

# **International Symposium on Neutrino Physics and Beyond**

## **Report of Contributions**

Contribution ID: 48

Type: **not specified**

## Registration

Contribution ID: 49

Type: **not specified**

# Welcome

**Presenter:** Mr HU, Tony (IHEP)

Contribution ID: 50

Type: **not specified**

## **CP violation and leptogenesis**

**Primary author:** PETCOV, Serguey

Contribution ID: 51

Type: **not specified**

## Registration

Contribution ID: 52

Type: **not specified**

## Welcome Remark

*Sunday, 23 September 2012 08:30 (10 minutes)*

**Presenter:** Prof. WANG, Yifang (IHEP)

**Session Classification:** Neutrino Properties I

Contribution ID: 53

Type: **not specified**

## Welcome Remark

*Sunday, 23 September 2012 08:40 (10 minutes)*

**Presenter:** Dr KIRBY, Kate (APS)

**Session Classification:** Neutrino Properties I

Contribution ID: 54

Type: **not specified**

## **CP violation and leptogenesis**

*Monday, 24 September 2012 12:10 (30 minutes)*

**Presenter:** Prof. PETCOV, Serguey (SISSA and INFN)

**Session Classification:** Geo & Astronomical Neutrinos



Contribution ID: 55

Type: **not specified**

## **Physics of neutrino oscillation experiments in the near future**

*Sunday, 23 September 2012 18:00 (30 minutes)*

**Presenter:** Dr HAGIWARA, Kaoru (KEK)

**Session Classification:** Neutrino Properties IV

Contribution ID: 56

Type: **not specified**

## **SU(3) Family Model for Neutrino Masses and Mixing**

*Sunday, 23 September 2012 09:50 (30 minutes)*

**Presenter:** Prof. WU, Yueliang (KITPC-CAS)

**Session Classification:** Neutrino Properties I

Contribution ID: 57

Type: **not specified**

## **Global three-neutrino data analyses: Status and Prospects**

*Sunday, 23 September 2012 08:50 (30 minutes)*

**Presenter:** Dr LISI, Eligio (INFN, Bari, Italy)

**Session Classification:** Neutrino Properties I

Contribution ID: 58

Type: **not specified**

## Results from T2K

*Sunday, 23 September 2012 14:00 (30 minutes)*

**Presenter:** Dr SUZUKI, Atsumu (Kobe University)

**Session Classification:** Neutrino Properties III

Contribution ID: 59

Type: **not specified**

## **The Latest MINOS Results**

*Sunday, 23 September 2012 14:30 (30 minutes)*

**Presenter:** Mr QIU, Xinjie (Stanford University)

**Session Classification:** Neutrino Properties III

Contribution ID: **60**

Type: **not specified**

## **Opera**

*Sunday, 23 September 2012 15:00 (30 minutes)*

**Presenter:** Prof. EREDITATO, Antonio (University of Bern)

**Session Classification:** Neutrino Properties III

Contribution ID: **61**

Type: **not specified**

## **Results of MiniBooNE Experiment**

*Sunday, 23 September 2012 15:30 (30 minutes)*

**Presenter:** Dr DJURCIC, Zelimir (Argonne National Laboratory)

**Session Classification:** Neutrino Properties III

Contribution ID: 62

Type: **not specified**

## **The hadroproduction experiment NA61 for present and future projects**



Contribution ID: 63

Type: **not specified**

## **Last results from the Double Chooz experiment**

*Sunday, 23 September 2012 16:30 (30 minutes)*

**Presenter:** Dr DE KERRET, Hervé (APC Paris)

**Session Classification:** Neutrino Properties IV

Contribution ID: 64

Type: **not specified**

## **Observation of Electron-Antineutrino Disappearance at Daya Bay**

*Sunday, 23 September 2012 17:00 (30 minutes)*

**Presenter:** Mr ZHAN, Liang (IHEP)

**Session Classification:** Neutrino Properties IV

Contribution ID: 65

Type: **not specified**

## **The KATRIN neutrino mass experiment**

*Sunday, 23 September 2012 11:30 (30 minutes)*

**Presenter:** Dr WOLF, Joachim (Karlsruhe Institute of Technology, IEKP)

**Session Classification:** Neutrino Properties II

Contribution ID: **66**

Type: **not specified**

## Reception

Contribution ID: 67

Type: **not specified**

## Neutrinoless Double Beta Decay: Neutrinos and beyond

*Monday, 24 September 2012 08:30 (25 minutes)*

**Presenter:** Dr RODEJOHANN, Werner (MPIK, Heidelberg)

**Session Classification:** Double Beta Decays

Contribution ID: **68**

Type: **not specified**

## **Recent Results from EXO-200**

*Wednesday, 26 September 2012 11:10 (25 minutes)*

**Presenter:** Mr O'SULLIVAN, Kevin (Stanford University)

**Session Classification:** Close Session

Contribution ID: **69**

Type: **not specified**

## **KamLAND-Zen double beta decay experiment**

*Monday, 24 September 2012 08:55 (25 minutes)*

**Presenter:** Dr KOGA, Masayuki (RCNS Tohoku Univ.)

**Session Classification:** Double Beta Decays

Contribution ID: 70

Type: **not specified**

## **Status of the CUORE-0 and CUORE experiments**

*Monday, 24 September 2012 09:20 (25 minutes)*

**Presenter:** Dr CREMONESI, Oliviero (INFN)

**Session Classification:** Double Beta Decays



Contribution ID: 71

Type: **not specified**

## **LUCIFER: scintillating bolometers for the search of double beta decay**

*Monday, 24 September 2012 09:45 (25 minutes)*

**Presenter:** Dr VIGNATI, Marco (INFN Sezione di Roma)

**Session Classification:** Double Beta Decays

Contribution ID: 72

Type: **not specified**

## **The COBRA Experiment - Search for the neutrinoless double beta decay with CdZnTe detectors**

**Presenter:** Ms RAJEK, Silke (TU Dortmund, Germany)

Contribution ID: 73

Type: **not specified**

## Neutrino Mass Limits from Cosmology

*Monday, 24 September 2012 10:30 (25 minutes)*

**Presenter:** Prof. EVSLIN, Jarah (Institute of High Energy Physics, Chinese Academy of Sciences)

**Session Classification:** Geo & Astronomical Neutrinos

Contribution ID: 74

Type: **not specified**

## **Neutrino masses from extensions of the Standard Model**

*Sunday, 23 September 2012 11:00 (30 minutes)*

**Presenter:** Dr CAO, Fu-Guang (Massey University)

**Session Classification:** Neutrino Properties II

Contribution ID: 75

Type: **not specified**

## **Geoneutrinos and the composition of the Earth**

*Monday, 24 September 2012 10:55 (25 minutes)*

**Presenter:** Prof. MCDONOUGH, William (University of Maryland)

**Session Classification:** Geo & Astronomical Neutrinos

Contribution ID: 76

Type: **not specified**

## **Geoneutrinos and the radioactive power of the Earth**

**Presenter:** Prof. DYE, Stephen (Hawaii Pacific University)

Contribution ID: 77

Type: **not specified**

## **Results and future perspectives of Borexino**

*Monday, 24 September 2012 11:20 (25 minutes)*

**Presenter:** Dr RANUCCI, Gioacchino (Istituto Nazionale di Fisica Nucleare)

**Session Classification:** Geo & Astronomical Neutrinos

Contribution ID: 78

Type: **not specified**

## **Tour to Dayabay**

*Monday, 24 September 2012 14:00 (4 hours)*



Contribution ID: 79

Type: **not specified**

## **Xenon100**

*Tuesday, 25 September 2012 08:30 (25 minutes)*

**Presenter:** Dr NI, Kaixuan (Shanghai Jiao Tong University)

**Session Classification:** Dark Matter Searches I

Contribution ID: **80**

Type: **not specified**

## **PANDA X**

*Tuesday, 25 September 2012 08:55 (25 minutes)*

**Presenter:** Mr JI, Xiangdong (Shanghai Jiaotong University)

**Session Classification:** Dark Matter Searches I

Contribution ID: **81**

Type: **not specified**

## **CsI(Na) Dark Matter Search Experiment**

*Tuesday, 25 September 2012 09:20 (25 minutes)*

**Presenter:** Mr SUN, Xilei (IHEP,China)

**Session Classification:** Dark Matter Searches I

Contribution ID: **82**

Type: **not specified**

## **The XMASS 800kg Experiment**

*Tuesday, 25 September 2012 09:45 (25 minutes)*

**Presenter:** Dr LIU, Jing (Kavli IPMU, University of Tokyo)

**Session Classification:** Dark Matter Searches I

Contribution ID: 83

Type: **not specified**

## **Low Energy Neutrino Physics and Dark Matter Searches with sub-keV Germanium Detectors**

*Tuesday, 25 September 2012 10:10 (25 minutes)*

**Presenter:** Prof. WONG, Henry (Academia Sinica)

**Session Classification:** Dark Matter Searches I

Contribution ID: **84**

Type: **not specified**

## **Darkside**

*Tuesday, 25 September 2012 11:00 (25 minutes)*

**Presenter:** Mr XU, Jingke (Princeton University)

**Session Classification:** Dark Matter Searches II

Contribution ID: 85

Type: **not specified**

## **Dark matter searches with the CUORE experiment**

*Tuesday, 25 September 2012 11:25 (25 minutes)*

**Presenter:** Mr BELLINI, Fabio (Sapienza University of Rome and INFN Rome)

**Session Classification:** Dark Matter Searches II

Contribution ID: **86**

Type: **not specified**

## **Dark Matter searches by DEAP-3600 in SNOLAB**

*Tuesday, 25 September 2012 11:50 (25 minutes)*

**Presenter:** Dr TANG, Jian (University of Alberta, Canada)

**Session Classification:** Dark Matter Searches II



Contribution ID: 87

Type: **not specified**

## **Cosmic Ray Physics with AMS-02 on the International Space Station**

*Tuesday, 25 September 2012 14:00 (25 minutes)*

**Presenter:** Prof. ROBERTO, Battiston (INFN & Univ. of Perugia)

**Session Classification:** Cosmic Ray Physics

Contribution ID: 88

Type: **not specified**

## **High Energy Cosmic Radiation Detection Facility Onboard China's Future Space Station**

*Tuesday, 25 September 2012 14:25 (25 minutes)*

**Presenter:** Prof. ZHANG, Shuang-Nan (Center for Particle Astrophysics & IHEP)

**Session Classification:** Cosmic Ray Physics

Contribution ID: 89

Type: **not specified**

## **A Multi-purpose Cosmic Ray Experiment: The LHAASO Project**

*Tuesday, 25 September 2012 14:50 (25 minutes)*

**Presenter:** Prof. CAO, Zhen (Institute of High Energy Physics)

**Session Classification:** Cosmic Ray Physics

Contribution ID: **90**

Type: **not specified**

## **The PAMELA experiment for cosmic-ray measurements**

*Tuesday, 25 September 2012 15:15 (25 minutes)*

**Presenter:** Dr NICOLA, Mori (INFN Florence)

**Session Classification:** Cosmic Ray Physics

Contribution ID: 91

Type: **not specified**

## **The Tianshan Radio Experiment for Neutrino Detection status and perspectives**

*Tuesday, 25 September 2012 15:40 (25 minutes)*

**Presenter:** Mr MARTINEAU-HUYNH, Olivier (IN2P3)

**Session Classification:** Cosmic Ray Physics

Contribution ID: 92

Type: **not specified**

## **The R&D of Microchannel-Plate-Based Large Area Photomultiplier (MCP-PMT) at IHEP**

*Tuesday, 25 September 2012 17:25 (25 minutes)*

**Presenter:** Dr QIAN, Sen (Institute of High Energy Physics , Chinese Academy of Sciences)

**Session Classification:** Future Projects I

Contribution ID: 93

Type: **not specified**

## Liquid Scintillators for Daya Bay Neutrino Experiment

*Tuesday, 25 September 2012 17:50 (25 minutes)*

**Presenter:** Dr DING, Yayun (Institute of High Energy Physics, Chinese Academy of Sciences)

**Session Classification:** Future Projects I

Contribution ID: 94

Type: **not specified**

## **Some ideas about a future 1t germanium experiment**

*Tuesday, 25 September 2012 12:15 (25 minutes)*

**Presenter:** Dr ABT, Iris (MPI)

**Session Classification:** Dark Matter Searches II



Contribution ID: 95

Type: **not specified**

# Highly Intense Muon Source for Neutrino and Muon Physics

*Tuesday, 25 September 2012 16:30 (25 minutes)*

**Presenter:** Prof. KUNO, Yoshitaka (Osaka University)

**Session Classification:** Future Projects I

Contribution ID: 96

Type: **not specified**

## Status of LBNE

*Wednesday, 26 September 2012 08:30 (30 minutes)*

**Presenter:** GOODMAN, Maury (Argonne)

**Session Classification:** Future Projects II

Contribution ID: 97

Type: **not specified**

## **DAEdALUS/IsoDAR**

*Wednesday, 26 September 2012 09:00 (30 minutes)*

**Presenter:** Dr DJURCIC, Zelimir (Argonne National Laboratory)

**Session Classification:** Future Projects II

Contribution ID: **98**

Type: **not specified**

## **LAGUNA-LBNO: status and plans**

*Wednesday, 26 September 2012 09:30 (40 minutes)*

**Presenter:** Prof. RUBBIA, Andre (ETH Zurich)

**Session Classification:** Future Projects II

Contribution ID: 99

Type: **not specified**

## European Strategy

**Presenter:** Prof. KATSANEVAS, stavros (IN2P3/CNRS)

Contribution ID: **100**

Type: **not specified**

## **India-Based neutrino Observatory (INO) Project**

*Wednesday, 26 September 2012 10:10 (30 minutes)*

**Presenter:** Prof. MONDAL, Naba Kumar (Tata Institute of Fundamental Research)

**Session Classification:** Future Projects II

Contribution ID: **101**

Type: **not specified**

## **Daya Bay II**

*Tuesday, 25 September 2012 16:55 (30 minutes)*

**Presenter:** Prof. CAO, Jun (Institute of High Energy Physics)

**Session Classification:** Future Projects I

Contribution ID: **102**

Type: **not specified**

## **Summary: Prospects of neutrino physics**

*Wednesday, 26 September 2012 11:35 (30 minutes)*

**Presenter:** Prof. WOJCICKI, Stanley (Stanford University)

**Session Classification:** Close Session



Contribution ID: **103**

Type: **not specified**

## **Phenomenology of Light Sterile Neutrinos**

*Sunday, 23 September 2012 09:20 (30 minutes)*

**Presenter:** Dr GIUNTI, Carlo (INFN)

**Session Classification:** Neutrino Properties I

Contribution ID: **104**

Type: **not specified**

## **Testing radiative neutrino mass models at the LHC**

*Sunday, 23 September 2012 17:30 (30 minutes)*

**Primary author:** Prof. VOLKAS, Raymond (The University of Melbourne)

**Presenter:** Prof. VOLKAS, Raymond (The University of Melbourne)

**Session Classification:** Neutrino Properties IV

Contribution ID: **105**

Type: **not specified**

# Highlights of the European Strategy for Particle Physics

*Monday, 24 September 2012 11:45 (25 minutes)*

**Primary author:** MASIERO, Antonio (INFN)

**Presenter:** MASIERO, Antonio (INFN)

**Session Classification:** Geo & Astronomical Neutrinos