

**BEACH 2016 - XII**  
**International Conference on**  
**Hyperons, Charm and Beauty**  
**Hadrons**

**Report of Contributions**

Contribution ID: 1

Type: **not specified**

## **Double Charmonium production at LHC**

**Primary author:** LUCHINSKII, Aleksei (Institute for High Energy Physics (RU))

**Presenter:** LUCHINSKII, Aleksei (Institute for High Energy Physics (RU))

Contribution ID: 2

Type: **not specified**

## “Cosmic Ray Muons in the Standard Model of Fundamental Particles”

**Primary author:** BARAZANDEH, Cioli

**Presenter:** BARAZANDEH, Cioli

Contribution ID: 3

Type: **not specified**

## **Neutral B-meson mixing and CP Violation at LHCb**

**Presenter:** OBLAKOWSKA-MUCHA, Agnieszka (AGH University of Science and Technology (PL))

Contribution ID: 4

Type: **not specified**

## Welcome

**Primary author:** RUBIN, Philip David (George Mason University (US))

**Presenter:** RUBIN, Philip David (George Mason University (US))

Contribution ID: 5

Type: **not specified**

## **The Study of Two (Anti-)proton Interaction via Correlation Measurement**

**Primary author:** ZHANG, Zhengqiao (Brookhaven National Lab)

**Presenter:** ZHANG, Zhengqiao (Brookhaven National Lab)

Contribution ID: 6

Type: **not specified**

## **Measurement of W- and Z-boson production in p-Pb collisions with ALICE at the LHC**

**Primary author:** ZHU, Jianhui (Central China Normal University CCNU (CN))

**Presenter:** ZHU, Jianhui (Central China Normal University CCNU (CN))

Contribution ID: 7

Type: **not specified**

## **Production of exotic and conventional quarkonia and open beauty/open charm at ATLAS**

**Primary author:** BINI, Cesare (Universita di Roma I "La Sapienza")

**Presenter:** BINI, Cesare (Universita di Roma I "La Sapienza")



Contribution ID: 9

Type: **not specified**

## **Production asymmetries of b and c hadrons at LHCb**

**Primary author:** FERRARI, Fabio (University of Bologna and INFN (IT))

**Presenter:** FERRARI, Fabio (University of Bologna and INFN (IT))

Contribution ID: **10**

Type: **not specified**

## **Measurement of open heavy-flavour production with ALICE at the LHC**

**Primary author:** DE, Sudipan (Universidade de Sao Paulo (BR))

**Presenter:** DE, Sudipan (Universidade de Sao Paulo (BR))

Contribution ID: 11

Type: **not specified**

## **Heavy flavour production in p-p and p-Pb collisions**

**Primary author:** SZUMLAK, Tomasz (AGH University of Science and Technology (PL))

**Presenter:** SZUMLAK, Tomasz (AGH University of Science and Technology (PL))

Contribution ID: 12

Type: **not specified**

## **Recent Heavy Flavor Measurements from PHENIX at RHIC**

**Primary author:** HASELER, Tristan (Georgia State University)

**Presenter:** HASELER, Tristan (Georgia State University)

Contribution ID: 13

Type: **not specified**

## Searches for heavy quark states at ATLAS

**Primary author:** CHENG, Hok Chuen (University of Michigan (US))

**Presenter:** CHENG, Hok Chuen (University of Michigan (US))

Contribution ID: 14

Type: **not specified**

## **Search for Scalar Top-Quark Production in the all Hadronic Channel at 13 TeV**

**Primary author:** NORBERG, Scarlet Rachel (University of Puerto Rico Department of Physics (PR))

**Presenter:** NORBERG, Scarlet Rachel (University of Puerto Rico Department of Physics (PR))

Contribution ID: 15

Type: **not specified**

## **The KLOE-2 experiment at DAFNE**

**Primary author:** DE SANTIS, Antonio (INFN - LNF)

**Presenter:** DE SANTIS, Antonio (INFN - LNF)

Contribution ID: 16

Type: **not specified**

## Status of Pion Decay Experiments

**Primary author:** NUMAO, Toshio (TRIUMF)

**Presenter:** NUMAO, Toshio (TRIUMF)



Contribution ID: 17

Type: **not specified**

## Charm Physics at BESIII

**Primary author:** WEIDENKAFF, Peter Klaus Martin (Physikalisches Institut-Ruprecht-Karls-Universitaet Heidelberg-U)

**Presenter:** WEIDENKAFF, Peter Klaus Martin (Physikalisches Institut-Ruprecht-Karls-Universitaet Heidelberg-U)

Contribution ID: **18**

Type: **not specified**

## **Recent results on Lambda\_c decays at BESIII**

**Presenter:** KE, Bai Chan (xx)

Contribution ID: 19

Type: **not specified**

## **Baryonic B decays at LHCb**

**Primary author:** HUTCHCROFT, David (University of Liverpool (GB))

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

Contribution ID: 20

Type: **not specified**

## Recent selected results from Belle

**Presenter:** KING, Zachary

Contribution ID: 21

Type: **not specified**

## **Charmless b-meson and b-baryon decays at LHCb**

**Primary author:** NASTEVA, Irina (Federal University of of Rio de Janeiro (BR))

**Presenter:** NASTEVA, Irina (Federal University of of Rio de Janeiro (BR))

Contribution ID: 22

Type: **not specified**

## **Radiative decays at LHCb**

**Primary author:** BELLEE, Violaine (Ecole Polytechnique Federale de Lausanne (CH))

**Presenter:** BELLEE, Violaine (Ecole Polytechnique Federale de Lausanne (CH))

Contribution ID: 23

Type: **not specified**

## **Rare and semi-rare B meson decays at ATLAS**

**Primary author:** DE SANCTIS, Umberto (University of Milano)

**Presenter:** DE SANCTIS, Umberto (University of Milano)

Contribution ID: 24

Type: **not specified**

## **Semileptonic asymmetries in B decays**

**Primary author:** WIMBERLEY, Jack (University of Maryland (US))

**Presenter:** WIMBERLEY, Jack (University of Maryland (US))



Contribution ID: 25

Type: **not specified**

## **Effects of scalar leptoquarks in $b \rightarrow s$ mediated rare B decays**

**Primary author:** MOHANTA, Rukmani (University of Hyderabad)

**Presenter:** MOHANTA, Rukmani (University of Hyderabad)

Contribution ID: 26

Type: **not specified**

## **Study of rare B decays at BABAR**

**Primary author:** CHEAIB, Racha (University of Mississippi)

**Presenter:** CHEAIB, Racha (University of Mississippi)

Contribution ID: 27

Type: **not specified**

## Rare decays at LHCb

**Primary author:** SILVA COUTINHO, Rafael (Universitaet Zuerich (CH))

**Presenter:** SILVA COUTINHO, Rafael (Universitaet Zuerich (CH))

Contribution ID: 28

Type: **not specified**

## **ATLAS 750 GeV Analysis**

**Presenter:** WANG, Fuquan (University of Wisconsin-Madison Department of Physics)

Contribution ID: 29

Type: **not specified**

## **The search for an electric dipole moment of the neutron at PSI**

**Primary author:** KREMPEL, Jochen (ETHZ - ETH Zurich)

**Presenter:** KREMPEL, Jochen (ETHZ - ETH Zurich)

Contribution ID: **30**

Type: **not specified**

## **Antihydrogen Studies in ALPHA**

**Primary author:** MADSEN, Niels (Swansea University (GB))

**Presenter:** MADSEN, Niels (Swansea University (GB))

Contribution ID: 31

Type: **not specified**

## **Latest (Anti-)Neutrino Oscillation Results from T2K**

**Presenter:** ZALIPSKA, Joanna

Contribution ID: 32

Type: **not specified**

## **Recent Results from the Daya Bay Reactor Neutrino Experiment**

**Primary author:** HUANG, En-Chuan

**Presenter:** HUANG, En-Chuan



Contribution ID: **33**

Type: **not specified**

## The DUNE Experiment

**Primary author:** ANKOWSKI, Artur (University of Wroclaw)

**Presenter:** ANKOWSKI, Artur (University of Wroclaw)

Contribution ID: 34

Type: **not specified**

## **Hadron Scattering, Resonances and QCD**

**Primary author:** BRICENO, Raul (Thomas Jefferson National Accelerator Facility)

**Presenter:** BRICENO, Raul (Thomas Jefferson National Accelerator Facility)

Contribution ID: 35

Type: **not specified**

## Charm mixing and CPV

**Primary author:** CARBONE, Angelo (University of Bologna and INFN (IT))

**Presenter:** CARBONE, Angelo (University of Bologna and INFN (IT))

Contribution ID: 37

Type: **not specified**

## **Mixing and CP violation in the B0 and B0s systems at ATLAS**

**Primary author:** BARTON, Adam Edward (Lancaster University (GB))

**Presenter:** BARTON, Adam Edward (Lancaster University (GB))

Contribution ID: **38**

Type: **not specified**

## **Higher order effects in $\epsilon'/\epsilon$**

**Presenter:** CERDA SEVILLA, Maria

Contribution ID: 39

Type: **not specified**

## Measurement of CPV gamma angle

**Primary author:** WHITEHEAD, Mark Peter (CERN)

**Presenter:** WHITEHEAD, Mark Peter (CERN)

Contribution ID: 40

Type: **not specified**

## **Hadron Spectroscopy, Exotics, and Bc Physics at LHCb**

**Primary author:** DEY, Biplab (INFN Milano)

**Presenter:** DEY, Biplab (INFN Milano)

Contribution ID: 41

Type: **not specified**

## **Light hadron Spectroscopy and XYZ states at BESIII**

**Primary author:** PELIZAEUS, Marc (Ruhr-Universitaet Bochum, Germany)

**Presenter:** PELIZAEUS, Marc (Ruhr-Universitaet Bochum, Germany)



Contribution ID: 42

Type: **not specified**

## **Modeling new XYZ states at JPAC**

**Primary author:** Dr PILLONI, Alessandro (Jefferson Lab)

**Presenter:** Dr PILLONI, Alessandro (Jefferson Lab)

Contribution ID: 43

Type: **not specified**

## **Implications of Lepton nonuniversality in Flavor sector**

**Primary author:** GIRI, Anjan (IIT Hyderabad)

**Presenter:** GIRI, Anjan (IIT Hyderabad)

Contribution ID: 44

Type: **not specified**

## **Searches for lepton number violation and resonances in the $K^{+-} \rightarrow \pi \mu \mu$ decays at the NA48/2 experiment**

**Primary author:** LAZZERONI, Cristina (University of Birmingham (GB))

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

Contribution ID: 45

Type: **not specified**

## **Test of Lepton Flavour Universality with B decays**

**Primary author:** HAMILTON, Brian (University of Maryland (US))

**Presenter:** HAMILTON, Brian (University of Maryland (US))

Contribution ID: 46

Type: **not specified**

## **On the Standard Model predictions for $R_K$ and $R_{K^*}$**

**Primary author:** PATTORI, Andrea (University of Zurich)

**Presenter:** PATTORI, Andrea (University of Zurich)

Contribution ID: 48

Type: **not specified**

## **Charged Particle Backgrounds in a Possible KL $\rightarrow$ $\pi^0$ $\nu \nu$ Experiment at CERN**

**Primary author:** BRADLEY, Austin Logan (Massachusetts Inst. of Technology (US))

**Presenter:** BRADLEY, Austin Logan (Massachusetts Inst. of Technology (US))

Contribution ID: 49

Type: **not specified**

## **Recent BABAR results on mixing and CP violation in the charm sector**

**Primary author:** PILLONI, Alessandro (Jefferson Lab)

**Presenter:** PILLONI, Alessandro (Jefferson Lab)

Contribution ID: 50

Type: **not specified**

## **Kaonic atoms and strangeness in nuclei: SIDDHARTA-2 and AMADEUS experiments**

**Primary author:** ILIESCU, Mihail Antoniu (I)

**Presenter:** ILIESCU, Mihail Antoniu (I)



Contribution ID: 51

Type: **not specified**

## **Neutral pion form factor measurement by the NA62 experiment**

**Primary author:** CENCI, Patrizia (INFN Perugia (IT))

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

Contribution ID: 52

Type: **not specified**

## **Measurement of the pion form factor in the rho-peak region relevant for $(g-2)_\mu$**

**Presenter:** REDMER, Christoph Florian

Contribution ID: 53

Type: **not specified**

## **Low-energy hadronic cross sections measurements at BABAR, and implication for the $g-2$ of the muon**

**Primary author:** Prof. MCKENNA, Janis (University of British Columbia)

**Presenter:** Prof. MCKENNA, Janis (University of British Columbia)

Contribution ID: 54

Type: **not specified**

## The Muon g-2 Experiment

**Primary author:** HOLZBAUER, Jenny Lyn (Mississippi University (US))

**Presenter:** HOLZBAUER, Jenny Lyn (Mississippi University (US))

Contribution ID: 55

Type: **not specified**

## **The PADME experiment at LNF**

**Primary author:** FIORE, Salvatore

**Presenter:** FIORE, Salvatore

Contribution ID: 56

Type: **not specified**

## Dark sector searches at Jefferson Laboratory

**Primary author:** CELENTANO, Andrea (Universita e INFN Genova (IT))

**Presenter:** CELENTANO, Andrea (Universita e INFN Genova (IT))

Contribution ID: 57

Type: **not specified**

## **Physics Opportunity with an Electron-Ion Collider**

**Primary author:** ROSSI, Patrizia (Jefferson Lab)

**Presenter:** ROSSI, Patrizia (Jefferson Lab)

Contribution ID: 58

Type: **not specified**

## **Charm and beauty production at an Electron-Ion Collider**

**Primary author:** WEISS, Christian (Jefferson Lab)

**Presenter:** WEISS, Christian (Jefferson Lab)



Contribution ID: 59

Type: **not specified**

## **The PANDA Experiment At FAIR**

**Presenter:** IKEGAMI ANDERSSON, Walter

Contribution ID: **60**

Type: **not specified**

## **Belle II Physics prospects, status, schedule**

**Primary author:** BENNETT, Jake

**Presenter:** BENNETT, Jake

Contribution ID: **61**

Type: **not specified**

## **Belle II PID systems**

**Primary author:** SANDILYA, Saurabh (Tata Institute of Fundamental Research)

**Presenter:** SANDILYA, Saurabh (Tata Institute of Fundamental Research)

Contribution ID: 62

Type: **not specified**

## Search for $K^+$ to $\pi^+$ $\nu$ $\nu$ at NA62

**Primary author:** PERRIN-TERRIN, Mathieu (CPPM, Aix-Marseille Université, CNRS/IN2P3, Marseille, France)

**Presenter:** PERRIN-TERRIN, Mathieu (CPPM, Aix-Marseille Université, CNRS/IN2P3, Marseille, France)

Contribution ID: 63

Type: **not specified**

## **Prospects for Measuring BR(KL -> pi0 nu nu) at the CERN SPS**

**Primary author:** RUBIN, Philip David (George Mason University (US))

**Presenter:** RUBIN, Philip David (George Mason University (US))

Contribution ID: **64**

Type: **not specified**

## Conference Summary

**Primary author:** SCHWARTZ, Alan (University of Cincinnati)

**Presenter:** SCHWARTZ, Alan (University of Cincinnati)