

**”Astroparticle and
Underground Experiments” at
11th ICATPP Conference**

Report of Contributions

Contribution ID: 0

Type: **not specified**

Recent results from the ANTARES experiment

Tuesday, 6 October 2009 14:30 (20 minutes)

Primary author: VECCHI, Manuela (Università di Roma "Sapienza" and INFN)

Presenter: VECCHI, Manuela (Università di Roma "Sapienza" and INFN)

Session Classification: "Astroparticle and Underground Experiments" Parallel 1a

Contribution ID: 1

Type: **not specified**

Calibration of the ANTARES neutrino telescope

Tuesday, 6 October 2009 14:50 (20 minutes)

Primary author: FRITSCH, Ulf (ECAP Univ. Erlangen-Nuremberg, Germany)

Presenter: FRITSCH, Ulf (ECAP Univ. Erlangen-Nuremberg, Germany)

Session Classification: "Astroparticle and Underground Experiments" Parallel 1a

Contribution ID: 2

Type: **not specified**

High Efficiency Large Volume Multiparametric Neutron Detector for Nuclear Physics and Nuclear Astrophysics Measurements

Primary author: LAVAGNO, Andrea (Politecnico di Torino, Dipartimento di Fisica, Italy)

Presenter: LAVAGNO, Andrea (Politecnico di Torino, Dipartimento di Fisica, Italy)

Contribution ID: 3

Type: **not specified**

Overview of Nuclear Compton Telescope

Primary author: LIU, Zong-Kai (National Central University, Taoyuan County, TAIWAN)

Presenter: LIU, Zong-Kai (National Central University, Taoyuan County, TAIWAN)

Contribution ID: 4

Type: **not specified**

The OPERA experiment: a direct search of the nu_mu->nu_tau oscillations

Wednesday, 7 October 2009 12:30 (30 minutes)

Primary author: MARTEAU, Jacques (IPNL, Université de Lyon, France)

Presenter: MARTEAU, Jacques (IPNL, Université de Lyon, France)

Session Classification: "Astroparticle and Underground Experiments" Plenary 2

Contribution ID: 5

Type: **not specified**

The Borexino Detector

Thursday, 8 October 2009 15:10 (20 minutes)

Primary author: MONTANARI, David (Laboratori Nazionali del Gran Sasso, INFN, Italy)

Presenter: MONTANARI, David (Laboratori Nazionali del Gran Sasso, INFN, Italy)

Session Classification: "Astroparticle and Underground Experiments" Parallel 2a

Contribution ID: 6

Type: **not specified**

Cosmic ray physics with the OPERA detector

Thursday, 8 October 2009 14:50 (20 minutes)

Primary author: BRUGIÈRE, Timothée (Institut de Physique nucléaire de Lyon (IPNL), France)

Presenter: BRUGIÈRE, Timothée (Institut de Physique nucléaire de Lyon (IPNL), France)

Session Classification: "Astroparticle and Underground Experiments" Parallel 2a

Contribution ID: 7

Type: **not specified**

Search for Solar Axions with the CAST Experiment

Thursday, 8 October 2009 15:30 (20 minutes)

Primary author: GALAN, Javier (University of Zaragoza, Spain)

Presenter: GALAN, Javier (University of Zaragoza, Spain)

Session Classification: "Astroparticle and Underground Experiments" Parallel 2a

Contribution ID: 8

Type: **not specified**

From Cuoricino to CUORE, the bolometric way to the inverted hierarchy region of the neutrino mass

Wednesday, 7 October 2009 11:30 (30 minutes)

Primary author: NONES, Claudia (Universita' degli Studi dell'Insubria & INFN Milano-Bicocca, Italy)

Presenter: NONES, Claudia (Universita' degli Studi dell'Insubria & INFN Milano-Bicocca, Italy)

Session Classification: "Astroparticle and Underground Experiments" Plenary 2

Contribution ID: 9

Type: **not specified**

Relations between High Energy Astroparticle Physics, Cosmic Ray Physics and Space Situational Awareness

Thursday, 8 October 2009 09:50 (40 minutes)

Primary author: JANSEN, Frank (German Aerospace Center (DLR), Institute of Space Systems, Bremen, Germany)

Presenter: JANSEN, Frank (German Aerospace Center (DLR), Institute of Space Systems, Bremen, Germany)

Session Classification: "Astroparticle and Underground Experiments" Plenary 3

Contribution ID: 10

Type: **not specified**

Constraints to dark matter and cosmic rays propagation by the PAMELA space experiment

Thursday, 8 October 2009 08:30 (40 minutes)

Primary author: MARCELLI, Laura (INFN, Sezione of Roma Tor Vergata, Italy)

Presenter: SPARVOLI, Roberta (University of Rome Tor Vergata and INFN, Roma, Italy)

Session Classification: "Astroparticle and Underground Experiments" Plenary 3

Contribution ID: **11**

Type: **not specified**

Galactic Cosmic Rays Modulation for the AMS-02 mission

Thursday, 8 October 2009 09:10 (40 minutes)

Primary author: GRANDI, Davide (INFN Milano Bicocca, Italy)

Presenter: GRANDI, Davide (INFN Milano Bicocca, Italy)

Session Classification: "Astroparticle and Underground Experiments" Plenary 3

Contribution ID: 12

Type: **not specified**

Detection of solar neutrino events at very low energy.

Wednesday, 7 October 2009 11:00 (30 minutes)

Primary author: BELLINI, Gianpaolo (Universita' degli Studi e INFN, Milano, Italy)

Presenter: BELLINI, Gianpaolo (Universita' degli Studi e INFN, Milano, Italy)

Session Classification: "Astroparticle and Underground Experiments" Plenary 2

Contribution ID: 13

Type: **not specified**

Search for neutrino bursts from gravitational collapse of stars at the Baksan Underground Scintillation Telescope

Tuesday, 6 October 2009 15:30 (20 minutes)

Primary author: NOVOSELTSEV, Yury (Institute for Nuclear Research of Russian Academy of Sciences)

Presenter: NOVOSELTSEV, Yury (Institute for Nuclear Research of Russian Academy of Sciences)

Session Classification: "Astroparticle and Underground Experiments" Parallel 1a

Contribution ID: **14**

Type: **not specified**

Direct detection of Dark Matter particles

Wednesday, 7 October 2009 12:00 (30 minutes)

Primary author: BELLI, Pierluigi (INFN - Roma Tor Vergata, Italy)

Presenter: BELLI, Pierluigi (INFN - Roma Tor Vergata, Italy)

Session Classification: "Astroparticle and Underground Experiments" Plenary 2

Contribution ID: 15

Type: **not specified**

Cherenkov high energy Astrophysical Neutrino Astronomy

Tuesday, 6 October 2009 08:30 (40 minutes)

Primary author: MOSCOSO, Luciano (IRFU/SPP - CEA/Saclay)

Presenter: MOSCOSO, Luciano (IRFU/SPP - CEA/Saclay)

Session Classification: "Astroparticle and Underground Experiments" Plenary 1

Contribution ID: 16

Type: **not specified**

The AEgIS experiment (Antimatter Experiment: Gravity, Interferometry, Spectroscopy)

Thursday, 8 October 2009 16:30 (20 minutes)

Primary author: CANALI, Carlo (INFN - sez. Genova, Italy)

Presenter: CANALI, Carlo (INFN - sez. Genova, Italy)

Session Classification: "Astroparticle and Underground Experiments" Parallel 2b

Contribution ID: 17

Type: **not specified**

The PICASSO experiment: status and results

Thursday, 8 October 2009 17:10 (20 minutes)

Primary author: KUMARATUNGA, Sujeewa (Laboratoire René-J.-A.-Lévesque, Université de Montréal, Canada)

Presenter: KUMARATUNGA, Sujeewa (Laboratoire René-J.-A.-Lévesque, Université de Montréal, Canada)

Session Classification: "Astroparticle and Underground Experiments" Parallel 2b

Contribution ID: **18**

Type: **not specified**

Measurement of Radio Emission From Extensive air Showers

Tuesday, 6 October 2009 09:10 (40 minutes)

Presenter: HOERANDEL, Joerg (Department of Astrophysics - Radboud University Nijmegen - The Netherlands)

Session Classification: "Astroparticle and Underground Experiments" Plenary 1

Contribution ID: **19**

Type: **not specified**

The sound of neutrinos

Tuesday, 6 October 2009 09:50 (40 minutes)

Primary author: RICHARDT, Carsten (Erlangen Centre for Astroparticle Physics (ECAP), Germany)

Presenter: RICHARDT, Carsten (Erlangen Centre for Astroparticle Physics (ECAP), Germany)

Session Classification: "Astroparticle and Underground Experiments" Plenary 1

Contribution ID: 20

Type: **not specified**

The CNGS Facility: Performance and Operational Experience

Thursday, 8 October 2009 14:30 (20 minutes)

Primary author: GSCHWENDTNER, Edda (CERN, Switzerland)

Presenter: GSCHWENDTNER, Edda (CERN, Switzerland)

Session Classification: "Astroparticle and Underground Experiments" Parallel 2a

Contribution ID: **21**

Type: **not specified**

EXO-200 and R&D prospects

Thursday, 8 October 2009 16:50 (20 minutes)

Primary author: AUGER, Martin (LHEP, Bern University, Switzerland)

Presenter: AUGER, Martin (LHEP, Bern University, Switzerland)

Session Classification: "Astroparticle and Underground Experiments" Parallel 2b

Contribution ID: 22

Type: **not specified**

KM3NeT - a cubic-kilometre-scale deep water neutrino telescope for the Mediterranean Sea

Tuesday, 6 October 2009 15:10 (20 minutes)

Primary author: DE BONIS, Giulia (INFN Sezione di Pisa, Universita' di Pisa, Dipartimento di Fisica, Italy)

Presenter: DE BONIS, Giulia (INFN Sezione di Pisa, Universita' di Pisa, Dipartimento di Fisica, Italy)

Session Classification: "Astroparticle and Underground Experiments" Parallel 1a

Contribution ID: 23

Type: **not specified**

Design and Data Analysis Method of High Spectral Resolution Lidar for Atmospheric Monitoring in Ultra High Energy Cosmic Ray Experiments

Tuesday, 6 October 2009 16:50 (20 minutes)

Primary author: MALTEZOS, Stavros (National Technical University of Athens (NTUA), Greece)

Presenter: KOUTELIERIS, G. (National Technical University of Athens (NTUA), Greece)

Session Classification: "Astroparticle and Underground Experiments" Parallel 1b

Contribution ID: 24

Type: **not specified**

Nitrogen Molecular Spectra of Air-Fluorescence Emulator using a LN2 Cooled CCD

Tuesday, 6 October 2009 17:10 (20 minutes)

Primary author: MALTEZOS, Stavros (National Technical University of Athens (NTUA), Greece)

Presenter: MALTEZOS, Stavros (National Technical University of Athens (NTUA), Greece)

Session Classification: "Astroparticle and Underground Experiments" Parallel 1b

Contribution ID: 25

Type: **not specified**

Search for a possible spontaneous emission of muons from heavy nuclei

Thursday, 8 October 2009 17:30 (20 minutes)

Primary author: GIORGINI, Miriam (Bologna University and INFN)

Presenter: GIORGINI, Miriam (Bologna University and INFN)

Session Classification: "Astroparticle and Underground Experiments" Parallel 2b

Contribution ID: 26

Type: **not specified**

Development of Bolometers Matrices with NbSi TES Sensors for the Study of Cosmic Microwave Radiation (CMB)

Tuesday, 6 October 2009 17:30 (20 minutes)

Primary author: LIU, Shu-Chen (CSNSM, University of Paris-Sud XI, France)

Presenter: LIU, Shu-Chen (CSNSM, University of Paris-Sud XI, France)

Session Classification: "Astroparticle and Underground Experiments" Parallel 1b

Contribution ID: 27

Type: **not specified**

The Telescope Array Project: A Hybrid Ultra-High Energy Cosmic Ray Experiment in the Northern Hemisphere

Tuesday, 6 October 2009 16:30 (20 minutes)

Primary author: SOKOLSKY, Pierre

Presenter: SOKOLSKY, Pierre

Session Classification: "Astroparticle and Underground Experiments" Parallel 1b