
HE 3.3

- 1 Limits on Antiprotons in Space from the Shadowing of Cosmic Rays by the Moon
Yupeng Xu on behalf of the L3 Collaboration
-

- 2 An Upper Limit on Cosmic-Ray \bar{p}/p Flux Ratio Estimated by the Moon's Shadow with the Tibet-III Air Shower Array
Tadashi Kido for the Tibet ASgamma Collaboration
-

17:00–17:48 Main Convention Hall (1/2 parallels)

HE 1.4

- 25 UHECR Anisotropy from Luminous Infrared Galaxies - Predictions for the Pierre Auger Observatory
Andrzej Smialkowski, M. Giller, and W. Michalak
-

- 26 Constrained Simulations of the Magnetic Field in the Local Supercluster and the Propagation of UHECR
Dario Grasso et al.
-

- 27 Distortion of UHECR Spectra by Regular Magnetic Fields
Todor S. Stanev, David Seckel, and Ralph Engel
-

- 28 Constrains on the Galactic Magnetic Field from the Two-Dimensional Correlation Function of AGASA Events
Gustavo A. Medina Tanco, M. Teshima, and M. Takeda
-

17:00–18:36 Conference Room 202 (2/2 parallels)

HE 3.3

- 3 Search for Relic Neutralinos with Milagro
Gaurang B. Yodh for the Milagro Collaboration
-

- 4 Measuring Cosmological Parameters with MAGIC
Oscar Blanch for the MAGIC Collaboration
-

- 5 Study of Upward Showering Muons in Super-Kamiokande
Shantanu A. Desai for the Super-Kamiokande Collaboration
-

- 6 Search for Muons from WIMP Annihilation in the Center of the Earth with the AMANDA-B10 Detector
Philip Olbrechts for the AMANDA Collaboration
-

- 7 Search for TeV Gamma-Rays from the Andromeda Galaxy and for Supersymmetric Dark Matter in the Core of M31
Werner Hofmann for the HEGRA Collaboration
-

- 8 Z-Bursts with Hot Dark Matter (Relic Neutrinos) Generating the EUV and Soft X-Ray Glow in Cluster of Galaxies
Yoshiyuki Takahashi et al.
-

- 9 Dark Matter Experiments at Boulby Mine
Michael J. Carson
-

- 10 Search for Supersymmetric Dark Matter in M31 with CELESTE
Eric Nuss for the CELESTE Collaboration
-

HE: POSTER Session 1

Authors in attendance: July 31, August 1, August 2 16:30–17:30

Multi-Purpose Hall

HE 1.1

- 1-P-001 Comparison of Some Parameters of EAS Initiated by Light and Heavy Nuclei in the Region of Energy Spectrum Break
Vladimir Ivanovich Yakovlev et al.
-

-
- 1-P-002 Analysis of Air Showers at the Trigger Threshold of KASCADE
Andreas Haungs for the KASCADE Collaboration
-
- 1-P-003 Analysis of Energy Distributions of Hadrons Registered in the Pamir Experiment
Jan Malinowski et al.
-
- 1-P-004 Test of a Hadronic Interaction Model by a Multidimensional Analysis of Lateral and Longitudinal Air-Shower Observables at KASCADE
Markus Roth and A. F. Badea
-
- 1-P-005 Muon Production Height from the Muon Tracking Detector in KASCADE
Janusz Zabierowski for the KASCADE Collaboration
-
- 1-P-006 Registration of Particles Delayed by 400 – 1000 Microsec after EAS
Jacek Szabelski et al.
-
- 1-P-007 EAS Muon Distributions and Primary Mass Composition from the GAMMA Installation
Lawrence W. Jones et al.
-
- 1-P-008 A Search for Very High Energy Muons ($E_{\mu} > 100$ TeV) in EAS around the Knee
Valery Borisovich Petkov et al.
-
- 1-P-009 Anomalous Delayed Particles in Extensive Air Shower Core According to Results of the New Plant
Turlan Khamzinovich Sadykov et al.
-
- 1-P-010 The Modern Status of Anomalous Delayed Particles Effect in the “Knee” Region EAS According to the Data of Tien Shan Mountain Station
Alexander P. Chubenko et al.
-
- 1-P-011 Observation of EAS Core with the Small Scintillation Detector at Taro
Hiroshi Sakuyama et al.
-
- 1-P-012 Comparison of Experimental Events with an Galo with Calculations on Model “Tien-Shan”
Turlan Khamzinovich Sadykov et al.
-
- 1-P-013 Use of Neural Networks to Measure the Muon Contents of EAS Signals in a Water Cherenkov Detector
Luis Villasenor, Y. Jeronimo, and H. Salazar
-
- 1-P-014 Single Unaccompanied Hadrons in Milagro and Surviving Primary Cosmic Ray Protons
Gaurang B. Yodh for the Milagro Collaboration
-
- 1-P-015 Primary Cosmic Ray Mass Composition Studies and Muon Size Spectra of Extensive Air Showers
German V. Kulikov et al.
-
- 1-P-016 The Energy Spectrum and the Chemical Composition of Primary Cosmic Rays with Energies from 10^{14} to 10^{16} eV
Shoichi Ogio for the BASJE Collaboration
-
- 1-P-017 Mass Composition of Primary Cosmic Ray below the “Knee” Deduced from Analysis of Energy Distribution of Hadrons Registered in the Pamir Experiment
Jan Malinowski
-
- 1-P-018 Mass Composition and Energy Spectrum Studies of Primary Cosmic Rays in Energy Range 10TeV-10PeV Using Atmospheric Cerenkov Light Telescope
Alexander L. Mishev, S. C. Mavrodiev, and J. N. Stamenov
-
- 1-P-019 A New Measurement on the Energy Spectrum of Primary Cosmic Rays in the Energy Region 10^{14} – 10^{16} eV, with GRAPES-3 Experiment
Sunil K. Gupta et al.
-
- 1-P-020 The Enhancement of Cosmic Rays with Energies above 10 TeV Observed at Mt. Chacaltaya
Osman H. Burgoa for the BASJE Collaboration
-
- 1-P-021 The Cosmic Ray Anisotropy between 10^{14} and 10^{15} eV
Piera Luisa Ghia for the EAS-TOP Collaboration
-
- 1-P-022 Search for Large-Scale Coincidences of EAS in LAAS Experiment
Nobuaki Ochi for the LAAS Group
-

-
- 1-P-023 Search for Non-Random Features in Arrival Time Series of Air Showers Observed at Mt.Chacaltaya
Nobuaki Ochi et al.
-
- 1-P-024 Simulation Study on the Performance of Synchronized Compact Arrays within 1 Km Baseline
Atsushi Iyono for the LAAS Group
-
- 1-P-025 Arrival Time Distribution by the New Observation System at Taro
Hiroshi Sakuyama et al.
-
- 1-P-026 Analysis of the Arrival Time of Serial Air Showers by Using Erlang Distribution and Poisson Distribution
Hiroyuki Takada, N. Takahashi, and S. Kawaguchi
-
- 1-P-027 Search for Sporadic Enhancements of UHECR and Correlations with Cosmic Phenomena in LAAS Experiment
Isao Yamamoto for the LAAS Group
-
- 1-P-028 Radar Echo Detection System of EAS Ionization Columns as Part of a LAAS Detector Array
Isao Yamamoto for the LAAS Group
-
- 1-P-029 The Array of Atmospheric Cherenkov Telescopes at Milagro to Study Cosmic Ray Composition
Gaurang B. Yodh et al.
-
- 1-P-030 First Results Obtained with Wide-Angle Cerenkov Light Telescope - BEO - p. Mussala
Elisaveta Slavcheva Malamova et al.
-
- HE 1.2**
-
- 1-P-031 A New Possibility to Determine the Mass Composition around the Knee with EAS Observed in Altitude
(700 g.cm⁻²)
Lawrence W. Jones et al.
-
- 1-P-032 About EAS Inverse Problem
Samvel V. Ter-Antonyan
-
- 1-P-033 Some Characteristics of Extensive Air Showers at Chacaltaya Observation Level
Alexander L. Mishev and J. N. Stamenov
-
- 1-P-034 A Selection of Different Cosmic Ray Primaries Using a New Selection Parameter Based on Cerenkov Light Registration
Alexander L. Mishev and J. N. Stamenov
-
- 1-P-035 The Primary Cosmic Ray All Nucleon Spectrum as Seen by ARGO-YBJ
Eleonora De Marinis for the ARGO-YBJ Collaboration
-
- 1-P-036 A Method to Reconstruct the Energy and Mass of Individual Primary Cosmic Ray Particles
Igor Alexandrovich Lebedev and E. G. Boos
-
- 1-P-037 Sensitivity of the ARGO-YBJ Strip Size Spectrum to Different Models of the Primary Cosmic Ray Composition in the Energy Range 10 ÷ 500 TeV
Giuseppe DiSciascio for the ARGO-YBJ Collaboration
-
- 1-P-038 On the “Knee” in Primary Cosmic Ray Spectrum
Yuri V. Stenkin
-
- 1-P-039 On Scaling of Inclusive Spectra of Charged Particles in Ultra-Relativistic Heavy Ion Collisions
Arunava Bhadra
-
- 1-P-040 Explanation of the Knee in the Galactic Cosmic-Ray Spectrum
Volodymyr Kryvdyk
-
- 1-P-041 The Bell-Lucek Mechanism in SNRs and the “Knee” in the Cosmic Ray Spectrum
Luke O’C. Drury, E. van der Swaluw, and O. Carroll
-
- 1-P-042 On the Pulsar Origin of the Knee
Arunava Bhadra
-
- 1-P-043 The Knee in Galactic Cosmic Ray Spectrum and Variety in Supernovae
Lyubov G. Sveshnikova
-

1-P-044 Particle Acceleration Due to Electrostatic Shock Wave Driven by Counterstreaming Pair Plasmas
Shinji Saito, J. I. Sakai, and T. Haruki

HE 1.3

1-P-045 On Some Aspects of Age Parameter Associated with Extensive Air Showers Having Energy Ranging from $\sim 10^{14}$ eV to $\sim 10^{20}$ eV
Julie Saikia and Pranayee Datta

1-P-046 A Portion of Energy Transferred to the EAS Electron — Photon Component at $E_0 > 10^{15}$ eV
Stanislav P. Knurenko et al.

1-P-047 A Wavelet-Based Approach to UHECR Arrival Direction Analysis
Anatoly A. Ivanov et al.

1-P-048 Gradient in the Distribution of Particles around Pulsars
Aleksei Alekseevich Mikhailov et al.

1-P-049 Time Structure of the Shower Front as Measured at Haverah Park above 10^{19} eV
Maximo David Ave Pernas et al.

1-P-050 Distribution Functions of Muons in Inclined Showers Registered by Auger Observatory
Alexei V. Dorofeev, J. C. Diaz, and D. Nitz

1-P-051 The Arrival Time Distribution far from the Core of Air Showers above 10^{18} eV Measured in AGASA
Ken Honda et al.

1-P-052 An Estimate of the Primary Mass of Cosmic Rays at 10^{18} eV as Inferred from Volcano Ranch Data
Alan Andrew Watson et al.

1-P-053 Estimation of Primary Cosmic Ray Energy Registered at the EAS Yakutsk Array
Mikhail I. Pravdin et al.

1-P-054 Measurement of the Flux of UHE Cosmic Rays by the HiRes Detectors Observing in Both Monocular and Stereoscopic Modes
Robert Wayne Springer for the HiRes Collaboration

1-P-055 Cosmic Ray Anisotropy at the Energy $\sim 10^{19}$ eV
Aleksei Alekseevich Mikhailov, G. V. Nikolayeva, and Yu. G. Shafer

1-P-056 The Anisotropy Search Program for the Pierre Auger Observatory
Roger William Clay for the Pierre Auger Collaboration

1-P-057 Status, Performance and Perspectives of the Pierre Auger Observatory
Johannes Bluemer for the Pierre Auger Collaboration

1-P-058 Performance of the Pierre Auger Fluorescence Detector and Analysis of Well Reconstructed Events
Stefano Argiro for the Pierre Auger Collaboration

1-P-059 Pierre Auger Atmosphere-Monitoring Lidar System
Darko Veberic et al.

1-P-060 Signal Fluctuations in the Auger Surface Detector
Tokonatsu Yamamoto for the Pierre Auger Collaboration

1-P-061 Processing of the Signals from the Surface Detectors of the Pierre Auger Observatory
Tiina Suomijarvi for the Pierre Auger Collaboration

1-P-062 “Shoot the Shower”: Probing Atmospheric Clarity of the Shower/Detector Plane at HiRes
Lawrence R. Wiencke for the HiRes Collaboration

1-P-063 Atmospheric at HiRes
Lawrence R. Wiencke for the HiRes Collaboration

1-P-064 UHECR Study on Satellites in TUS/KLYPVE Experiments
Leonid G. Tkatchev et al.

1-P-065 Cosmic-Ray-Air Shower Timing Experiment: Performance of a Mini Array Detector
Tulshi Bezboruah

HE 2.1

- 1-P-241 Measurement of Cosmic-Ray Proton, Antiproton and Muon Spectra at Mountain Altitude
Tomoyuki Sanuki et al.
-
- 1-P-242 The Study of Elemental Species or the Primary Cosmic Rays at Energies 10^{13} – 10^{16} eV by the LVD Experiment
Leonid G. Dedenko for the LVD Collaboration
-
- 1-P-243 Muon Groups Underground and Primary Cosmic Ray Mass Composition
Yuri V. Stenkin and A. L. Tsyabuk
-
- 1-P-244 Atmospheric Muon Measurements at Sea Level II: A Maximum Likelihood Analysis
Shuhei Tsuji et al.
-
- 1-P-245 Atmospheric Muon Measurements at Sea Level I: The Detector
Masahiro Tokiwa et al.
-
- 1-P-246 The Charge Ratio of the Atmospheric Muons as Probe for Azimuthal Asymmetry
Iliana Magdalena Brancus et al.
-
- 1-P-247 Measurements of Albedo Muon Intensity at the Earth's Surface
Igor Ivanovich Yashin et al.
-
- 1-P-248 Analysis of Continuous Cosmic-Ray Measurements in Belgrade
Radomir M. Banjanac et al.
-
- 1-P-249 ACORDE, a Cosmic Ray Detector in ALICE. Firsts Simulation Studies
Arnulfo Zepeda Dominguez et al.
-
- 1-P-250 Possibility to Search for VHE Muons with Baksan Underground Scintillation Telescope
Valery Borisovich Petkov et al.

HE 2.2

- 1-P-251 Recoil Electron Energy Spectrum in Super-Kamiokande and Sno Detectors
Probhas Raychaudhuri
-
- 1-P-252 Antineutrino Search at the Sudbury Neutrino Observatory
Thomas Kutter for the Sudbury Neutrino Observatory Collaboration
-
- 1-P-253 Analysis of Upward through Going Muon Events and Stopping Muon Events in the Virtual Super-Kamiokande Detector and the Neutrino Oscillation
Akeo Misaki et al.
-
- 1-P-254 CNGS Beam Monitor with the LVD Detector
Gabiella Sartorelli for the LVD Collaboration

HE 2.3

- 1-P-255 Study of the Effect of Neutrino Oscillation on the Super-Nova Neutrino Signal with the LVD Detector
Marco Selvi for the LVD Collaboration
-
- 1-P-256 AMANDA-B10 Limit on UHE Muon-Neutrinos
Stephan Hundertmark for the AMANDA Collaboration
-
- 1-P-257 Search for Diffuse Fluxes of Extraterrestrial Muon-Neutrinos with the AMANDA Detectors
Gary Colin Hill for the AMANDA Collaboration
-
- 1-P-258 Online Search for Neutrino Bursts from Supernovae with the AMANDA Detector
Thomas Feser for the AMANDA Collaboration
-
- 1-P-259 Computational Techniques for Simulating Light Propagation in High-Energy Neutrino Telescopes
Predrag Miocinovic and P. Niessen
-
- 1-P-260 Measurement of the Radiofrequency Properties of Antarctic Ice with the RICE Detector
Surujhdeo Seunarine et al.

-
- 1-P-261 Simulations of the Radio Frequency Signals Produced by Electromagnetic Showers in Ice
Surujhdeo Seunarine et al.
-
- 1-P-262 ANTARES Status Report
Teresa Montaruli for the ANTARES Collaboration
-
- 1-P-263 The Design Study for the Hyper Baikal Detector(HBD) in Lake Baikal for Extremely High Energy Neutrino Astrophysics - Strategy and the Present Purpose
Akeo Misaki et al.
-
- 1-P-264 New Capabilities of the AMANDA-II High Energy Neutrino Detector
Wolfgang Wagner for the AMANDA Collaboration
-
- 1-P-265 Response of AMANDA-II to Cosmic Ray Muons
Paolo Desiati for the AMANDA Collaboration
-
- 1-P-266 NESTOR Neutrino Telescope Status Report
Peter K. F. Grieder for the NESTOR Collaboration
-
- 1-P-267 Detection of Tau Neutrinos in Underwater Neutrino Telescopes
Teresa Montaruli and I. Sokalski
-
- HE 2.4**
-
- 1-P-268 Time Variations in Solar Neutrino Flux
Probhas Raychaudhuri
-
- 1-P-269 Neutrinos in Pion and Muon Decays at Neutrino Factories and Lsnd Excess
Probhas Raychaudhuri
-
- 1-P-270 High Energy Extension of the FLUKA Atmospheric Neutrino Flux
Teresa Montaruli et al.
-
- 1-P-271 Simulation of Atmospheric Neutrino Fluxes with CORSIKA
Iliana Magdalena Brancus et al.
-
- 1-P-272 A 3-Dimensional Atmospheric Neutrino Flux Calculation
Giles Barr et al.
-
- 1-P-273 Discrimination of Muon Neutrino from Electron Neutrino in the Virtual Super-Kamiokande Detector
Eiichi Konishi et al.
-
- 1-P-274 On the Binning of Atmospheric Neutrino Fluxes near the Horizon in Monte–Carlo Calculations
Simon A. M. Robbins, Giles Barr, and Tom Gaisser
-
- 1-P-275 Energy Fluctuation of Tau Leptons Emerging from Earth
Minghuey A. Huang, Lin, and J. J. Tseng
-
- 1-P-276 Tau Neutrinos at EeV Energies
Mary Hall Reno et al.
-
- 1-P-277 Neutrinos from Cosmological Cosmic Rays
Ricardo Vazquez, Diego Gonzalez Diaz, and E. Zas
-
- 1-P-278 Prompt Neutrino Production by the Lunar Surface
Victor Andersen and L. S. Pinsky
-
- 1-P-279 Some Aspects of LF-MF Radioemission Associated with Extensive Ice Shower Initiated by High Energy Neutrinos
Kalpana Roy Sinha, Pranayee Datta, and Tulshi Bezboruah
-
- 1-P-280 High Energy Neutrino Generator for Neutrino Telescopes
Marek P. Kowalski and A. Gazizov
-
- 1-P-281 The Cross-Section of Muon Photo-Nuclear Interaction
Choji Saji, A. V. Butkevich, and S. P. Mikheyev
-
- 1-P-282 Propagation of Extremely High Energy Leptons in the Earth
Shigeru Yoshida
-

-
- 1-P-283 Splitting Model of the Single Scattering to Reconstruct the Molière Process of Multiple Coulomb Scattering
Takao Nakatsuka
-
- 1-P-284 A High-Accurate and High-Efficient Monte Carlo Code by Improved Molière Functions with Ionization
Takao Nakatsuka and Kazuhide Okei
-
- 1-P-285 A Modern Theory of Neutrino Oscillations
Khamidbi Muchamedovich Beshtoev
-
- 1-P-286 Some Unsettled Questions in the Problem of Neutrino Oscillations. Mechanisms of Neutrino Oscillations
Khamidbi Muchamedovich Beshtoev
-
- 1-P-287 Some Unsettled Questions in the Problem of Neutrino Oscillations. Experiments
Khamidbi Muchamedovich Beshtoev
-

HE 2.5

- 1-P-288 Cherenkov Radiation of Extensive Air Showers Observed at Large Zenith Angles by SHALON
Vera Yurievna Sinitsyna et al.
-
- 1-P-289 Radio Pulses Generated by Showers in Different Dense Media
Jaime Alvarez-Muniz et al.
-
- 1-P-290 NuTel: a Neutrino Telescope for Observing ν_τ from AGN
Min-Zu Wang for the NuTel Collaboration
-
- 1-P-291 Study of Photomultiplier Tubes for the ANTARES Neutrino Telescope
Juan-de-Dios Zornoza on behalf of the ANTARES Collaboration
-
- 1-P-292 Time Calibration of the ANTARES Neutrino Telescope
Juan-Jose Hernandez-Rey for the ANTARES Collaboration
-
- 1-P-293 A Data Acquisition System for the ANTARES Neutrino Telescope
Mieke Bouwhuis for the ANTARES Collaboration
-

HE: POSTER Session 2

Authors in attendance: August 3, August 5, August 6

16:30–17:30 (August 3, 5), 16:00–17:00 (August 6)

Multi-Purpose Hall

HE 1.5

- 2-P-001 Analysis of Emulsion Chambers in Tibet Hybrid Experiment Using the Image Scanner
Makio Shibata for the Tibet ASgamma Collaboration
-
- 2-P-002 Analog Read-Out of the RPCs in the ARGO-YBJ Experiment
Michele Iacovacci for the ARGO-YBJ Collaboration
-
- 2-P-003 The Trigger System of the ARGO-YBJ Detector
Antonio Surdo for the ARGO-YBJ Collaboration
-
- 2-P-004 The Online System of the ARGO Experiment
Huihai He for the ARGO Collaboration
-
- 2-P-005 Development of Resistive Plate Counter for the Extended Mini-Array Experiment at Gauhati University
Subhash Chandra Rajbongshi et al.
-
- 2-P-006 Shower Reconstruction Performance of KASCADE-Grande
Gernot Maier for the KASCADE-Grande Collaboration
-
- 2-P-007 The Wide Range Front-End Electronics for Readout Amplitude Data of the Ionization Calorimeter
Turlan Khamzinovich Sadykov et al.
-
- 2-P-008 Delayed Scintillator Pulses Observed with an EAS Array
Harri K. Arvela and A.-M. Elo
-

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- 2-P-009 Depth Distribution of the Maxima of Extensive Air Shower
James H. Adams, Jr. for the EUSO Collaboration
-
- 2-P-010 A Proposal of a Single Chip Surface Detector Trigger Based on Altera Cyclone™ Family
Zbigniew Szadkowski
-
- 2-P-011 Study of Long Term Stability of the Pierre-Auger Surface Detector Using Muon Events
Tohru Ohnuki et al.
-
- 2-P-012 Production Test System and Results on Large PMTs for Pierre-Auger Surface Detectors
Katsushi Arisaka et al.
-
- 2-P-013 The Pierre Auger Surface Detector Led Flashers and Their Use for Monitoring and Calibration
Tiina Suomijarvi for the Pierre Auger Collaboration
-
- 2-P-014 Photon Yields from Dry Air Excited by Electrons
Keizo Kobayakawa et al.
-
- 2-P-015 Measurements of Diffuse Night Sky Background
Osvaldo Catalano et al.
-
- 2-P-016 AIRFLY: Air Fluorescence Induced by Electrons in a Wide Energy Range
Paolo Privitera et al.
-
- 2-P-017 Measurements of the *UV* Nocturnal Atmospheric Background in the 300-400 nm Wavelength Band with the Experiment BaBy during a Transmediterranean Balloon Flight
Andrea Santangelo et al.
-
- 2-P-018 Study of the Fluorescence Yield for Electrons between 0.5 - 2.2 MeV
Ernesto Kemp et al.
-
- 2-P-019 Study on Wavelength Shifters and Multilayer Half-Mirror for High-QE PMT
Masahiro Takeda for the EUSO Collaboration
-
- 2-P-020 “Mobile ACE” - New Approach to Reduce Systematic Errors in the Absolute Energy by Fluorescence Detectors
Katsushi Arisaka
-
- 2-P-021 Checking the Pointing Accuracy of Air Fluorescence Detectors with Star Light
Stefan Westerhoff for the HiRes Collaboration
-
- 2-P-022 Evaluation of Flat Microchannel Plate Photomultipliers for Use in a Portable Air Fluorescence Detector
S. BenZvi and J. Martin
-
- 2-P-023 APF Light Sources for the Auger Southern Observatory
John A. J. Matthews for the Pierre Auger Collaboration
-
- 2-P-024 Atmospheric Monitoring for the Telescope Array Experiment
Michiyuki Chikawa et al.
-
- 2-P-025 The Influence of the Global Atmospheric Properties on the Detection of UHECR by EUSO on Board of the ISS
Didier Lebrun for the EUSO Collaboration
-
- 2-P-026 Environmental Testing of the Front-End Electronics for the Auger Observatory Surface Detector
James Dominic Chye for the Pierre Auger Collaboration
-
- 2-P-027 The Slow Control System of the Auger Fluorescence Detectors
Hartmut E. H. Gemmeke et al.
-
- 2-P-028 A Novel Approach in Detecting the UHECR Using EAS Telescopes Notch Optical Filters Combining Optimum Sensitivity for Cherenkov and Fluorescence Contributions
Emmanuel D. Fokitis et al.
-
- 2-P-029 Tracking Stars with the Fluorescence Detector of the Pierre Auger Observatory
Daniel V. Camin et al.
-
- 2-P-030 Portable, Single-Mirror, Air Fluorescence Detector
Robertsen A. Riehle et al.
-

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- 2-P-031 A New Technique Producing Double-Sided Spherical Fresnel Lens Segments Assembled to Large Aperture Lenses
Hitoshi Ohmori for the EUSO Collaboration
-
- 2-P-032 A Ground-Based UV Light Source for the EUSO Mission
James H. Adams, Jr.
-
- 2-P-033 The Light of the Night Sky in EUSO: Duty Cycle and Background
Didier Lebrun et al.
-
- 2-P-034 Development of Multi-Anode Photomultipliers for the EUSO Focal Surface Detector
Naoto Sakaki for the EUSO Collaboration
-
- 2-P-035 Wide-Angle Optical Telescope for the EUSO Experiments
Lloyd W. Hillman for the EUSO Collaboration
-
- 2-P-036 The Housing of the EUSO Photo-Detector Sensors
Marco Pallavicini for the EUSO Collaboration
-
- 2-P-037 Simulation and Data Analysis for EUSO
Giacomo D'Ali Staiti for the EUSO Collaboration
-
- 2-P-038 A PCI Based Data Acquisition System for Ground Array Detectors with Wireless Synchronization through GPS
Mario Pimenta et al.
-
- 2-P-039 EUSO Analog Front End Electronics
Dy-Holm Koang for the EUSO Collaboration
-
- 2-P-040 EUSO Analog Front End Electronics and Calibrations
Dy-Holm Koang for the EUSO Collaboration
-
- 2-P-041 Simulation of Ice Cherenkov Detectors for IceTop
Todor S. Stanev for the IceCube Collaboration
-
- 2-P-042 Complex EAS Array for Super-High Energy Cosmic Ray Research
German V. Kulikov et al.
-
- 2-P-043 Perspectives of the ATHLET Installation at the Tien Shan
Rauf A. Mukhamedshin et al.
-
- 2-P-044 Antarctic Balloon Measurements of UHE CR (SPHERE Experiment)
Sergey Borisovich Shaulov et al.
-
- 2-P-045 The KASCADE-Grande Experiment
Andreas Haungs for the KASCADE-Grande Collaboration
-
- 2-P-046 Underground Multimuo Experiment in Pyhäsalmi Mine
Timo T. Enqvist et al.
-
- 2-P-047 SEASA: The Stockholm Educational Air Shower Array
Mark Pearce et al.
-
- 2-P-048 The Status and Future Prospect of the LAAS Project
Isao Yamamoto for the LAAS Group
-
- 2-P-049 Prototype of a Space Fluorescence Detector at Cerro La Negra Mountain Site
Humberto A. Salazar et al.
-
- 2-P-050 Hybrid Cosmic Ray Detector at Pico de Orizaba
Oscar M. Martinez et al.
-
- 2-P-051 SCROD: School Cosmic Ray Outreach Detector
John David Swain et al.
-
- 2-P-052 The Surface Detectors of the Pierre Auger Observatory
Peter O. Mazur for the Pierre Auger Collaboration
-
- 2-P-053 Simulation of Pierre Auger Surface Detector Response to Muons
Katsushi Arisaka et al.
-

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- 2-P-054 The Auger Observatory Roving LIDAR System
Michael D. Roberts, P. Sommers, and B. Fick
-
- 2-P-055 The ETScope Ground Array for the ULTRA Experiment
Piero Vallania for the EUSO Collaboration
-
- 2-P-056 CHICOS Detector Stations
Robert D. McKeown et al.
-
- 2-P-057 The Washington Large Area Time Coincidence Array
Richard Gran et al.
-
- 2-P-058 AGASA Results and EUSO
Motohiko Nagano for the EUSO Collaboration
-
- 2-P-059 The EUSO Science Operations and Data Centre
Maria Catarina Espirito Santo for the EUSO Collaboration
-
- 2-P-060 The ULTRA Experiment: A Supporting Activity for the Euso Project
Piero Vallania et al.
-
- 2-P-061 TUS/KLYPVE Space Telescopes – Simulation of Performance
Dmitry Vadimovich Naumov et al.
-
- 2-P-062 Downward Neutrino Induced EAS with EUSO Detector
Sergio Bottai for the EUSO Collaboration
-

Conference Room 201

HE 1.4

- 2-P-241 One-Dimensional Hybrid Simulation of EAS Using Cascade Equations
Ralph Engel et al.
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- 2-P-242 Numerical Results of the Improved Differential and Integral Cross Sections for Bremsstrahlung and Pair Production with the LPM Effect
Nobusuke Takahashi et al.
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- 2-P-243 LPM Showers in the Atmosphere Taking into Account the Geomagnetic Field
Hristofor Petrov Vankov et al.
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- 2-P-244 Description of Cascades with Energies above the GZK Cut-Off
Alexander A. Kirillov et al.
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- 2-P-245 Application and Properties of the Probability Density $A \exp(-(x - c)^2 / (a(x - c) + 2b^2))$
Alexander A. Kirillov
-
- 2-P-246 A New Software Package for Computing the Time-Dependent Aperture of the Auger Surface Detector
Aaron S. Chou
-
- 2-P-247 Identification of Photons in Ultra-High Energy Cosmic Rays
Piotr Homola et al.
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- 2-P-248 Contribution of Multiple Scattering of Cherenkov Photons to Shower Optical Image
Piotr Homola et al.
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- 2-P-249 A Top-Down Technique as an Analysis Tool for Auger Fluorescence Data
Carlos Kjell Guerard, M. Bohacova, and L. Perrone
-
- 2-P-250 Auger-South Hybrid Sensitivity to Highly Inclined Hadron-Induced Air-Showers: Mass Composition at High Energy
Carlos Kjell Guerard et al.
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- 2-P-251 Importance of Atmospheric Model in Shower Reconstruction
Barbara Wilczynska et al.
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- 2-P-252 Monte-Carlo Simulation of Horizontal Air Shower
Ming-Huey Alfred Huang, P. Yeh, and C. C. Hsu
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- 2-P-253 Shower Simulation Input for Fluorescence Yield Measurements
Markus Risse and D. Heck
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- 2-P-254 Analytical Versus Monte Carlo Description of Cherenkov Contribution in Air Showers
Markus Risse et al.
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- 2-P-255 Simulation of Cherenkov Contamination for Cosmic-Ray Showers Observed with the Auger Fluorescence Telescopes
Lorenzo Perrone et al.
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- 2-P-256 On the Cherenkov Light Contribution to the Fluorescence of the Highest Energy Air Showers
Grzegorz J. Wieczorek et al.
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- 2-P-257 Shower Fluorescence Light Profile Derived from CORSIKA
Henryk Wilczynski et al.
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- 2-P-258 Study of Shower Optical Image Based on Energy Deposits Derived from CORSIKA
Henryk Wilczynski et al.
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- 2-P-259 Systematic Calculation of the Efficiency of the Fluorescence Detector Using Appropriate EAS Simulations
Emmanuel Fokitis et al.
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- 2-P-260 The GZK Paradox and Estimation of Energy of the Primary Cosmic Rays
Leonid G. Dedenko et al.
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- 2-P-261 Small Scale Clustering in Isotropic Arrival Distribution of Ultra-High Energy Cosmic Rays
Hiroyuki Yoshiguchi et al.
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- 2-P-262 Mass Composition of the Primary Cosmic Rays in the Energy Region $10^{14} \div 10^{20}$ eV in Anomalous Diffusion Model
Akeo Misaki et al.
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- 2-P-263 Numerical Likelihood Analysis of Cosmic Ray Anisotropies
John David Swain et al.
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- 2-P-264 Acceleration of Ultrahigh Energy Cosmic Rays by Shocks in Active Galactic Nuclei
Yasuko S. Honda
-
- 2-P-265 New Hadrons as Ultra-High Energy Cosmic Rays
Dmitry V. Semikoz, M. Kachelriess, and M. A. Tortola
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- 2-P-266 Cosmic Rays from the Nucleus of M87
Alina C. Donea, R. J. Protheroe, and A. Reimer
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- 2-P-267 A Possible Contribution of Companion Galaxies to Intra and Extra-Cluster UHE Cosmic Rays
Catia Grimani
-
- 2-P-268 Testing Scenarios of Lorentz Symmetry Violation Generated at the Planck Scale
Luis Gonzalez-Mestres
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- 2-P-269 Internal Structure of Ultra-High Energy Particles with Lorentz Symmetry Violation at the Planck Scale
Luis Gonzalez-Mestres
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- 2-P-270 Using Fractal Dimensionality in the Search for Anisotropy of Ultra-High Energy Cosmic Rays
Benjamin T. Stokes for the HiRes Collaboration
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- 2-P-271 Gamma-Ray Emission as a Tracer of UHECR Sources
Peter Tinyakov et al.
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- 2-P-272 The Last Gamma Ray Burst in our Galaxy? On the Observed Cosmic Ray Excess at 10^{18} eV
Gustavo A. Medina Tanco et al.
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- 2-P-273 Multiple UHECR Events from Galactic Hadron Jets
Etienne Parizot
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- HE 3.1**
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- 2-P-274 On the Problem of High Transverse Momenta in the Interactions of Hadrons at Energies about 10^{16} eV
Jan Malinowski
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- 2-P-275 Status of the HARP Experiment at CERN
Simon A. M. Robbins for the HARP Collaboration
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- 2-P-276 The Accelerator Data - Cosmic Ray Monte Carlo Interface; An Update
Lawrence W. Jones
-
- 2-P-277 How Fast Is the Growth of Total Cross Section at High Energies?
Fazal Aleem et al.
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- 2-P-278 Note on the Energy Distribution of Produced Particles in Multiple Particle Production
Akinori Ohsawa and M. Tamada
-
- 2-P-279 Investigation of Geometrical Structures in the Hadronic Shower Core
Joerg Rudolf Hoerandel for the KASCADE Collaboration
-
- 2-P-280 Remarkable Events in the Knee Region and Abnormal Behaviour in EAS Data
Jean-Noel Capdevielle et al.
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- 2-P-281 Nature of 100 TeV Hadronic Interactions in the Forward Region Seen from Muon Data of the L3+C Experiment
Qing-Qi Zhu on behalf of the L3 Collaboration
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- 2-P-282 Fractionally Charged Particles in Cosmic Rays? Reevaluation of the Data
George Bashindzhagyan
-
- 2-P-283 Non-Extensivity Parameter in Thermodynamical Model of Hadronic Interactions
Izabela Kurp and T. Wibig
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- 2-P-284 Collective Behaviour in Nuclear Interactions and Shower Development
Ricardo Vazquez et al.
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- HE 3.2**
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- 2-P-285 New Constraints on the Nature of Space-Time Planck Scale Fluctuations Using X-Ray and TeV Gamma-Ray Observations
Roland Le Gallou et al.
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- 2-P-286 Probing TeV Gravity with Extensive Air-Showers
Maximo David Ave Pernas et al.
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- HE 3.3**
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- 2-P-287 Search for Correlated Air Showers with GRAPES-2 and GRAPES-3 Arrays
Suresh Chandra Tonwar et al.
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- 2-P-288 Search for Magnetic Monopoles at a High Altitude Laboratory
Stefano Cecchini for the SLIM Collaboration
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- 2-P-289 Measuring the Scale of Quantum Gravity with MAGIC
Manel Martinez for the MAGIC Collaboration
-
- 2-P-290 Cosmic Ray Antiprotons from Relic Neutralinos in a Diffusion Model
Fiorenza Donato et al.
-
- 2-P-291 An Improved Gamma-Ray Limit on the Density of Primordial Black Holes
Laurent Derome, A. Barrau, and G. Boudoul
-
- 2-P-292 On the Detectability of Gamma-Rays from Dark Matter Annihilation in the Local Group with Ground-Based Experiments
Lidia Pieri and E. Branchini
-
- 2-P-293 Superluminal Particles, Cosmology and Cosmic-Ray Physics
Luis Gonzalez-Mestres
-
- 2-P-294 Searching for a Long Cosmic String through the Gravitational Lensing Effect
Yuji Shirasaki et al.
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- 2-P-295 H non-Heiles Type Hamiltonian in Cosmological Perspective
Balendra Kr Dev Choudhury and B. C. Kalita
-

2-P-296 Mass Formulae for Particles
Michi Turu

HE 3.4

2-P-297 The AMS-02 Tracker
Claudia Cecchi et al.

2-P-298 Nuclearite Search with the TL Stack Detector at Ground Level
Tomonori Wada et al.

OG: Oral Sessions

OG: Cosmic Ray Origin and Galactic Phenomena

July 31

14:30–16:30 Convention Hall 300

OG 1.1

1 Protons with Energy $E > 70$ MeV Trapped in the Earth's Radiation Belts
Bruna Bertucci for the AMS-01 Collaboration

2 Leptons with $E > 200$ MeV Trapped in the Earth's Radiation Belts Observed with the AMS Experiment
Bruna Bertucci for the AMS-01 Collaboration

3 Search for Doubly Charged Anomalously Heavy Nuclei with AMS Detector in Space
Vitali Choutko for the AMS-01 Collaboration

4 Cosmic Ray Flux Measurements Made by MARIE in Mars Orbit
Kerry T. Lee et al.

5 Extended Energy Spectrum Measurements of Elements with the Cosmic Ray Isotope Spectrometer (CRIS)
Allan Wayne Labrador et al.

6 New Measurements of the Li, Be, and B Isotopes as a Test of Cosmic Ray Transport Models
Georgia A. de Nolfo et al.

7 Measurements of the Ultra-Heavy Galactic Cosmic-Ray Abundances between $Z=30$ and $Z=40$ with the TIGER Instrument
Jason T. Link et al.

8 Measurement of the Cosmic-Ray Antiproton Energy Spectrum with HEAT-pbar
Simon Swordy et al.

9 Measurement of the Deuterium Flux in the Kinetic Energy Range 12-22 GeV/n with the CAPRICE98 Experiment
Elena Vannuccini for the WiZard/CAPRICE Collaboration

10 Cosmic Ray ^3He and ^4He Spectra from BESS 98
Zachary D. Myers and E. S. Seo

August 1

9:10–10:34 Convention Hall 300

OG 1.1

11 Measurement of High Energy ^3He in Cosmic Rays by the CAPRICE98 Balloon Experiment
Emiliano Mocchiutti for the WiZard/CAPRICE Collaboration

12 Measurement of Electron Spectrum to High Energies with the BESS-1999 Experiment
Thomas Hams et al.

13 High Energy Cosmic Ray Electron Spectra Measured from the ATIC Balloon Experiment
Jin Chang for the ATIC Collaboration
