Type: **not specified**

## **Searches for the Higgs Boson at CDF using the full Run-II dataset**

*Monday, 23 July 2012 16:10 (25 minutes)*

**Presenter:** STANCARI, Michelle (Fermi National Accelerator Laboratory (US))

**Session Classification:** Higgs session

Contribution ID: 63

Type: **not specified**

## **Black Holes, Information, and Gravity**

*Thursday, 26 July 2012 18:10 (45 minutes)*

**Presenter:** WINSTON, Roland (University of California, Merced (US))