

# **29th International Cosmic Ray Conference**

**August 3 - 10, 2005, Pune, India**

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# **Scientific Program Overview**

**Hess Lecture**

**Homi Bhabha Lecture**

**Review Lecture**

**Highlight Talks**

**Rapporteur Talks**

## **Contributed Paper Sessions:**

### **OG.1 : COSMIC RAY ORIGIN**

[OG.1.1: Direct measurements on primary cosmic rays](#)

[OG.1.2: Cosmic ray sources and composition](#)

[OG.1.3: Cosmic ray propagation](#)

[OG.1.4: Cosmic ray acceleration](#)

[OG.1.5: New experiments and instrumentation](#)

### **OG.2 : X-RAY, GAMMA-RAY AND NEUTRINO ASTRONOMY AND ASTROPHYSICS**

[OG.2.1: Diffuse X-ray and gamma-ray emission](#)

[OG.2.2: Galactic sources \(Binaries, pulsars, SN remnants, etc.\)](#)

[OG.2.3: Extra-galactic sources \(AGNs, Quasars, Gal.clusters, etc.\)](#)

[OG.2.4: Gamma-ray bursts](#)

[OG.2.5: High energy neutrino astrophysics](#)

[OG.2.6: Gravitational wave sources and experiments](#)

[OG.2.7: New experiments and instrumentation](#)

### **SH.1 : SOLAR EMISSIONS**

[SH.1.1: Energetic photons and neutrons](#)

[SH.1.2: Energetic charged particles](#)

[SH.1.3: Particle acceleration near the Sun](#)

[SH.1.4: Coronal mass ejections](#)

[SH.1.5: Ground level enhancements](#)

[SH.1.6: New experiments and instrumentation](#)

## **SH.2 : ACCELERATION AND PROPAGATION IN THE HELIOSPHERE**

[SH.2.1: Inter-planetary transport of energetic Solar particles](#)

[SH.2.2: Propagating interaction regions and shocks](#)

[SH.2.3: Co-rotating interaction regions and shocks](#)

[SH.2.4: Merged interaction regions](#)

[SH.2.5: General acceleration and transport phenomena](#)

[SH.2.6: Forbush decreases and other CME related phenomena](#)

[SH.2.7: New experiments and instrumentation](#)

## **SH.3 : GALACTIC COSMIC RAYS IN THE HELIOSPHERE**

[SH.3.1: Origin and acceleration of anomalous cosmic rays](#)

[SH.3.2: Gradients and anisotropies](#)

[SH.3.3: Energy spectra, composition and charge state](#)

[SH.3.4: Short-term and long-term variations and interpretations](#)

[SH.3.5: Space weather, terrestrial effects and cosmogenic nuclides](#)

[SH.3.6: New experiments and instrumentation](#)

## **HE.1 : ULTRA-HIGH ENERGY COSMIC RAYS**

[HE.1.1: Observations and simulations at energies  \$< 10^{15}\$  eV](#)

[HE.1.2: Observations and simulations at the knee,  \$\sim 10^{15-16}\$  eV](#)

[HE.1.3: Observations and simulations at energies  \$\sim 10^{16-18}\$  eV](#)

[HE.1.4: Observations and simulations at energies  \$> 10^{18}\$  eV](#)

[HE.1.5: New experiments and instrumentation](#)

## **HE.2 : PARTICLE PHYSICS, ASTRO-PARTICLE PHYSICS AND COSMOLOGY**

[HE.2.1: Particle interactions relevant for cosmic ray studies](#)

[HE.2.2: Observations on Solar and atmospheric neutrinos](#)

[HE.2.3: Search for new particles and phenomena \(DM, PD, etc.\)](#)

[HE.2.4: New experiments and instrumentation](#)

## OG 1.1.

### [chn-chang-J-abs1-og11-oral](#)

The Electron Spectrum above 20 GeV Measured by ATIC-2

### [ita-chiarusi-T-abs1-og11-oral](#)

Cosmic ray abundance measurements with the CAKE balloon experiment

### [ita-grimani-C-abs1-og11-oral](#)

Upper limit to the cosmic-ray positron flux generated at the pulsar polar cap

### [jap-haino-S-abs1-og11-oral](#)

Measurement of cosmic-ray antiproton spectrum with BESS-2002

### [jap-harevama-M-abs1-og11-oral](#)

Proton and Helium spectra obtained by RUNJOB experiment

### [jap-ichimura-M-abs1-og11-oral](#)

Heavy component spectra and secondary to primary ratios obtained by RUNJOB experiment

### [jap-matsuda-S-abs1-og11-oral](#)

Observation of low energy antiprotons at the 2004 BESS-Polar flight in Antarctica

### [jap-torii-S-abs2-og11-poster](#)

Observation of Electrons above 100 GeV with the BETS Detector Using Long-Duration Balloon in Antarctica

### [jap-yoshida-T-abs1-og11-oral](#)

The 2004 BESS-Polar scientific flight in Antarctica

### [rus-kopenkin-V-abs2-og11-poster](#)

The charge composition of primary cosmic rays observed by balloon experiments: detector, data, and interpretation

### [rus-stozhkov-Y-abs2-og11-poster](#)

Some specific Features of the GCR Measurements made by the ATIC Instrument

### [rus-stozhkov-Y-abs3-og11-poster](#)

Some results of GCR Proton Spectrum Index Measurements in the 1÷40 TeV Energy Range

**[rus-sveshnikova-LG-abs1-og11-oral](#)**

All particle spectrum and average mass obtained by RUNJOB experiment

**[swi-gentile-S-abs1-og11-oral](#)**

Cosmic ray Astrophysics with AMS-02 experiment

**[usa-ahn-H-abs1-og11-oral](#)**

Elemental Spectra from the First ATIC Flight

**[usa-barbier-L-abs1-og11-oral](#)**

Co/Ni Ratio Between 0.8 - 5 GeV/nucleon from TIGER-2001

**[usa-boyle-P-abs1-og11-oral](#)**

Energy Spectra of Heavy Cosmic Ray Nuclei from 0.5 GeV/amu to 10,000 GeV/amu

**[usa-hams-T-abs1-og11-oral](#)**

Flight Performance of the BESS-Polar Aerogel Cherenkov Counter

**[usa-hoeppner-C-abs1-og11-oral](#)**

The Response of the TRACER Detector: Design, Calibrations and Measurements

**[usa-kim-K-abs1-og11-poster](#)**

Isotope Measurements of Cosmic-Ray Hydrogen and Helium during the 2000 Solar Maximum

**[usa-Lee-KT-abs1-og11-oral](#)**

MARIE Solar Quiet Time Flux Measurements of H and He Ions below 300 MeV/n

**[usa-Lee-KT-abs2-og11-poster](#)**

Preliminary Results of the CPDS Instruments Aboard the ISS

**[usa-muller-D-abs1-og11-oral](#)**

Measurements with TRACER: Discussion of Results and Future Prospects

**[usa-rauch-B-abs1-og11-oral](#)**

Observations of the Ultra-Heavy Galactic Cosmic-Ray Abundances ( $30 \leq Z \leq 40$ ) with TIGER

**[usa-romero-wolf-A-abs1-og11-oral](#)**

Antarctic Balloon Flight and Data Analysis of TRACER

**[usa-seo-E-abs1-og11-oral](#)**

The Record Breaking 42-day Balloon Flight of CREAM

**usa-wefel-J-abs1-og11-oral**

Energy Spectra of H and He from the ATIC-2 Experiment

**OG 1.2.**

**arm-hovsepyan-G-abs3-og12-poster**

On the Statistical Methods of the Signal Significance Estimation in the Detection of the Signal from the Point Sources of Cosmic Rays

**fra-parizot-E-abs3-og12-oral**

On the viability of holistic cosmic-ray source models

**ind-bhadra-A-abs1-og12-poster**

Cosmic Rays from nearby Pulsars

**ind-mitra-A-abs1-og12-oral**

Magnetospheric Eternally Collapsing Objects (MECOs): Likely New Class of Source of Cosmic Particle Acceleration

**ira-davoudifar-P-abs1-og12-poster**

Origin of anti protons observed above the atmosphere, galactic or extra galactic?

**rus-erlykin-AD-abs1-og12-oral**

On the Origin of Cosmic Rays in the PeV - EeV Energy Range

**rus-kashkarov-L-abs1-og12-poster**

Cosmic-Ray Induced V-Shaped Fission Tracks in Silicate Minerals: to a Problem of SH-Elements Search in the Meteoritic Phosphates

**rus-petrukhin-AA-abs1-og12-oral**

Cosmic ray spectrum above  $10^{15}$  eV (a new approach)

**rus-stozhkov-Y-abs4-og12-oral**

About cosmic ray sources with energies up to  $(10^{13} \div 10^{15})$  eV

**rus-sveshnikova-LG-abs2-og12-poster**

The low limit of the number of individual sources giving the main contribution to the CR flux around the knee.

**usa-binns-W-abs1-og12-oral**

Cosmic Ray Neon, Wolf-Rayet Stars, and the Origin of GCRs

**usa-streitmatter-R-abs1-og12-oral**

Superbubbles and Local Cosmic Rays

**usa-westphal-A-abs1-og12-oral**

GEMS in Interplanetary Dust: surviving members of shock-accelerated dust at the GCR source?

**OG 1.3.**

**bra-jayanthi-UB-abs1-og13-oral**

Ground gamma radiation associated with lightning and rain precipitation

**ger-hoerandel-J-abs1-og13-poster**

An analysis of super-high energy cosmic-ray propagation in the Galaxy

**ind-stephens-A-abs1-og13-oral**

Three dimensional propagation of secondary antiprotons in the atmosphere

**ita-castellina-A-abs1-og13-oral**

Diffusion coefficient and acceleration spectrum from direct measurements of charged cosmic ray nuclei

**jap-komori-Y-abs2-og13-poster**

Propagation of Cosmic Ray Electrons Including the Source Region I : Leaky Box Model

**jap-komori-Y-abs3-og13-poster**

Propagation of Cosmic Ray Electrons Including the Source Region II : Diffusion Model

**jap-shibata-T-abs1-og13-oral**

A new approach to the cosmic-ray propagation in the Galaxy in the wide energy range 1 GeV - PeV

**rus-grigorieva-S-abs1-og13-poster**

Evidence for UHECR protons interacting with CMB

**rus-ptuskin-V-abs1-og13-oral**

Cosmic Rays in Galactic Diffusion Model with random Supernova Outbursts: Statistical Fluctuations, Anisotropy, Very High Energy Electrons

**rus-yushkov-AV-abs6-og13-poster**

Cosmic rays transport in the fractal-like galactic medium

**saf-buesching-I-abs1-og13-oral**

The influence of discrete cosmic ray sources on the secondary to primary ratio

**saf-buesching-I-abs2-og13-poster**

A method to calculate the Galactic cosmic ray density with high spatial resolution, new developments

**swi-tkachev-I-abs1-og13-oral**

Magnetic Field in the Local Universe and the Propagation of UHECRs

**usa-allard-D-abs1-og13-oral**

Extragalactic cosmic-ray source composition and the interpretation of the ankle

**usa-farahat-A-abs1-og13-oral**

New Development for Galactic Cosmic-Ray Propagation

**usa-jones-FC-abs1-og13-oral**

Statistical Mechanics of Supernovae Revisited

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**ger-becker-J-abs2-og14-poster**

On the 'ankle' of cosmic ray spectrum: Effects of the quasi-perpendicular shocks

**ger-becker-J-abs3-og14-poster**

On the cosmic rays acceleration at super-luminal shocks

**ger-voelk-H-abs1-og14-oral**

Magnetic Field Amplification in Tycho and other Shell-type Supernova Remnants

**ger-zirakashvili-V-abs1-og14-oral**

Cosmic Ray Acceleration at the Galactic Wind Termination Shock with Self-Excited Alfvén Waves

**ind-bagchi-J-abs1-og14-poster**

High & ultra-high energy cosmic ray acceleration in cluster-merger shocks in Abell 3376

**ind-kantharia-NG-abs1-og14-poster**

Cosmic ray electron acceleration in the remnant of nova GK Persei?

**ita-codino-A-abs3-og14-poster**

Ultrahigh energy cosmic rays beyond the ankle are accelerated in the space between galaxies

**kor-kang-H-abs1-og14-poster**

Numerical Studies of Diffusive Shock Acceleration at Spherical Shocks

**usa-ellison-D-abs3-og14-poster**

Thermal Particle Injection in Nonlinear Diffusive Shock Acceleration

**usa-jokipii-JR-abs1-og14-poster**

Injection and Acceleration at Non-Parallel Shocks

**usa-jones-TW-abs1-og14-poster**

Time Evolution of Cosmic-Ray Modified MHD Shocks

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**chn-chang-J-abs2-og15-poster**

Simulation Study on High Energy Electron and Gamma-ray Detection with CALET

**fra-buenerd-M-abs1-og15-poster**

A Cherenkov imager for charge measurements of Nuclear Cosmic Rays in the CREAM II instrument

**ger-coarasa-JA-abs1-og15-poster**

The Data Acquisition of the MAGIC II Telescope.

**ger-olzem-J-abs1-og15-poster**

Construction of the AMS-02 Transition Radiation Detector for the International Space Station

**ger-schmanau-M-abs1-og15-oral**

The performance of the AMS-02 Transition Radiation Detector

**ita-boezio-M-abs1-og15-oral**

The Space Experiment PAMELA

**ita-cafagna-F-abs1-og15-oral**

A Transition Radiation Detector for space borne apparatus

**ita-lundquist-J-abs1-og15-oral**

The PAMELA Calorimeter Identification Capabilities

**ita-marrocchesi-P-abs2-og15-poster**

Beam test calibration of the balloon-borne imaging calorimeter for the CREAM experiment

**ita-vannuccini-E-abs1-og15-oral**

The magnetic spectrometer of the PAMELA experiment: on-ground test of the flight model.

**jap-ichimura-M-abs2-og15-poster**

CALET Observation of Nuclear Components in Primary Cosmic Rays

**jap-katavose-Y-abs3-og15-poster**

Performance of the CALET Calorimeter by Accelerator Beam Test

**jap-oshima-A-abs1-og15-poster**

Tests of PMT uniformity for the GRAPES-3 experiment

**jap-torii-S-abs1-og15-oral**

The CALET Mission on International Space Station

**jap-torii-S-abs3-og15-poster**

The CALET Instrument for Experiment on the ISS

**jap-yoshida-K-abs1-og15-oral**

Observation of High-Energy Electron, Gamma Ray, and Dark Matter with CALET

**kor-park-I-abs1-og15-oral**

The First Flight Measurement with the CREAM Silicon Charge Detector

**kor-yang-J-abs1-og15-poster**

Performance of the CREAM Silicon Charge Detector during its First Flight

**por-barao-F-abs1-og15-oral**

The Ring Imaging Cherenkov detector (RICH) of the AMS experiment

**rus-batkov-K-abs1-og15-poster**

Deconvolution of energy spectra in the ATIC experiment

**rus-mukhamedshin-R-abs2-og15-poster**

The modern concept of the INCA project elements

**rus-podorozhnyi-D-abs1-og15-oral**

NUCLEON Satellite Mission. Present status.

**[rus-turundaevskiy-A-abs1-og15-oral](#)**

The NUCLEON Instrument Prototype Beam Tests and Detailed Simulation

**[swe-orsi-S-abs1-og15-oral](#)**

Pre-flight Performance Studies of the Anticoincidence Systems of the PAMELA Satellite Experiment

**[swi-cai-Xudong-abs1-og15-oral](#)**

On board computing system for AMS-02 mission

**[swi-lebedev-A-abs1-og15-oral](#)**

The AMS-02 Electronics System

**[swi-lechanoine-leluc-C-abs1-og15-oral](#)**

AMS - A magnetic spectrometer on the International Space Station

**[swi-produit-N-abs2-og15-poster](#)**

POLAR a compact detector for measuring GRB polarization.

**[usa-ahn-H-abs3-og15-poster](#)**

CREAM Flight Data Processing

**[usa-coutu-S-abs1-og15-oral](#)**

Performance of the transition radiation detector and the timing charge detector in the first flight of the CREAM instrument

**[usa-isbert-J-abs1-og15-poster](#)**

BGO Temperature Dependence and Energy measurements in the ATIC Calorimeter

**[usa-jones-WV-abs1-og15-poster](#)**

Meeting the Challenge of Balloon-Borne Science Missions

**[usa-lee-M-abs1-og15-poster](#)**

Electronics for the CREAM calorimeter and hodoscopes

**[usa-lee-M-abs2-og15-poster](#)**

Design and tests of the CREAM calorimeter

**[usa-lee-M-abs3-og15-oral](#)**

Performance of the CREAM calorimeter module during its first flight of 42 days

**usa-sasaki-M-abs1-og15-poster**

Low Power Front-End Electronics for the BESS-Polar Time-of-Flight Counter and Aerogel Cherenkov Counter

**usa-vagi-A-abs1-og15-oral**

CREST: A Cosmic-Ray Electron Synchrotron Telescope to measure TeV Electrons

**usa-yoon-Y-abs1-og15-oral**

Flight Operations during the First CREAM Balloon Flight

**usa-yoon-Y-abs2-og15-poster**

Design and Tests of the Scintillating Fiber Hodoscopes in the CREAM Instrument

**usa-zinn-SY-abs1-og15-poster**

The data acquisition software system of the 2004/2005 CREAM experiment

## **OG 2.1.**

**aus-kneiske-T-abs2-og21-oral**

BL Lac contribution to the extragalactic gamma-ray background

**chn-cui-S-abs1-og21-oral**

Study on YBJ-ARGO Sensitivity to Crab Source

**fra-casandjian-J-abs1-og21-oral**

The EGRET sky: a new interstellar emission model and source detection

**fra-grenier-I-abs1-og21-oral**

A new estimate of the extragalactic  $\gamma$ -ray background as seen by EGRET

**ger-bartko-H-abs3-og21-poster**

Towards Dark Matter Searches with the MAGIC Telescope

**ger-hinton-J-abs1-og21-oral**

Observations of the Galactic Centre Region in Very High Energy Gamma-Rays with H.E.S.S.

**ger-mirzoyan-R-abs1-og21-oral**

Status Report on the 17m Diameter MAGIC Telescope Project

**ind-bhat-CK-abs1-og21-poster**

Search for Diffuse Galactic/extra-galactic TeV rays : possible measurements from IACT observations

**ind-bhatt-N-abs1-og21-poster**

Contribution of black hole x-ray binaries in galactic diffuse  $\gamma$ -ray emission at energies above 1 MeV

**ind-thoudam-S-abs2-og21-poster**

Diffuse gamma-ray emission of the galactic disk and Galactic Cosmic-Ray spectra

**jap-ohishi-M-abs1-og21-oral**

Very high energy gamma-ray observations of the Galactic plane with the CANGAROO-III telescopes

**jap-ohnishi-M-abs2-og21-poster**

New Flux Upper Limits of Diffuse TeV Gamma Rays from the Galactic Plane Observed with the Tibet Air Shower Array

**rus-erlykin-AD-abs3-og21-poster**

What do the New Detections of the Galactic Disk in the TeV region Tell Us ?

**spa-domingo-santamaria-E-abs1-og21-oral**

A model of the diffuse gamma-ray emission from the central region of NGC 253

**swe-pieri-L-abs1-og21-oral**

Revising the annihilation of Dark Matter in the Galactic Halo

**swe-pieri-L-abs2-og21-poster**

Signals of WIMP Annihilation into Electrons at the Galactic Centre

**uki-wolfendale-AW-abs2-og21-poster**

Cosmic Ray Contributions to the Cosmic Microwave Background

**usa-atkins-R-abs1-og21-poster**

Search for Cygnus Arm Diffuse TeV Gamma Ray Emission with the Whipple 10m Telescope

**usa-hall-jeter-abs1-og21-poster**

Search for TeV Radiation from Selected Local Group Galaxies

**usa-huang-CY-abs1-og21-oral**

Gamma Rays as Probe of Primary Hadronic Cosmic Rays

**usa-sinnis-G-abs2-og21-oral**

Detection of TeV Gamma Ray Emission from the Galactic Plane

## OG 2.2.

### [arm-martirosov-R-abs3-og22-poster](#)

Search for PeV  $\gamma$  - ray sources with the GAMMA experiment

### [chn-zhang-J-abs1-og22-poster](#)

Multiwavelength searches of the Shell-like SNR G40.5-0.5

### [chn-zhu-Q-abs1-og22-poster](#)

Searching for Point Source Signals through Muons

### [fra-lemiere-A-abs1-og22-oral](#)

Multi-resolution analysis of the H.E.S.S. Galactic Survey Sources and Search for Counterparts in CO and HI data.

### [fra-rolland-L-abs1-og22-oral](#)

Spectrum and variability of the VHE Galactic Centre source observed with H.E.S.S.

### [fra-terrier-R-abs1-og22-poster](#)

INTEGRAL observations of the supernova remnant HESS J1813-178

### [ger-bartko-H-abs2-og22-oral](#)

Search for Gamma Rays from the Galactic Center with the MAGIC Telescope

### [ger-berge-D-abs1-og22-oral](#)

H.E.S.S. observations of the shell-type SNR RX J1713.7 - 3946

### [ger-berge-D-abs2-og22-poster](#)

The SNR RX J1713.7 - 3946: Comparison of keV to TeV data and modelling of the broadband energy spectrum

### [ger-funk-S-abs1-og22-oral](#)

Results from the H.E.S.S. Galactic Plane survey

### [ger-khelifi-B-abs1-og22-oral](#)

VHE observations of pulsar wind nebulae with H.E.S.S.

### [ger-kirk-abs1-og22-oral](#)

Modelling the gamma-ray emission from PSR B1259 - 63

### [ger-komin-N-abs1-og22-oral](#)

Observation of the shell-type supernova remnant RXJ0852.0 – 4622 with H.E.S.S.

**ger-konopelko-A-abs4-og22-poster**

Search for Pulsed VHE  $\gamma$ -ray Emission from Young Pulsars with H.E.S.S.

**ger-masterson-C-abs1-og22-oral**

Observations of the Crab nebula with H.E.S.S.

**ger-raue-M-abs1-og22-oral**

Detection of an unidentified TeV  $\gamma$ -ray source HESS J1303-631 close to the galactic plane with the H.E.S.S. Cherenkov telescopes

**ger-ripken-J-abs1-og22-oral**

Dark matter annihilation as possible origin of the very high energy  $\gamma$ -radiation from the Galactic center measured by H.E.S.S.

**ger-rowell-G-abs1-og22-oral**

H.E.S.S. Observations of Shell Type SNR.

**ger-schlenker-S-abs1-og22-oral**

H.E.S.S.: Variable VHE  $\gamma$ -Ray Emission from the Binary Pulsar PSR B1259-63

**ger-wagner-R-abs1-og22-oral**

Observations of the Crab nebula with the MAGIC telescope

**ger-zirakashvili-V-abs2-og22-poster**

Spatial Distribution of the Magnetic Field Amplified in Young Supernova Remnants

**ind-agrawal-PC-abs1-og22-oral**

Astrosat: The First Indian Astronomy Satellite with Multiwavelength Capability.

**ind-bhattacharyya-S-abs1-og22-oral**

The steady state distribution of  $e^{\pm}$  pairs formed by p-p collisions and high energy spectrum in galactic black hole systems

**ind-dhar-V-abs1-og22-poster**

ANN based energy estimation procedure and energy spectrum of the Crab Nebula as measured by the TACTIC gamma-ray telescope

**ind-manchanda-R-abs3-og22-poster**

Search for pulsations in the low mass X-ray binary Sco X-1

**ind-mitra-A-abs2-og22-poster**

On the Probable Nature of the “Dark Particle Accelerators” Discovered by HESS

**ind-rengarajan-TN-abs1-og22-oral**

Radio-far-infrared Correlation and Cosmic Ray Electrons in Starburst Galaxies and Ultra Luminous Infrared Galaxies

**ind-singh-BB-abs1-og22-poster**

On Pulsed emission of TeV  $\gamma$  -rays from Crab Pulsar

**ind-vishwanath-PR-abs3-og22-poster**

Very High Energy gamma rays from Geminga Pulsar

**jap-nakamori-T-abs1-og22-oral**

Stereoscopic observations with the CANGAROO-III telescopes at the large zenith angles

**jap-saito-T-abs1-og22-oral**

Search for steady PeV gamma-ray emission from the Monogem Ring with the Tibet air shower array

**jap-sakata-M-abs1-og22-poster**

A Northern Sky Survey for TeV Gamma-ray Sources using the Tibet-III air shower array

**jap-tanimori-T-abs1-og22-oral**

Recent status of the analyses for stereoscopic observations with the CANGAROO-III telescopes

**rus-berezhko-EG-abs1-og22-oral**

The Theory of Synchrotron Emission of Supernova Remnants

**rus-ksenofonov-L-abs2-og22-oral**

Dependence of the Gamma-Ray Emission from SN 1006 on the Astronomical Parameters

**rus-ksenofonov-L-abs3-og22-poster**

Emission of Kepler's Supernova Remnant Produced by Accelerated Cosmic Rays

**rus-sinitsyna-VG-abs1-og22-oral**

Tycho's SNR as the source of cosmic rays and gamma-quanta with energy of 1 - 30 TeV in Galaxy

**rus-sinitsyna-VG-abs2-og22-poster**

Cygnus X-3: TeV observations during 1995 - 2003

**spa-lopez-M-abs1-og22-oral**

Search for pulsed VHE Gamma ray emission from the Crab Pulsar

**spa-ona-wilhelmi-E-abs1-og22-oral**

First pulsar observations with the MAGIC telescope

**spa-torres-A-abs1-og22-poster**

Compact Star Properties revised with Color Superconducting Phases of Quark Matter: Implications on Rotation and Emission

**swi-gentile-S-abs2-og22-poster**

Detection and measurement of gamma rays with the AMS-02 detector

**swi-produit-N-abs1-og22-oral**

Main results from the INTEGRAL mission

**uki-nolan-S-abs1-og22-poster**

Simultaneous X-ray and VHE  $\gamma$ -ray observations of microquasars

**usa-allen-G-abs1-og22-oral**

Spatially-Resolved Spectroscopy of X-Ray Synchrotron-Emitting Regions in Some Historical Shell-Type Supernova Remnants

**usa-allen-G-abs2-og22-poster**

Evidence of an Inverse Compton Origin for the HESS Spectrum of G347.3 - 0.5

**usa-ellison-D-abs1-og22-oral**

Efficient Cosmic Ray Ion Production in Young Supernova Remnants

**usa-mccauley-T-abs1-og22-oral**

Large-scale anisotropy of EGRET gamma ray sources

**usa-smith-A-abs1-og22-oral**

Detection of Diffuse Gamma-Ray Emission from the Cygnus Region with the Milagro Gamma-Ray Observatory

## **OG 2.3.**

**chn-zhang-Chao-abs2-og23-poster**

Observation on Local Group using the Tibet Air Shower Array and the Possible Relation with Dark Matter Annihilation

**fra-lemoine-goumard-M-abs1-og23-oral**

Very high energy observations of the starburst galaxy NGC 253 with H.E.S.S.

**fra-pita-S-abs1-og23-oral**

Discovery of Very High Energy  $\gamma$  - ray emission from the extreme BL Lac object H2356-309 with H.E.S.S.

**fra-tluczykont-M-abs1-og23-oral**

Discovery of  $> 160\text{GeV}$   $\gamma$ -rays from 1ES 1101-232 ( $z=0.186$ ) with H.E.S.S.

**ger-albert-J-abs1-og23-oral**

First Observation of the Giant Radio Galaxy M87 in the 100 GeV Energy Domain with the MAGIC Telescope

**ger-beilicke-M-abs1-og23-oral**

Observation of the giant radio galaxy M87 at TeV energies with the H.E.S.S. Cherenkov telescopes

**ger-benbow-W-abs1-og23-poster**

Observations of Selected AGN with H.E.S.S.

**ger-benbow-W-abs2-og23-oral**

Discovery of VHE Gamma Rays from PKS 2005 – 489

**ger-bretz-T-abs1-og23-oral**

Comparison of On-Off and Wobble mode observations for MAGIC

**ger-bretz-T-abs2-og23-poster**

Standard Analysis for the MAGIC Telescope

**ger-konopelko-A-abs3-og23-poster**

TeV Gamma-Ray Spectra Unfolded for IR Absorption for a Sample of Low and High Red-Shifted AGN

**ger-mazin-D-abs3-og23-poster**

Concept of a Global Network of Cherenkov Telescopes (GNCT) and First joint observations of H.E.S.S. and MAGIC

**ger-meyer-M-abs1-og23-oral**

MAGIC observations of high-peaked BL Lacertae objects

**ger-tonello-N-abs1-og23-oral**

Observation of  $\gamma$ -ray emission above 200 GeV from the AGN 1ES1959+650 during low x-ray and optical activity.

**ind-bose-D-abs1-og23-oral**

Observation of AGNs with PACT

**ind-godambe-S-abs1-og23-poster**

Very High Energy Gamma-ray and Near Infrared observations of 1ES2344+514 with TACTIC and MIRO Telescopes

**ind-gupta-AC-abs1-og23-oral**

Simultaneous Multi-wavelength Variability of the TeV Blazar Mrk 421

**ind-rannot-RC-abs1-og23-poster**

TeV  $\gamma$  -ray Observations of the Blazar Markarian 421 from January to April 2004 with TACTIC Imaging Element

**ind-sahavanathan-S-abs1-og23-poster**

Interpretation of the Radio/X-ray knots of kilo parsec scale AGN jets within the internal shock model framework

**ind-subramanian-P-abs1-og23-oral**

Using transport coefficients of cosmic rays in turbulent magnetic fields to determine hybrid viscosity in hot accretion disks around AGN

**ind-thoudam-S-abs1-og23-poster**

VHE Observations of H1426+428 using TACTIC imaging telescope:2004

**ind-vishwanath-PR-abs2-og23-poster**

Possible bursts of TeV gamma rays in PACT from MKN 421 in April 2004

**ire-cogan-P-abs1-og23-poster**

Observations of AGN with the First VERITAS Telescope

**ita-vernetto-S-abs1-og23-oral**

Sky survey with the ARGO-YBJ detector

**jap-mori-M-abs1-og23-poster**

Observation of TeV Gamma-ray from the Active Radio Galaxy Centaurus A with CANGAROO-III

**jap-osone-S-abs1-og23-poster**

Study of 23 day periodicity of Blazar Mkn501 in 1997

**jap-sakamoto-Y-abs1-og23-poster**

Search for Very High Energy Gamma-Rays from Active Galactic Nuclei with the CANGAROO-III Telescope

**jap-sakata-M-abs2-og23-poster**

A Northern Sky Survey for TeV Gamma-ray Sources using the Tibet-III air shower array

**rus-sinitsyna-VY-abs1-og23-oral**

The TeV gamma emission of the far active galaxies 1739+522 ( $z=1.375$ ), 3c454.3 ( $z=0.859$ ) and Markarian 501 ( $z=0.034$ ), Markarian 421 ( $z=0.031$ )

**swi-lecoultre-P-abs1-og23-oral**

Observation of a Flare Signal from a Fixed Position in the Northern Hemisphere through Muons with L3+C

**uki-brown-AM-abs1-og23-poster**

Probing BL Lac VHE  $\gamma$ -ray emission models with optical spectra of PKS 2155-304

**uki-grube-J-abs1-og23-oral**

Spectral Monitoring of Mrk 421 during 2004

**uki-nolan-S-abs2-og23-poster**

Active Atmospheric Calibration for H.E.S.S. Applied to PKS 2155-304

**usa-carson-J-abs1-og23-oral**

The Spectrum of Markarian 421 above 100 GeV with STACEE

**usa-mukherjee-R-abs1-og23-oral**

STACEE Observation of Low-Frequency Peaked BL Lac Objects

**usa-perkins-JS-abs1-og23-oral**

TeV  $\gamma$ -Ray Observations of the Perseus Galaxy Cluster

## **OG 2.4.**

**arg-bertou-X-abs2-og24-poster**

Detecting gamma-ray bursts with the Pierre Auger Observatory using the single particle technique

**chn-zhu-F-abs1-og24-oral**

Performance of the Argo-YBJ detector operated in scaler mode

**ind-manchanda-R-abs1-og24-oral**

Galactic and Extragalactic components in Gamma ray bursts

**mex-martinez-O-abs1-og24-poster**

Search for Gamma Ray Bursts at Sierra la Negra, Mexico

**rus-smirnov-D-abs1-og24-oral**

Search for TeV gamma rays from GRBs at Baksan Underground Scintillation Telescope

**rus-smirnov-D-abs2-og24-poster**

Search for UHE gamma-ray short **transients** at Andyrchy EAS array

**usa-covault-C-abs1-og24-poster**

GRB Observations around 100 GeV with STACEE

**usa-ellison-D-abs2-og24-poster**

Test-Particle Diffusive Shock Acceleration in Relativistic Shocks

**usa-noves-D-abs1-og24-oral**

A Search for Short Duration VHE Emission from GRBs with Milagro

**usa-saz-parkinson-P-abs1-og24-oral**

Search for Very High Energy Emission from Satellite-triggered GRBs with the Milagro Observatory

**usa-schroedter-M-abs1-og24-poster**

Cross-Calibration between the Light Level Measured with SGARFACE and the Whipple 10 m Telescope

**usa-stamatikos-M-abs1-og24-oral**

Probing for Leptonic Signatures from GRB030329 with AMANDA-II

## **OG 2.5.**

**ger-ackermann-M-abs1-og25-oral**

Multiwavelength comparison of selected neutrino point source candidates

**ger-ackermann-M-abs2-og25-poster**

Search for high energy neutrino point sources in the northern hemisphere with the AMANDA-II neutrino telescope

**ger-becker-J-abs1-og25-oral**

A source property based estimate of the neutrino flux from blazars and steep spectrum sources

**ger-gross-A-abs1-og25-poster**

A source stacking analysis of AGN as neutrino point source candidates with AMANDA

**ger-muenich-K-abs1-og25-oral**

Search for a diffuse flux of non-terrestrial muon neutrinos with the AMANDA detector

**ger-nahnhauser-R-abs1-og25-oral**

Simulation of a Hybrid Optical/Radio/Acoustic Extension to IceCube for EeV Neutrino Detection

**ger-nahnhauser-R-abs2-og25-poster**

A novel wavelength shifter foil for IceCube

**ger-nahnhauser-R-abs3-og25-poster**

Acoustic Sensor and Transmitter Development for a Large Volume Neutrino Detection Array in Ice

**ger-serpico-PD-abs1-og25-oral**

Galactic beta-beams as a tool to measure the neutrino  $\theta_{13}$ -mixing angle and the CP-phase with neutrino telescopes

**ger-tomas-R-abs1-og25-oral**

High energy neutrinos from hidden sources

**ger-wischnewski-R-abs1-og25-oral**

Search for a diffuse flux of high-energy neutrinos with the NT200 neutrino telescope

**ind-bhattacharyya-I-abs1-og25-oral**

Neutrino Emissions in Stellar Evolution through Electro-Weak Interaction

**ita-circella-M-abs1-og25-oral**

NEMO – a km<sup>3</sup> Neutrino Telescope in the Mediterranean Sea

**ita-margiotta-A-abs1-og25-poster**

Atmospheric muon background in the ANTARES detector

**ita-vigorito-C-abs1-og25-oral**

Update to 2005 of the results of the search for bursts from gravitational stellar collapse with LVD

**jap-miyamoto-H-abs1-og25-poster**

Calibration and characterization of photomultiplier tubes of the IceCube neutrino detector

**pol-bednarek-W-abs1-og25-oral**

High energy neutrinos from microquasars

**pol-bednarek-W-abs3-og25-poster**

High energy neutrinos from binary systems of two massive stars

**rus-kuzmichev-LA-abs3-og25-oral**

The Baikal neutrino experiment: from NT200 to NT200+

**rus-sinitsyna-VG-abs4-og25-poster**

TeV to PeV neutrinos and gamma-rays with Mountain SHALON Mirror Cherenkov Telescope.

**spa-aguilar-JA-abs2-og25-poster**

Algorithms to search for point-like neutrinos sources with the ANTARES telescope

**spa-zas-E-abs1-og25-oral**

Down-going and Earth-skimming showers from high energy neutrinos

**swi-grieder-P-abs1-og25-poster**

Operation, Performance and Measurements with the NESTOR Test Detector

**tai-huang-MHA-abs1-og25-oral**

Lepton fluxes in underground salt dome

**tai-huang-MHA-abs2-og25-poster**

Shower Spectrum from Earth Skimming Tau-Neutrinos

**usa-desai-S-abs1-og25-oral**

Upward Showering Muons in Super-Kamiokande

**usa-duvernois-M-abs1-og25-oral**

Radio Detection of UHE Neutrinos with the Antarctic Impulsive Transient Antenna (ANITA) Experiment: Data and Analysis

**usa-gerhardt-L-abs1-og25-oral**

Sensitivity of AMANDA-II to UHE Neutrinos

**usa-hodges-J-abs1-og25-oral**

Search for Diffuse Flux of Extraterrestrial Muon Neutrinos using AMANDA-II Data from 2000 to 2003

**usa-hughey-B-abs1-og25-oral**

Neutrino-Induced Cascades From GRBs With AMANDA-II

**usa-hussain-S-abs1-og25-oral**

Updated Limits on the Ultra-High Energy (UHE) Neutrino Flux from the RICE Experiment

**usa-kelley-J-abs1-og25-oral**

A Search for High-energy Muon Neutrinos from the Galactic Plane with AMANDA-II

**usa-kuehn-K-abs1-og25-oral**

The Search for Neutrinos from Gamma-Ray Bursts with AMANDA

**OG 2.6.**

None

**OG 2.7.**

**can-kildea-J-abs2-og27-poster**

Shower Reconstruction Techniques for STACEE

**chn-cheng-N-abs1-og27-oral**

ARGO Sensitivity to Detect GRBs with  $E > 10 \text{ GeV}$

**chn-he-H-abs1-og27-oral**

Time Offset Effects and its Off-line Calibration in EAS Experiments

**chn-he-H-abs3-og27-poster**

Time Calibration of the ARGO-YBJ experiment

**chn-wu-C-abs1-og27-oral**

Performances of the Resistive Plate Chambers at YBJ

**fra-niess-V-abs2-og27-poster**

Underwater Acoustic positioning in ANTARES

**[fra-pochon-J-abs2-og27-poster](#)**

Front End Electronics for Calorimetry in Space

**[fra-vincent-P-abs1-og27-oral](#)**

H.E.S.S. Phase II

**[ger-bartko-H-abs1-og27-poster](#)**

Tests of a Prototype Multiplexed Fiber-Optic Ultra-fast FADC Data Acquisition System for the MAGIC Telescope

**[ger-berger-K-abs1-og27-poster](#)**

A robust way of estimating the energy of a gamma ray shower detected by the MAGIC telescope

**[ger-cornils-R-abs1-og27-poster](#)**

The optical system of the H.E.S.S. II telescope

**[ger-dorner-D-abs1-og27-poster](#)**

Data Management and Processing for the MAGIC Telescope

**[ger-goebel-F-abs1-og27-poster](#)**

Absolute energy scale calibration of the MAGIC telescope using muon images

**[ger-horns-D-abs2-og27-poster](#)**

Performance of a prototype system of Cherenkov telescopes at high altitude

**[ger-karg-T-abs1-og27-poster](#)**

Development of acoustic devices for ultra-high energy neutrino detectors

**[ger-karg-T-abs2-og27-oral](#)**

Sensitivity estimates for an underwater acoustic neutrino telescope

**[ger-konopelko-A-abs1-og27-oral](#)**

STEREO ARRAY of 30m Imaging Atmospheric Cherenkov Telescopes: A Next-Generation Detector for Ground-Based High Energy Gamma-ray Astronomy

**[ger-majumdar-P-abs1-og27-poster](#)**

Monte Carlo simulation for the MAGIC telescope

**[ger-otte-N-abs1-og27-oral](#)**

Status of Silicon Photomultiplier Developments as optical Sensors for MAGIC/EUSO like Detectors

**ger-riegel-B-abs1-og27-poster**

A systematic study of the interdependence of IACT image parameters

**ger-riegel-B-abs2-og27-poster**

A tracking monitor for the MAGIC Telescope

**ger-Shayduk-M-abs1-og27-oral**

A New Image Cleaning Method for the MAGIC Telescope

**ger-teshima-M-abs3-og27-oral**

Magic Phase II

**ger-wischnewski-R-abs3-og27-poster**

Baikal neutrino telescope NT200+: Upgrade of data acquisition and time calibration systems

**ind-chitnis-V-abs1-og27-oral**

Status of HAGAR, the High Altitude Gamma Ray Observatory at Hanle

**ind-koul-M-abs1-og27-poster**

Monte Carlo studies for improving the sensitivity of the TACTIC telescope by using zenith angle dependent Dynamic Supercuts

**ind-koul-R-abs1-og27-oral**

The Himalayan Gamma – Ray Observatory at Hanle

**ind-manchanda-R-abs2-og27-poster**

High Energy X-ray Imaging Telescope : HEXIT

**ind-pandit-S-abs1-og27-poster**

Simulation Study of Mirror Panel Alignment of MACE Gamma Ray Telescope

**ind-razdan-A-abs1-og27-poster**

Factorial moment studies of Cherenkov images

**ind-razdan-A-abs2-og27-poster**

Search for multifractal features in cherenkov arrival time

**ind-tickoo-A-abs1-og27-poster**

Threshold energy estimate of the proposed MACE  $\gamma$  -ray telescope at Hanle

**ind-tickoo-A-abs2-og27-poster**

Optimization of the Light collector design of the 21m diameter MACE  $\gamma$  -ray telescope

**ind-vishwanath-PR-abs1-og27-poster**

A mini ACT experiment at low and high altitudes

**ind-yadav-K-abs1-og27-poster**

Design and performance of the data acquisition and control system of the TACTIC gamma-ray telescope

**ire-kenny-GE-abs1-og27-poster**

Point Spread Function Deconvolution of an Atmospheric Cherenkov Telescope

**ita-bastieri-D-abs1-og27-poster**

The Mirrors for the MAGIC Telescopes

**ita-caponetto-L-abs1-og27-oral**

The ANTARES Local Control Modules and their functional test bench characterisation

**ita-chiarusi-T-abs2-og27-poster**

Environmental parameters and water characteristics from deep-sea surveys at the NEMO sites.

**ita-cusumano-G-abs1-og27-poster**

GAW, Gamma Air Watch – A Large Field of View Imaging Atmospheric Cherenkov Telescope

**ita-dettorrepiazzoli-B-abs1-og27-oral**

Status of the ARGO-YBJ experiment

**ita-falchini-E-abs1-og27-oral**

Status report on the ANTARES high energy neutrino detector

**ita-fulgione-W-abs1-og27-oral**

Triggering on Neutrino Bursts in LVD

**jap-kiuchi-R-abs1-og27-oral**

Optical measurements by cooled CCD cameras for CANGAROO-III

**jap-manago-N-abs1-og27-oral**

Observation of Optical Transients with the Ashra prototype

**jap-mizobuchi-S-abs1-og27-oral**

Reconstruction methods of energy spectra for high redshift sources with the MAGIC Telescope

**jap-nishijima-K-abs1-og27-oral**

Status of the CANGAROO-III Project

**jap-ohnishi-M-abs3-og27-poster**

Research and development of fast-timing large-area thin detector

**jap-tada-I-abs1-og27-oral**

Detection of Atmospheric Cherenkov Images of Air Showers using High-Resolution and High-Speed Camera System with Image Intensifiers

**jap-yoshikoshi-T-abs1-og27-poster**

Performance of the Imaging Atmospheric Cherenkov Telescope System of CANGAROO-III

**pol-sobczynska-D-abs1-og27-oral**

Based on the ultra-fast timing single muon tagging in atmospheric air Cherenkov imaging gamma ray telescopes

**rus-vvatchin-Y-abs1-og27-oral**

LED calibration system of the lake Baikal neutrino telescope NT- 200+

**spa-aguilar-JA-abs1-og27-oral**

Time calibration systems for the ANTARES Neutrino Telescope

**spa-arqueros-F-abs1-og27-oral**

A Technique for the Optical Characterization of Imaging Air-Cherenkov Telescopes

**spa-cortina-J-abs1-og27-oral**

Technical Performance of the MAGIC Telescope

**spa-domingo-santamaria-E-abs3-og27-poster**

The DISP analysis method for point-like or extended  $\gamma$  source searches/studies with the MAGIC Telescope

**spa-lucarelli-F-abs1-og27-poster**

Development and first results of the MAGIC central pixel system for optical observations.

**spa-rico-J-abs1-og27-poster**

Study of the MAGIC sensitivity for off-axis observations

**spa-rico-J-abs2-og27-poster**

Calibration of the MAGIC Telescope

**uki-holder-J-abs1-og27-oral**

Status and Performance of the First VERITAS telescope

**uki-holder-J-abs2-og27-poster**

Exploiting VERITAS Timing Information

**uki-holder-J-abs3-og27-poster**

Optical SETI with Imaging Cherenkov Telescopes

**uki-maier-G-abs1-og27-poster**

Monte Carlo studies of possible upgrades of current arrays of imaging Cherenkov telescopes

**uki-maier-G-abs2-og27-oral**

Monte Carlo Studies of the first VERITAS telescope

**uki-osborne-JL-abs1-og27-poster**

Atmospheric monitoring for the H.E.S.S. Cherenkov telescope array by transmissometer and LIDAR

**usa-cherry-M-abs1-og27-oral**

A Scintillator-Based Hard X-Ray Imaging Telescope -- CASTER

**usa-humensky-TB-abs1-og27-poster**

Calibration of VERITAS Telescope 1 via Muons

**usa-lebohec-S-abs1-og27-oral**

Using Atmospheric Cherenkov Telescope arrays as Intensity Interferometers

**usa-link-J-abs1-og27-oral**

Radio Detection of UHE Neutrinos with the Antarctic Impulsive Transient Antenna (ANITA) Experiment: Instrumentation

**usa-mcenery-J-abs1-og27-oral**

GLAST Mission Overview

**usa-moiseev-A-abs1-og27-oral**

Design and Characteristics of the Anticoincidence Detector for the GLAST Large Area Telescope

**usa-moiseev-A-abs2-og27-poster**

The Large Area Gamma-Ray Telescope for GLAST Observatory

**usa-shepherd-N-abs1-og27-oral**

Absolute calibration of imaging atmospheric Cherenkov telescopes

**usa-silvestri-A-abs1-og27-poster**

Performance of AMANDA-II using Transient Waveform Recorders

**usa-sinnis-G-abs3-og27-poster**

HAWC – A Bird's Eye View of the Extreme Universe

## **SH 1.1.**

**chn-ma-Y-abs2-sh11-oral**

Results from a GRB monitor system on board of SZ-2 Spacecraft

**chn-zhang-J-abs2-sh11-oral**

Search for the solar neutrons using the Yangbajing neutron monitor and the neutron telescope during the 23rd solar cycle

**jap-matsubara-Y-abs1-sh11-oral**

Search for solar neutrons associated with proton flares in solar cycle 23

**jap-sako-T-abs1-sh11-poster**

Possible  $>10\text{GeV}$  Particle Detection in Association with the 28 May 2003 Solar Flare

**jap-sako-T-abs3-sh11-poster**

Highest Energy Neutrons Detected by a Solar Neutron Telescope in Association with the November 28th 1998, Solar Flare

**jap-watanabe-K-abs1-sh11-poster**

Solar Neutron Event Associated with an X8.3 Flare on 2003 November 2

**jap-watanabe-K-abs2-sh11-poster**

Simultaneous Observations of Solar Neutrons in Association with a Large Solar Flare on November 4, 2003

**jap-watanabe-K-abs3-sh11-oral**

Solar neutron events associated with large solar flares in solar cycle 23

**mex-valdes-galicia-J-abs2-sh11-poster**

Performance of an Improved Solar Neutron Telescope Installed in Sierra Negra Volcano, Mexico

**rus-struminsky-A-abs2-sh11-poster**

On Possibility of Prolonged Two Step Production of High Energy Neutrons during the Solar Flare on 28 October 2003

**slk-kudela-K-abs2-sh11-poster**

Proton acceleration during 20 January 2005 solar flare: CORONAS-F observations of high-energy gamma emission and GLE.

**usa-cliver-E-abs1-sh11-poster**

Solar Flare Nuclear Gamma Rays and Energetic Particles in Space, 1980-1989

**usa-evenson-P-abs1-sh11-oral**

Observation of Neutron and Gamma Ray Emission from the October 28, 2003 Solar Flare

## **SH 1.2.**

**fin-huttunen-H-abs1-sh12-oral**

Energetic Particle Associations to Interplanetary Shocks During Seven Years of SOHO/ERNE

**fin-lehtinen-I-abs1-sh12-oral**

Heavy Elements in Solar Particle Events During the Solar Cycle 23: SOHO/ERNE Measurements

**hun-kiraly-P-abs1-sh12-poster**

Solar and heliospheric sources of suprathermal and energetic particle populations

**hun-kiraly-P-abs2-sh12-oral**

Energy dependence of cumulative suprathermal and energetic particle fluence plots

**ind-das-JP-abs1-sh12-oral**

Search for solar cosmic ray records of early Sun in primitive meteorite phases

**ind-goswami-J-abs1-sh12-oral**

Limits on the Spectral shape and Flux of Energetic charged particles from the Proto-Sun

**jap-kodaira-S-abs1-sh12-poster**

Space and Time Correlations of Particle Fluxes after Giant Flares in Radiation Belts Observed by Two Satellites, USERS and SERVIS-1

**rus-ustanova-G-abs1-sh12-poster**

On the Character of the Solar Flare Activity over a Long-Time Scale

**spa-rodriguez-frias-D-abs1-sh12-poster**

The August 19, 2003  $^3\text{He}$ -rich event. Observations with EPHIN

**usa-bieber-J-abs2-sh12-poster**

Relativistic Solar Protons on 1989 October 22: Injection and Transport along Both Legs of a Closed Interplanetary Magnetic Loop

**usa-connell-J-abs2-sh12-poster**

Solar Energetic Particles from the October/November 2003 Events Observed by the Ulysses COSPIN Instruments Near 5 AU

**usa-labrador-AW-abs1-sh12-oral**

High Energy Ionic Charge State Composition in the October/November 2003 and January 20, 2005 SEP Events

**usa-labrador-AW-abs2-sh12-poster**

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**usa-leske-R-abs2-sh12-poster**

Ultra-Heavy Elements Above 10 MeV/nucleon in Solar Energetic Particle Events

**usa-mewaldt-RA-abs3-sh12-poster**

Solar-Particle Energy Spectra during the Large Events of October-November 2003 and January 2005.

**usa-von-rosenvinge-T-abs1-sh12-oral**

Gradual Solar Energetic Particle Events with 'Impulsive' Composition

**usa-wiedenbeck-M-abs2-sh12-oral**

The Time Variation of Energetic  $^3\text{He}$  in Interplanetary Space from 1997 to 2005

## **SH 1.3.**

**usa-cliver-E-abs2-sh13-oral**

The Solar Energetic Particle Event of 16 August 2001:  $\sim 400$  MeV Protons Following an Eruption at  $\sim \text{W180}$

**usa-kota-J-abs3-sh13-poster**

SEP Acceleration at Realistic CMEs: Two Sites of Acceleration?

**usa-mewaldt-RA-abs2-sh13-poster**

What Fraction of the Kinetic Energy of Coronal Mass Ejections goes into Accelerating Solar Energetic Particles?

**SH 1.4.**

**bra-navia-CE-abs1-sh14-poster**

Solar wind effect on the muon flux at sea level

**chn-jia-H-abs1-sh14-poster**

Observation of Forbush Decrease using YBJ-ARGO-spt

**ind-gupta-M-abs2-sh14-poster**

Relationship between different types of solar radio emissions and solar activity parameters during the period 1985-2003

**ind-kaur-S-abs1-sh14-poster**

Statistical analysis of the CMEs causing Geomagnetic storms (1996 - 2003)

**ind-mishra-AP-abs1-sh14-poster**

Characteristic features of CMEs with respect to their source region

**ind-raychaudhuri-P-abs2-sh14-oral**

Variations of Coronal Mass Ejections and Solar Proton Events ( $E > 10$  MEV )

**ind-tiwari-MMS-abs1-sh14-oral**

Halo Coronal Mass Ejections and their geoeffectiveness

**ind-tripathi-R-abs1-sh14-poster**

Properties of HALO CME in relation to large geomagnetic storms

**uki-simnett-G-abs1-sh14-poster**

Interplanetary CMEs without Observed Coronagraph CMEs

**usa-gopalswamy-N-abs1-sh14-oral**

Coronal Mass Ejections and Ground Level Enhancements

**usa-li-Gang-abs1-sh14-poster**

Multiple CMEs and large gradual SEP events

## SH 1.5.

### **bra-navia-CE-abs2-sh15-poster**

Muons enhancements at sea level from solar flares of small scale

### **chn-zhu-F-abs2-sh15-poster**

A possible GLE event in association with solar flare on January 20, 2005

### **rus-eroshenko-E-abs2-sh15-poster**

Ground level enhancement of the solar cosmic rays on January 20, 2005.

### **rus-karpov-SN-abs1-sh15-oral**

Study of the GLE events with use of the EAS-arrays data

### **rus-karpov-SN-abs2-sh15-poster**

The muon bursts with energy  $\geq 200$  GeV during GLE events of 21-23 solar activity cycles

### **rus-struminsky-A-abs3-sh15-poster**

Variations of solar proton spectrum during the ground level enhancement of 2005 Jan, 20

### **rus-timofeev-V-abs2-sh15-poster**

Increase of the Solar Energetic Particle Flux on January 20, 2005

### **rus-vashenyuk-E-abs1-sh15-oral**

Relativistic solar cosmic rays in January 20, 2005 event on the ground based observations

### **rus-vashenyuk-E-abs2-sh15-poster**

Solar Particle Event 20 January, 2005 on stratosphere and ground level observations

### **rus-vashenyuk-E-abs3-sh15-poster**

Energetic solar particle dynamics during 28 October, 2003 GLE

### **saf-moraal-H-abs3-sh15-poster**

The Ground Level Enhancements of 20 January 2005 and 28 October 2003

### **swi-flueckiger-E-abs2-sh15-oral**

The Cosmic Ray Ground Level Enhancement during the Forbush Decrease in Jan, 2005

### **tha-saiz-A-abs1-sh15-poster**

Relativistic Particle Injection and Interplanetary Transport during the January 20, 2005 Ground Level Enhancement

**uki-simnett-G-abs2-sh15-oral**

Timing of the relativistic proton acceleration responsible for the GLE on 20 January, 2005

**usa-bieber-J-abs1-sh15-oral**

Largest GLE in Half a Century: Neutron Monitor Observations of the January 20, 2005 Event

**usa-miyasaka-H-abs2-sh15-poster**

The Solar Event on 20 January 2005 observed with the Tibet YBJ Neutron monitor observatory

**usa-ryan-J-abs2-sh15-oral**

Ground-level Events Measured with Milagro

**yug-banjanac-R-abs1-sh15-poster**

Variations of CR-muon intensity in the declining phase of the 23<sup>rd</sup> solar cycle in ground and shallow underground data

## **SH 1.6.**

**ita-casolino-M-abs1-sh16-oral**

Heliospheric cosmic ray observations with Pamela experiment

**jap-hareyama-M-abs2-sh16-poster**

Particle monitors to survey radiation environment in the radiation belts onboard Japanese satellites, USERS and SERVIS-1

**rus-karpov-SN-abs3-sh16-poster**

Multiplicity, yield and response functions for Baksan EAS-arrays and Muon Detector in comparison with similar functions of Neutron Monitors

**swi-moser-M-abs2-sh16-poster**

Development of the Fast Neutron Imaging Telescope (FNIT)

## **SH 2.1.**

**chn-le-G-abs1-sh21-poster**

The observational comparison analysis between the SEP events on 2000 July 14 and 2003 October 28

**gre-malandraki-O-abs1-sh21-oral**

Interplanetary Coronal Mass Ejections during the October/November 2003 events:  
ACE/EPAM Solar Energetic Particle observations

**ind-kaur-S-abs2-sh21-poster**

Identification of Solar Features causing Geomagnetic Storms during 1978-95

**ind-kaur-S-abs3-sh21-poster**

Solar origin of Major GMSs with  $(-50\text{nT} > \text{Dst} > -100\text{nT})$

**ind-vadav-MP-abs1-sh21-oral**

Comparative study of SWP and IMF parameters with  $\text{DST} \leq -100 \text{ nT}$  in association with large geomagnetic storms

**isr-dorman-LI-abs2-sh21-poster**

The inverse problem: determining of energy spectrum and total flux of SEP in the source, time of ejection into solar wind, and propagation parameters in the interplanetary space on the basis of ground and satellite CR measurements

**rus-struminsky-A-abs1-sh21-oral**

Three Modes of SEP Propagation in the Heliosphere

**rus-timofeev-V-abs1-sh21-oral**

Solar cosmic rays in October – November 2003 and the particle acceleration by shocks in interplanetary medium in the October 28, 2003 event

**rus-zimovets-I-abs1-sh21-poster**

Modeling of propagation of solar protons in 3D heliosphere ( $<4 \text{ AU}$ )

**tha-saiz-A-abs2-sh21-oral**

On the Estimation of Solar Energetic Particle Injection Timing from Onset Times near Earth

**usa-adams-J-abs1-sh21-oral**

Human Exploration of the Moon and Mars: Space Radiation Data, Modeling and Instrumentation Needs

**usa-cohen-C-abs1-sh21-oral**

Solar Energetic Particle Spectra and Composition in the October/November 2003 Events

**usa-miyasaka-H-abs1-sh21-oral**

ACE/NOZOMI Multispacecraft Observations of Solar Energetic Particles.

**usa-ness-NF-abs1-sh21-oral**

Studies of the Termination Shock and Heliosheath at > 92 AU: Voyager 1 Magnetic Field Measurements

**usa-saganti-P-abs2-sh21-poster**

MARIE Measurements and Model Predictions of Solar Modulation of Galactic Cosmic Rays at Mars

**SH 2.2.**

**ind-yadav-MP-abs2-sh22-poster**

Dependence of GMSs with  $H \leq 250$   $\gamma$  on solar feature's locations

**rus-berezhko-EG-abs2-sh22-poster**

Ion Acceleration and Alfvén Wave Excitation at Interplanetary Shocks

**tha-channok-C-abs1-sh22-oral**

Finite Time Shock Acceleration and Fits to ESP Ion Spectra

**usa-cohen-C-abs2-sh22-poster**

Energetic Particle Responses to Interplanetary Shocks Observed by ACE

**SH 2.3.**

**ind-mishra-MP-abs1-sh23-oral**

Study of magnetic cloud events of 1996 in association with geomagnetic and cosmic ray intensity variation

**ind-shrivastava-PK-abs1-sh23-poster**

Short-term influence of high speed solar wind streams on cosmic ray intensity variation during 1996–2002

**SH 2.4.**

**hun-kiraly-P-abs3-sh24-poster**

The way out of the Bubble: implications of recent Voyager-1 data

## SH 2.5.

### [ger-heber-B-abs1-sh25-oral](#)

Ulysses EPAC and KET observations of Jovian electron jets during the distant Jupiter encounter

### [hun-kecskemety-K-abs1-sh25-oral](#)

Dependence of decay rates of SEP events on characteristics of interplanetary medium and on radial distance

### [mex-valdes-galicia-J-abs3-sh25-poster](#)

A Study of Galactic Cosmic Ray Modulation Using Numerically Determined Transport Parameters

### [rus-melnikov-Y-abs1-sh25-poster](#)

Strong Cosmic-Ray scattering in large-scale anisotropic random and regular magnetic fields

### [rus-melnikov-Y-abs2-sh25-poster](#)

The basic correlation lengths of the interplanetary magnetic field fluctuations

### [rus-melnikov-Y-abs3-sh25-poster](#)

Cosmic Ray diffusion with an allowance for anisotropy the interplanetary magnetic field fluctuations

## SH 2.6.

### [ind-pandey-SK-abs1-sh26-poster](#)

Cosmic Ray decreases during 1977-1994

### [ind-shah-GN-abs1-sh26-oral](#)

Major Forbush Decrease recorded by Lead Free-Neutron Monitor

### [ind-shrivastava-PK-abs2-sh26-oral](#)

Study of large solar flares in association with halo Coronal Mass Ejections and their helio-longitudinal association with Forbush decreases of cosmic rays

### [ind-tiwari-s-abs1-sh26-poster](#)

The study of secondary X-rays produced by the Cosmic rays and solar energetic particle's interaction with the atmosphere of Mars during its close approach to the Earth.

**jap-nonaka-T-abs1-sh26-oral**

Short Term Variations of Galactic Cosmic Rays Observed with GRAPES-3 Muon Telescopes

**jap-nonaka-T-abs2-sh26-poster**

Simultaneous Detection of The Loss-Cone Anisotropy With Ooty And Akeno Muon Telescopes.

**pol-alania-M-abs1-sh26-poster**

Three Dimensional Modeling of the Recurrent Forbush Effect of Galactic Cosmic Rays

**pol-alania-M-abs4-sh26-poster**

On the Relationship of the Interplanetary Magnetic Field Turbulence and the Energy Spectrum of the Forbush Effects

**swi-flueckiger-E-abs3-sh26-oral**

Frequency of Forbush effects as an index of solar activity

**usa-mulligan-T-abs1-sh26-oral**

Local and non-local geometry of Interplanetary Coronal Mass Ejections (ICMEs): GCR short-period variations, and magnetic field modeling

**usa-ryan-J-abs1-sh26-poster**

The Forbush Decreases of October-November 2003 as Measured with Milagro

**SH 2.7.**

None

**SH 3.1.**

**ger-langner-U-abs1-sh31-oral**

Effects of different solar wind speed profiles in the heliosheath on the modulation of cosmic ray and anomalous protons

**mex-caballero-lopez-R-abs1-sh31-oral**

Anomalous and galactic cosmic ray He spectra near the termination shock

**rus-ksenofonov-L-abs1-sh31-poster**

Ion Acceleration at Solar Wind Termination Shock

**saf-potgieter-MS-abs1-sh31-oral**

Effects of asymmetrical heliospheric boundaries on cosmic ray proton modulation

**saf-potgieter-MS-abs2-sh31-poster**

Electron anisotropies in the inner heliosphere

**usa-cummings-A-abs2-sh31-oral**

Characteristics of the Solar Wind Termination Shock Region from Voyager 1 observations

**usa-florinski-V-abs2-sh31-poster**

The interaction of solar wind structures with the termination shock and anomalous cosmic ray enhancements at low energies

**usa-jokipii-JR-abs2-sh31-oral**

ACR's and Magnetic Field at the Heliospheric Termination shock

**usa-kota-J-abs2-sh31-poster**

Implications of the Two-Population Spectra Observed by Voyager-1 at the Termination Shock

**usa-mcdonald-FB-abs1-sh31-poster**

Voyager 2 Observations of MeV Ions in the Outer Heliosphere Over the Solar Maximum Period of Cycle 23

**usa-mcdonald-FB-abs2-sh31-oral**

Voyager 1 Observations of Termination Shock Particle Events – The Effect of Interplanetary Transients

**usa-stone-E-abs1-sh31-oral**

Appearance of a Third Episode of Enhanced Particle Intensities at 94 AU: Voyager 1 in the Heliosheath

**usa-stone-E-abs2-sh31-poster**

Voyager 1 in the Vicinity of the Termination Shock: an Overview of Observations beyond 94 AU in the Heliosheath

**usa-stone-E-abs3-sh31-poster**

Evidence for Two Energetic Particle Sources at the Termination Shock

## SH 3.2.

### [chn-zhang-Y-abs1-sh32-oral](#)

Two dimensional observation on TeV Cosmic-ray large scale anisotropy using the Tibet Air Shower Array

### [fin-alanko-K-abs1-sh32-poster](#)

The role of drifts in the galactic cosmic ray transport

### [hun-kecskemety-K-abs2-sh32-poster](#)

Quiet time fluxes and radial gradients of low-energy protons in the inner and outer heliosphere

### [ind-gupta-V-abs1-sh32-poster](#)

Cosmic Ray Intensity Variations During Carrington Rotation Periods in Low Solar Activity Conditions

### [ind-kumar-S-abs1-sh32-oral](#)

Characteristics of high amplitude anisotropic wave train events in cosmic ray intensity

### [ind-kumar-S-abs2-sh32-poster](#)

Features of low amplitude anisotropic wave train events in cosmic ray intensity

### [ind-mishra-RA-abs1-sh32-poster](#)

Study of cosmic ray anisotropy along with solar activity

### [ind-singh-YP-abs1-sh32-oral](#)

Study of Cosmic-Ray Depressions due to Corotating High-Speed Solar-Wind Streams and their Dependence on Solar Polarity

### [jap-kawata-K-abs2-sh32-poster](#)

Sidereal Anisotropy of Galactic Cosmic-Ray Intensity Observed with the Tibet Air Shower Array

### [jap-kojima-H-abs1-sh32-oral](#)

A study of sidereal anisotropy of Cosmic rays with GRAPES-3 Muon Telescopes

### [rus-gerasimova-SK-abs2-sh32-poster](#)

North-south anisotropy of cosmic rays and the IMF neutral surface

### [rus-lidvansky-AS-abs1-sh32-oral](#)

Mean Diurnal Variations of Cosmic Ray Intensity as Measured by the Baksan Surface and Underground Detectors

**rus-lidvansky-AS-abs3-sh32-poster**

On Measurements of the True Anisotropy of Cosmic Rays

**rus-starodubtsev-S-abs3-sh32-poster**

Dynamics in the arrival directions of galactic cosmic rays in the presence of large-scale solar wind disturbances

**saf-moraal-H-abs1-sh32-oral**

An explanation for the unusual cosmic ray diurnal variation in 1954

**usa-cummings-A-abs1-sh32-poster**

Voyager Observations of Anomalous Cosmic Ray Gradients in the Outer Heliosphere

**usa-leske-R-abs1-sh32-oral**

Intensity Gradients of Anomalous Cosmic Rays Between 1 AU and Voyager During Solar Cycle 23

### **SH 3.3.**

**fin-lehtinen-I-abs2-sh33-poster**

SOHO/ERNE Measurements on Galactic Cosmic Rays During the Solar Cycle 23

**ger-langner-U-abs2-sh33-poster**

Effects of the solar wind termination shock and heliosheath on the modulation of galactic and anomalous Helium

**jap-harevama-M-abs3-sh33-poster**

He and Ne isotopes in radiation belts observed by HIT onboard TSUBASA Satellite

**saf-caballero-lopez-RA-abs3-sh33-poster**

Termination shock and heliosheath effects on cosmic ray energy changes in the heliosphere

**saf-potgieter-MS-abs3-sh33-poster**

Modulation of cosmic ray boron and carbon in the heliosphere

### **SH 3.4.**

**bul-buchvarova-MB-abs1-sh34-poster**

Model of Galactic and Anomalous Cosmic Ray Spectrum in the Planetary Ionospheres

**ger-hoerandel-J-abs3-sh34-poster**

Solar modulation of cosmic rays in the energy range from 10 to 20 GeV

**ger-kunow-H-abs1-sh34-oral**

Evolution of the galactic cosmic ray electron to proton ratio: Ulysses COSPIN/KET observations

**ind-badruddin-abs1-sh34-poster**

Study of Time Lags and Hysteresis between Solar Indices and Cosmic Rays: Implications for Drifts and Modulation Theories

**ind-chouhan-ML-abs1-sh34-poster**

Study of Cosmic Ray intensity in association with solar features

**ind-gupta-M-abs1-sh34-poster**

Correlative study of solar activity and cosmic ray intensity for solar cycles 20 to 23

**ind-kaushik-SC-abs1-sh34-oral**

Study of Intense Geomagnetic Storms and associated Cosmic Ray Intensity Variation

**ind-kumar-S-abs1-sh34-poster**

Intense geomagnetic storms with  $A_p \geq 100$  during 21-23 sunspot solar cycles.

**ind-kumar-S-abs3-sh34-poster**

Study and effect of different heliospheric parameters on cosmic ray anisotropy

**ind-mishra-MP-abs2-sh34-poster**

Solar activity and cosmic ray intensity variation

**ind-mishra-RA-abs2-sh34-poster**

Correlation of the quiet day diurnal variations of cosmic rays to the interplanetary parameters

**ind-mishra-RA-abs3-sh34-oral**

Effect of solar heliospheric parameters and geomagnetic activity on long-term cosmic ray anisotropy

**ind-mishra-RK-abs1-sh34-poster**

Short-term variation of cosmic ray anisotropy and solar activity

**ind-mishra-RK-abs2-sh34-poster**

Role of southward component of IMF and solar wind velocity in CR modulation

**ind-mishra-RK-abs3-sh34-oral**

The changes of diurnal anisotropy in cosmic rays and geomagnetic activity

**ind-mishra-vk-abs1-sh34-poster**

Search of appropriate solar index for long-term cosmic ray variational studies

**ind-pandey-GK-abs1-sh34-poster**

The study of daily variation of cosmic ray anisotropy for the period of 1991 to 2004

**ind-richharia-mk-abs1-sh34-poster**

Study of Third Harmonics of daily variation in cosmic ray intensity at equatorial station

**ind-sharma-NK-abs1-sh34-poster**

The role of drift in long term variation of cosmic ray intensity

**ind-tiwari-AK-abs1-sh34-oral**

Coronal Holes in Relation to High Speed Solar Wind Stream and Cosmic Ray Intensity Variations

**ind-tiwari-CM-abs1-sh34-poster**

Study of the characteristics of low and high amplitude diurnal wave trains of cosmic rays

**ind-tiwari-CM-abs2-sh34-poster**

Effect of interplanetary disturbances on cosmic ray daily variation at neutron monitor energies

**ind-tiwari-RK-abs1-sh34-oral**

A study of the role of the coronal index of solar activity in long-term cosmic ray modulation

**ind-tripathi-L-abs1-sh34-poster**

The study of hysteresis upto recent solar cycles in long term modulation of cosmic rays

**ita-verma-N-abs1-sh34-oral**

Heliospheric modulation of cosmic rays based on  $^{44}\text{Ti}$  produced in stony meteorites over the past 250 years

**jap-masuda-K-abs1-sh34-oral**

Variation of the cosmic ray intensity during the Maunder Minimum deduced from carbon-14 content in tree-rings

**jap-miyake-S-abs1-sh34-oral**

Effects of the tilted and wavy current sheet on the solar modulation of galactic cosmic rays

**jap-ohnishi-M-abs1-sh34-poster**

Sun's Shadow Variation During the Recent Solar Cycle 23 Observed with the Tibet Air Shower Array

**mex-valdes-galicia-J-abs1-sh34-oral**

Mid Term Cosmic Ray Quasi Periodicities And Solar Magnetic Activity Manifestations

**pol-alania-M-abs2-sh34-oral**

27-Day Variations Of The Galactic Cosmic Ray Intensity And Anisotropy In Different Solar Magnetic Cycles (1964-2004)

**pol-alania-M-abs5-sh34-poster**

On the expected deviation of the interplanetary magnetic field lines from the helioequatorial plane and the anisotropic diffusion tensor of galactic cosmic rays

**pol-botchorishvili-T-abs1-sh34-poster**

Influence of the Asymmetrical Character of the Solar Activity on the Annual Variation of Galactic Cosmic Rays.

**rus-gerasimova-SK-abs3-sh34-poster**

The 11-year modulation of density and the annual variation in the north-south cosmic ray anisotropy at different phases of a solar magnetic cycle

**rus-gushchina-RT-abs1-sh34-poster**

The relation of global magnetic solar field indices and solar wind characteristics with long-term variations of galactic cosmic rays

**rus-gushchina-RT-abs2-sh34-poster**

Estimate of long-term detector stability of the worldwide neutron monitor network

**rus-nikitin-I-abs1-sh34-oral**

Do Be-10 and C-14 give us the information about cosmic rays in the past?

**rus-starodubtsev-S-abs1-sh34-poster**

Long-Term Modulation of the Cosmic Ray Fluctuation Spectrum: Spacecraft Measurements

**saf-ferreira-S-abs1-sh34-poster**

Modeling cosmic ray intensities over an 11 year modulation cycle

**saf-ferreira-S-abs2-sh34-oral**

Solar cycle related variations of the cosmic ray flux computed by a hybrid hydrodynamic and transport model

**usa-cliver-E-abs3-sh34-poster**

Comparing the 11-yr and 22-yr cycles in cosmic ray modulation

**usa-florinski-V-abs1-sh34-oral**

Galactic cosmic ray response to heliospheric environment changes and implications for cosmogenic isotope records

**usa-kahler-S-abs1-sh34-poster**

Imaging Interplanetary Disturbances Causing Forbush Decreases

**usa-kota-J-abs1-sh34-oral**

The Evolution of the Current Sheet and its Effects on Cosmic Ray Modulation

**usa-mcdonald-FB-abs3-sh34-poster**

Cosmic Ray Observations in the Heliosphere: 1997-2005

**usa-wiedenbeck-M-abs3-sh34-poster**

The Level of Solar Modulation of Galactic Cosmic Rays from 1997 to 2005 as Derived from ACE Measurements of Elemental Energy Spectra

## **SH 3.5.**

**arm-chilingarian-A-abs3-sh35-poster**

Multivariate correlation analysis of transient solar events by the facilities of Aragats Space Environmental Center (ASEC)

**arm-martirosyan-H-abs1-sh35-poster**

Correlation of the estimated arrival time of the relativistic solar ions at 1 AU and start of ground level enhancement (GLE)

**arm-zazyan-M-abs1-sh35-poster**

Calculation of the Aragats Space Environmental Center monitors response to galactic and solar cosmic rays.

**bra-jayanthi-UB-abs2-sh35-poster**

Spectrum of the galactic secondary antiprotons considering tertiary and antineutron decay components

**bul-kavlaikov-S-abs1-sh35-oral**

Cosmic Ray Changes and Total North Atlantic Cyclonal Activities.

**ind-chauhan-BS-abs1-sh35-poster**

The Study of Large geomagnetic storms observed during off Period 1986-2002

**ind-mishra-SK-abs1-sh35-oral**

Study of Magnetic cloud and associated major geomagnetic storm.

**ind-pal-J-abs1-sh35-poster**

Effect of polar coronal hole maximum intensity on geosphere during 1978–95

**ind-shah-GN-abs2-sh35-poster**

Anti-podal Geomagnetic activity, Sea surface temperature and long-term solar variations

**ind-singh-GN-abs1-sh35-oral**

Association of magnetic blobs with geomagnetic disturbances

**ind-vats-H-abs1-sh35-oral**

Heliospheric observations during October-November 2003

**isr-dorman-LI-abs3-sh35-oral**

Long-term cosmic ray intensity variation in near future and prediction of their contribution in expected global climate change

**isr-pustilnik-L-abs1-sh35-oral**

Possible influence of heliosphere dynamics on prices from medieval England to modern USA

**isr-zukerman-I-abs1-sh35-poster**

Great SEP events and space weather: 1. Experience of automatically search of event beginning; probabilities of false and missed alerts

**isr-zukerman-I-abs2-sh35-oral**

Great SEP events and space weather: 2. On-line determination of solar energetic particle spectrum, diffusion coefficient in the interplanetary space, time of ejection and source function

**ita-casolino-M-abs2-sh35-poster**

Preliminary results from the LAZIO-Sirad experiment on board of the International Space Station

**ita-casolino-M-abs6-sh35-poster**

Cosmic ray measurements inside ISS with Sileye3/Alteino experiment

**ita-cecchini-S-abs3-sh35-poster**

On the altitude dependence of  $\gamma$ -rays spectra in the Earth's atmosphere

**jap-masuda-K-abs2-sh35-poster**

Possibility of the detection of past supernova explosion by radiocarbon measurement

**jap-yoshimori-M-abs1-sh35-oral**

Cosmogenic  $^7\text{Be}$  Radionuclide Produced in the Upper Atmosphere by Galactic Cosmic Rays and Solar Energetic Particles

**jap-yoshimori-M-abs2-sh35-poster**

Atmospheric Air Mass Motions Studied from Measurement of Cosmogenic  $^7\text{Be}$  Radionuclide

**jap-yoshimori-M-abs3-sh35-poster**

Temporal Variations in Surface Concentrations of Radionuclides as Viewed from Altitude Distributions

**mex-mendoza-B-abs1-sh35-poster**

Possible solar signals in historical droughts in central and southeastern Mexico

**rus-alexeev-VA-abs1-sh35-poster**

Cosmogenic Radionuclide Evidence on the Solar Activity Behaviour Affecting the Climate of the Earth

**rus-borog-VV-abs1-sh35-poster**

Study of Atmospheric Temperature at Different Altitudes using Muon Angular Distribution at Sea Level

**rus-eroshenko-E-abs1-sh35-oral**

Geomagnetic effects on cosmic rays during the very strong magnetic storms in November 2003 and November 2004

**rus-khaerdinov-N-abs1-sh35-oral**

Variations of Intensity of Cosmic Ray Muons due to Thunderstorm Electric Fields

**rus-lidvansky-AS-abs2-sh35-poster**

A Strong Enhancement of Cosmic Ray Intensity during Thunderstorm: A Case Study and Implications

**rus-perov-S-abs1-sh35-oral**

Cosmic Ray/Solar Activity & Current Problems of Global Change Ozone and greenhouse scare: the evidence the sky isn't falling

**rus-timofeev-V-abs3-sh35-poster**

Synchronous manifestations of 160-min pulsations in the atmospheric pressure at widely separated stations

**saf-moraal-H-abs2-sh35-poster**

<sup>10</sup>Be Concentration in the Queen Maud Land Ice Shelf, Antarctica

**slk-kudela-K-abs1-sh35-oral**

CORONAS-F observations of solar energetic protons: changes of geomagnetic transmissivity in the disturbed magnetosphere

**slk-kudela-K-abs3-sh35-poster**

Testing cosmic ray continuous records for Space Weather

**swi-flueckiger-E-abs1-sh35-poster**

Variations of geomagnetic cutoff rigidities during the series of geomagnetic storms in January 2005: observations and modeling

**swi-moser-M-abs1-sh35-poster**

Atmospheric Neutron Measurements in the 10-170 MeV Range

**usa-applbaum-D-abs1-sh35-oral**

Great SEP events and space weather: 4. Checking on the basis of historical events data, expanding spectrum by using simultaneously NM and satellite data, and modernizing of the model; 5. Principles of on-line radiation hazard monitoring and forecasting in space, in magnetosphere, and in the atmosphere

**usa-lin-ZW-abs1-sh35-oral**

How Space Radiation Risk from Galactic Cosmic Rays at the International Space Station Relates to Nuclear Cross Sections

**usa-mewaldt-RA-abs1-sh35-oral**

The Cosmic Ray Radiation Dose in Interplanetary Space – Present Day and Worst-Case Evaluations

**usa-tripathi-RK-abs1-sh35-oral**

Space Exploration: Where we have been, Where we are and Where we are going – A human perspective

## SH 3.6.

### [arm-chilingarian-A-abs1-sh36-oral](#)

Space Weather Observatory at Aragats mountain in Armenia

### [arm-chilingarian-A-abs2-sh36-poster](#)

Nor-Amberd multidirectional muon monitor: new detector for the world-wide network

### [ita-bencardino-R-abs1-sh36-poster](#)

Response of the LAZIO-SiRad detector to low energy electrons

### [jap-komori-Y-abs1-sh36-poster](#)

CALET Observations of Galactic Electrons in the Heliosphere

### [rus-chernov-DV-abs1-sh36-poster](#)

Experimental setup for muon diagnostics of the Earth's atmosphere and magnetosphere (the URAGAN project)

### [rus-gerasimova-SK-abs1-sh36-poster](#)

Coupling coefficients for the ground and underground muon detectors

### [rus-starodubtsev-S-abs2-sh36-poster](#)

Real-Time Cosmic Ray Distributed (RECORD) database: A status report

### [rus-vanke-VG-abs2-sh36-poster](#)

System of data accumulation for multidirectional muon telescopes

### [saf-kruger-H-abs1-sh36-poster](#)

Latitude surveys with a calibration neutron monitor

### [saf-kruger-H-abs2-sh36-oral](#)

Environmental effects on neutron monitors

### [usa-connell-J-abs1-sh36-oral](#)

Accelerator Tests of Angle Detecting Inclined Sensor (ADIS) Prototypes with Beams of  $^{48}\text{Ca}$  and Fragments

### [usa-pyle-R-abs2-sh36-poster](#)

Neutron Monitor temperature coefficients: Measurements for  $\text{BF}_3$  and  $^3\text{He}$  counter tubes

### [usa-sharma-AS-abs1-sh36-oral](#)

Terrestrial  $\gamma$ -ray flashes: A confluence of cosmic ray showers and thunderstorms

## HE 1.1.

### **bul-mishev-A-abs2-he11-oral**

Approximation of lateral distribution of atmospheric Cherenkov light at different observation levels. Comparison with previous results

### **chn-he-H-abs2-he11-poster**

The Effect of the Geomagnetic Field on the Trigger Efficiency of the ARGO Experiment

### **ger-engel-R-abs3-he11-poster**

Simulation Cherenkov and Synchrotron Radio Emission in EAS

### **ger-hashim-NO-abs1-he11-oral**

Momentum spectrum of cosmic muons at a depth of 320 mwe

### **ger-rebel-H-abs3-he11-poster**

Hadrons in a calorimeter measured in air showers and at an accelerator

### **ind-mohanty-PK-abs1-he11-poster**

Angular Resolution of the GRAPES-3 Array for UHE Gamma-Ray Astronomy

### **ind-sharma-M-abs1-he11-poster**

Energy dependence of Cerenkov pulse parameters and  $\gamma$  -hadron segregation at multi-TeV energies

### **ira-khakian-ghomi-M-abs1-he11-oral**

Investigation of EGRET gamma-ray sources By an Extensive Air Shower Experiment

### **ita-disciascio-G-abs1-he11-poster**

First results on the angular resolution of the ARGO-YBJ detector

### **jap-bertaina-Mario-E-abs1-he11-oral**

A measurement of the proton, helium and CNO fluxes at  $E_0 \sim 100$  TeV from the EAS-TOP (Cherenkov) and MACRO (TeV Muon) data at the Gran Sasso Laboratories

### **jap-hibino-K-abs1-he11-poster**

An Upper Limit on Cosmic-ray  $\bar{p}/p$  Flux Ratio Estimated by the Moon's Shadow with the Tibet III Air Shower Array

### **jap-huang-J-abs1-he11-poster**

A possible approach to check the interaction models by observing AS cores around 20 TeV at 4300 m a.s.l.

**jap-kawata-K-abs1-he11-oral**

Absolute Energy Scale Calibration of Multi-TeV Cosmic Rays Using the Moon's Shadow Observed by the Tibet Air Shower Array

**kaz-sadykov-T-abs1-he11-poster**

Estimate of the contribution of diffraction dissociation and inelastic recharge in generation of leading neutral pions

**kaz-sadykov-T-abs3-he15-poster**

High level white noise generator

**pol-kempa-J-abs2-he11-poster**

The muon energy spectra at various geomagnetic latitudes

**pol-malinowski-J-abs1-he11-oral**

Energy Distributions of Hadrons Registered in the Pamir Experiment and Mass Composition of Primary Cosmic Rays below the “Knee”

**rus-roganova-T-abs1-he11-poster**

RUNJOB emulsion chamber simulating with ECSim code

**rus-ryazhskaya-O-abs2-he11-poster**

The Muon Decay and Muon Capture Detection with LVD

**rus-timashkov-DA-abs2-he11-poster**

Measurements of integral muon intensity at large zenith angles

**rus-yushkov-AV-abs1-he11-oral**

Primary proton spectrum in the energy range  $5\text{-}10^3$  TeV from the sea level muon spectrum

**rus-yushkov-AV-abs3-he11-poster**

Using of the analog complexing of parameters of space-temporal distribution of the EAS Cherenkov light for the analysis of the mass composition of cosmic rays

**usa-guillian-G-abs1-he11-oral**

Observation of the Anisotropy of 10 TeV Primary Cosmic Ray Nuclei Flux with the Super-Kamiokande-I Detector

## HE 1.2.

### **arm-hovsepyanG-abs1-he12-poster**

The Size Spectra of Extensive Air Showers in the “Knee” region Measured by Maket-ANI detector.

### **arm-hovsepyanG-abs2-he12-poster**

The Lateral Distribution Function of Extensive Air Showers Measured by Maket-ANI detector.

### **arm-ter-antonian-S-abs1-he12-oral**

Primary composition and energy spectra obtained with the GAMMA facility

### **arm-ter-antonian-S-abs2-he12-poster**

All-particle primary energy spectrum in the knee region

### **bul-mishev-A-abs1-he12-poster**

Lateral distribution of Cherenkov light at high-mountain altitude produced by inclined showers in the energy range 10 TeV – 10 PeV

### **fin-tomi-R-abs1-he12-poster**

Studying the cosmic-ray composition at the knee region with EMMA

### **fra-capdevielle-JN-abs1-he12-poster**

Remarkable events and EAS properties in the knee energy region up to the LHC energy range

### **ger-hoerandel-J-abs2-he12-oral**

The influence of properties of individual hadronic interactions on the development of extensive air showers

### **ger-milke-J-abs1-he12-oral**

Investigation of Hadronic Interaction Models with the KASCADE-Grande Hadron Calorimeter

### **ger-ulrich-H-abs1-he12-oral**

Composition and energy spectra of elemental groups around the knee: Results from KASCADE

### **ind-bhadra-A-abs3-he12-oral**

Origin of the Knee in the Cosmic Ray Energy Spectrum

**ind-bhadra-A-abs4-he12-poster**

Cosmic ray composition around the knee energy region

**ind-chhetri-R-abs1-he12-oral**

Indication of change in primary at knee region from the study of EAS muons at sea level

**ind-ghosh-kasturi-abs1-he12-oral**

A study of EAS muon near core of showers of size  $10^{4.3}$  to  $10^{6.3}$

**ind-ghosh-Kasturi-abs2-he12-poster**

Measurement of electron size spectra and absorption length of EAS below and above the knee of primary

**ita-bernardini-P-abs1-he12-oral**

Air shower detection by the ARGO-YBJ experiment

**ita-cecchini-S-abs1-he12-poster**

Time variations in the deep underground muon flux measured by MACRO

**ita-disciascio-G-abs2-he12-poster**

Selection of the primary cosmic ray light-component by muon detection at high altitude.

**ita-navarra-G-abs1-he12-oral**

The EAS-TOP studies of the cosmic ray primaries in the knee region

**ita-vallania-P-abs1-he12-poster**

Results from the ULTRA experiment in the framework of the EUSO project

**jap-huang-J-abs2-he12-poster**

A method to measure the energy spectra of the primary heavy components at the knee using a new Tibet AS core detector array YAC

**jap-huang-J-abs3-he12-oral**

Primary cosmic-ray proton and helium spectra at the knee energy region measured by the Tibet hybrid AS experiment

**jap-iyono-A-abs1-he12-poster**

The Cosmic Ray Anisotropy Observed by the Large Area Air Shower Experiments

**jap-katayose-Y-abs2-he12-poster**

The energy spectrum of the light components (P+He) at the knee obtained by the Tibet air shower core detector

**jap-nakatsuka-T-abs1-he12-oral**

Moliere lateral distribution with ionization for fast charged particles

**jap-nakatsuka-T-abs2-he12-poster**

Goudsmit-Saunderson distribution with ionization described with Moliere parameters

**jap-nakatsuka-T-abs3-he12-poster**

A Monte Carlo simulation of underground muon transport

**jap-ochi-N-abs1-he12-poster**

Search for 10 - 1000 km range correlations of air showers in LAAS experiment

**jap-ochi-N-abs2-he12-poster**

Estimation of EAS parameters from synchronized compact arrays within 1km baseline

**jap-tanaka-H-abs1-he12-oral**

A detailed study on nuclear composition of primary cosmic rays around the knee with GRAPES-3

**jap-tsuji-S-abs2-he12-oral**

Momentum Spectrum of Muons Associated with Cosmic-Ray Air Shower at Sea Level

**kaz-lebedev-I-abs1-he12-poster**

Approach to elemental energy spectra of cosmic rays by correlation curves method

**kaz-sadykov-T-abs2-he12-poster**

Research of Microstructure of event with an HALO with measured energy  $4.2 \cdot 10^{15}$  eV

**mex-villasenor-L-abs1-he12-poster**

Hybrid Extensive Air Shower Detector Array at the University of Puebla to Study Cosmic Rays

**pol-malinowski-J-abs2-he12-poster**

Energy Distributions of Hadrons in the Chosen Zenith Angels Registered in the Pamir Experiment

**pol-zabierowski-J-abs2-he12-poster**

Analysis of Muon Production Heights using KASCADE parameters

**rom-brancus-IM-abs2-he12-poster**

Monte Carlo simulations and semianalytical parameterisations of the atmospheric muon flux controlled by muon charge ratio measurements performed with WILLI detector

**rus-dzhappuev-D-abs1-he12-poster**

Study of “multi-core” air showers with EAS array "Carpet-2"

**rus-erlykin-AD-abs2-he12-poster**

The Single Source Model of the Knee and Gamma Families

**rus-ivanov-AA-abs2-he12-poster**

Estimation of cosmic ray composition around the knee region from Cherenkov light measurements at the Yakutsk array

**rus-ivanov-AA-abs3-he12-poster**

Air Cherenkov light measurement and EAS development at energies around  $10^{16}$  eV

**rus-kochanov-A-abs3-he12-poster**

Parametrization for Cherenkov light lateral distribution function in Extensive Air Showers

**rus-prosin-VV-abs1-he12-poster**

Cosmic Ray Energy Measurement with EAS Cherenkov Light: Experiment QUEST and CORSIKA Simulation

**rus-prosin-VV-abs2-he12-oral**

Cosmic Ray Energy Spectrum and Mass Composition from  $10^{15}$  to  $10^{17}$  eV by Data of the Tunka EAS Cherenkov Array

**rus-stenkin-Y-abs1-he12-oral**

Two approaches to the cosmic ray "knee" problem and the experimental data

**rus-stenkin-Y-abs3-he12-poster**

Power Law Spectra in the Nature: Analogies with the Cosmic Ray Spectrum

**usa-jones-LW-abs1-he12-oral**

Understanding the Knee

**usa-sina-R-abs1-he12-poster**

Statistical Analysis of the Knee

## **HE 1.3.**

**ger-badea-AF-abs1-he13-poster**

First determination of the reconstruction resolution of an EAS radio detector

**ger-badea-AF-abs2-he13-oral**

Remote event analyses of LOPES-10

**ger-horneffer-A-abs1-he13-oral**

Detection of radio pulses from extensive air showers

**ger-huege-T-abs2-he13-poster**

Simulations and parametrisation of radio emission from cosmic ray air showers

**ger-kampert-K-abs2-he13-oral**

Shower Size Reconstruction at KASCADE-Grande

**ger-rebel-H-abs1-he13-oral**

Studies of different LDFs for primary energy estimation and mass discrimination of cosmic rays by the EAS lateral charged particle distribution as observed by KASCADE-Grande

**ger-ulrich-H-abs2-he13-poster**

Muon Size Spectrum measured by KASCADE-Grande

**ind-phukan-JP-abs1-he13-poster**

Optical Pulses associated with UHE Cosmic Rays.

**ita-cafagna-F-abs2-he13-poster**

Atmospheric Neutrino Flux Calculation with FLUKA: update and first results on prompt contribution

**ita-chiavassa-A-abs1-he13-oral**

Operation, Calibration and Accuracy of the Grande array of the KASCADE-Grande experiment

**ita-codino-A-abs1-he13-oral**

The energy at which the intensities of the extragalactic and galactic cosmic rays equalize

**ita-grasso-D-abs1-he13-oral**

High Energy Neutrons from Sgr A East: detection perspectives for the AUGER observatory

**jap-iyono-A-abs3-he13-poster**

Performance of GPS-synchronized EAS arrays in LAAS experiments.

**jap-kuramochi-H-abs1-he13-poster**

EAS Core Structure above  $10^{16}$  eV

**jap-ogio-S-abs3-he13-poster**

A New Air Shower Array at Mount Chacaltaya

**net-buitink-SJ-abs1-he13-oral**

Electric field influence on the radio emission of air showers

**net-buitink-SJ-abs2-he13-poster**

Radio emission of highly inclined cosmic ray air showers measured with LOPES

**net-nigl-A-abs1-he13-oral**

An Outreach Project for LOFAR and Cosmic Ray Detection

**net-timmermans-C-abs1-he13-oral**

Setup and first results of the HiSPARC experiment

**pol-bednarek-W-abs2-he13-poster**

Pulsar contribution to the cosmic rays between the knee and the ankle

**pol-zabierowski-J-abs1-he13-poster**

Muon Tracking In KASCADE-Grande: CORSIKA Simulation Study

**rom-brancus-IM-abs1-he13-oral**

Event - by - event studies of the discriminative features of the LDF of charged EAS particles: observable correlations and non-parametric analyses of multivariate distributions

**rus-denisova-VG-abs1-he13-oral**

Attenuation length of  $\gamma$ -families derived from Pamir data

**rus-nikiforova-E-abs2-he13-poster**

Seasonal Variations of Extensive Air Showers with Energies from  $10^{17}$  to  $10^{18}$  eV

**uzb-yuldashbev-T-abs1-he13-poster**

A study of Primary Mass Composition by XREC method at the energies 10-100 PeV

## **HE 1.4.**

**arg-badagnani-D-abs1-he14-oral**

Pushing sensitivity of AGASA array to EHE gamma primaries

**arg-bertou-X-abs1-he14-oral**

Performance of the Pierre Auger Observatory Surface Array

**arg-dova-MT-abs1-he14-oral**

Hinting at primary composition using asymmetries in time distributions

**arg-sciutto-SJ-abs1-he14-oral**

Current status of the AIREs air shower simulation system.

**aus-bellido-J-abs1-he14-oral**

Performance of the Fluorescence Detectors of the Pierre Auger Observatory

**bra-bonifazi-C-abs1-he14-oral**

Angular Resolution of the Pierre Auger Observatory

**bra-desouza-V-abs1-he14-poster**

Lateral width of shower image in the Auger fluorescence detector.

**bra-desouza-V-abs2-he14-oral**

Analysis of shower size as estimator of extensive air shower energy

**bra-desouza-V-abs3-he14-poster**

Acceptance of fluorescence detectors for photons and its implication in energy spectrum inference at the highest energies

**bra-escobar-CO-abs2-he14-poster**

Alternative energy estimation from the shower lateral distribution function

**bra-etchegoven-A-abs2-he14-poster**

The importance of muon information on primary mass discrimination of ultra-high energy cosmic rays

**bra-medinatenco-G-abs1-he14-oral**

Cosmic magnetic field uncertainties and the constraints in top-down ultra-high energy cosmic ray models

**bra-medinatenco-G-abs3-he14-poster**

Dependence of the energy reconstruction precision on shower arrival direction and core location in a regular surface detector array

**bra-medinatenco-G-abs4-he14-poster**

The observational signatures of ultra-high energy cosmic rays in the Galactic Center

**bra-ortiz-JA-abs1-he14-poster**

Analysis of extensive air showers with the hybrid code SENECA

**cze-bohacova-M-abs1-he14-poster**

AIRFLY: Measurement of the fluorescence yield in atmospheric gases

**fra-capdevielle-JN-abs1-he14-oral**

Validity of the estimators of primary energy in giant EAS

**fra-hamilton-JC-abs1-he14-oral**

Coverage and large scale anisotropies estimation methods for the Pierre Auger Observatory

**fra-letessier-selvon-A-abs1-he14-oral**

Anisotropy Studies Around the Galactic Center at EeV Energies with Auger Data

**fra-parizot-E-abs1-he14-poster**

Aperture calculation of the Pierre Auger Observatory surface detector

**fra-revenu-B-abs1-he14-oral**

Search for localized excess fluxes in Auger sky maps and prescription results

**fra-semikoz-D-abs1-he14-oral**

GZK Photons in the Ultra High Energy Cosmic Rays.

**fra-suomivi-T-abs1-he14-poster**

Response of the Pierre Auger Observatory Water Cherenkov Detectors to Muons

**fra-zech-A-abs1-he14-poster**

Studies of Systematic Uncertainties in the HiRes-II Measurement of the UHECR Spectrum.

**ger-drescher-H-abs1-he14-oral**

Air Shower Properties with the Gluon Saturation Model BBL

**ger-engel-R-abs1-he14-poster**

Top-Down Reconstruction of Ultrahigh Energy Air Showers

**ger-engel-R-abs2-he14-oral**

Dependence of the longitudinal shower profile on the characteristics of hadronic multiparticle production

**ger-huege-T-abs1-he14-oral**

Fluctuations in the EAS radio signal derived with improved Monte Carlo simulations based on CORSIKA

**ger-kachelriess-M-abs1-he14-oral**

High energy cosmic rays and the Galactic magnetic field

**ger-kampert-K-abs3-he14-poster**

Validation of the Real and Simulated Data of the Pierre Auger Fluorescence Telescopes

**ger-keilhauer-B-abs1-he14-oral**

Nitrogen fluorescence yield in dependence on atmospheric conditions

**ger-keilhauer-B-abs2-he14-poster**

Atmospheric Profiles at the Southern Pierre Auger Observatory and their Relevance to Air Shower Measurement

**ger-nerling-F-abs1-he14-oral**

Parameterisation of Cherenkov light production in high-energy showers

**ger-nerling-F-abs2-he14-poster**

Impact of a new Cherenkov light parameterisation on the reconstruction of shower profiles from Auger hybrid data

**ger-ostapchenko-S-abs1-he14-oral**

Hadronic Interactions in QGSJET-II: Physics and Results

**ger-ostapchenko-S-abs2-he14-poster**

Extensive Air Shower Simulation Program CONEX: Matching Monte Carlo and Numerical Methods

**ger-risse-M-abs1-he14-poster**

Derivation of upper limit on the photon fraction using the highest-energy AGASA cosmic rays

**ger-risse-M-abs2-he14-oral**

Upper limit on the primary photon fraction from the Pierre Auger Observatory

**ger-shinozaki-K-abs3-he14-poster**

Chemical composition of ultra-high energy cosmic rays estimated by muon measurement with AGASA

**gre-fokitis-E-abs2-he14-poster**

AIRES EAS Simulations for the Energy Estimation of UHECR

**ind-devgoswami-U-abs2-he14-poster**

New results from Gauhati University miniarray detector

**ind-saikia-J-abs1-he14-oral**

On primary mass composition of giant air showers

**ita-ghia-P-abs1-he14-oral**

Statistical and systematic uncertainties in the event reconstruction and  $S(1000)$  determination by the Pierre Auger surface detector

**ita-margiotta-A-abs2-he14-poster**

Search for exotic contributions to atmospheric neutrino oscillations

**jap-takeda-M-abs1-he14-poster**

A possible cosmic ray source in TeV and EeV from the direction around the Cygnus Loop

**mex-nellen-L-abs1-he14-oral**

Detection of Very Inclined Showers with the Auger Observatory

**pol-Giller-M-abs1-he14-oral**

A new parameterisation of the longitudinal shower development

**pol-gora-D-abs1-he14-oral**

Universality of the lateral distribution of energy deposit in extensive air showers

**pol-smialkowski-A-abs1-he14-poster**

Multiple scattering of the fluorescence light from EAS

**pol-wieczorek-G-abs1-he14-poster**

Similarity of the extensive air showers—an application to their reconstruction from a fluorescence light detector

**pol-wilczynska-B-abs1-he14-poster**

Variability of atmospheric depth profiles

**pol-wilczynski-H-abs1-he14-poster**

Atmospheric multiple scattering of fluorescence and Cherenkov light from air shower

**rus-dedenko-LG-abs1-he14-oral**

Estimates of the Muon Signal in Giant Air Showers Induced by the Primary Photons

**rus-dedenko-LG-abs2-he14-poster**

Simulations of Lateral Distributions of a Signal Produced in Scintillation Detectors by Giant Air Showers

**rus-dedenko-LG-abs3-he14-poster**

A Calibration of Energy Estimates of Giant Air Showers with Help of the Cherenkov Radiation

**rus-ivanov-AA-abs1-he14-poster**

Resolvent approach to the Volterra equation as a tool for EAS modeling

**rus-mikhailov-AA-abs1-he14-oral**

Estimate of the Mass Composition of Ultrahigh Energy Cosmic Rays

**rus-mikhailov-AA-abs2-he14-poster**

Clusters of Cosmic Rays above  $4.10^{19}$  eV

**rus-mikhailov-AA-abs3-he14-poster**

Extensive air showers without muon component

**rus-nikiforova-E-abs1-he14-oral**

Increase in the Absorption Length of Inclined Extensive Air Showers with Different Selection Types

**rus-pravdin-MI-abs1-he14-poster**

Estimation of the giant shower energy at the Yakutsk EAS Array

**rus-pravdin-MI-abs2-he14-poster**

Multipolar Anisotropy in the Arrival Directions of  $E_0 \geq 8 \times 10^{18}$  eV Cosmic Rays

**rus-pravdin-MI-abs3-he14-poster**

Spectra of Above  $10^{17}$  eV Cosmic Rays from the Different Sky Regions by Yakutsk EAS Array Data

**rus-ptuskin-V-abs2-he14-poster**

On the Nature of Events with Energies Above the Energy of GZK Cutoff

**rus-shozieev-G-abs1-he14-oral**

Approximation of measured longitudinal development of EAS at ultra high-energies with errors taken into account

**rus-sleptsova-VR-abs1-he14-poster**

Possible influence of quark-gluon plasma formation on lateral distributions of charged particles and muons in EAS.

**spa-arqueros-F-abs2-he14-oral**

Dependence of the Air-Fluorescence Yield on Electron Energy

**spa-arqueros-F-abs3-he14-poster**

Experimental determination of air fluorescence yield from lowenergy electrons (LEEAF experiment)

**spa-zas-E-abs2-he14-poster**

Depth Development of Extensive Air Showers from Muon Time Distributions

**uki-analisa-M-abs1-he14-oral**

The mass of cosmic rays above  $10^{17}$  eV

**usa-allison-PS-abs1-he14-poster**

Calibration of the surface array of the Pierre Auger Observatory

**usa-bauleo-PM-abs2-he14-poster**

Measurement of Lateral Distribution Function of UHECR Air shower with the Pierre Auger Observatory

**usa-bauleo-PM-abs3-he14-poster**

Measurement of atmospheric aerosols in southeast Colorado using backscatter LIDAR and a shadow-band solar radiometer

**usa-belov-K-abs1-he14-oral**

$p$ -air inelastic cross-section at ultra-high energies.

**usa-belz-J-abs1-he14-poster**

Arrival Directions of Ultra-High Energy Cosmic Rays within The HiRes-I Monocular Dataset: A Search for Overlaps with the Reported AGASA Clusters

**usa-belz-J-abs2-he14-poster**

Search for Pointlike Sources of Cosmic Rays with Energies above  $10^{18.5}$  eV in the HiRes-I Monocular Dataset

**usa-bergman-D-abs1-he14-poster**

Monocular UHECR Spectrum Measurements from HiRes

**usa-bergman-D-abs2-he14-poster**

UHECR Composition Measurements Using the HiRes-II Detector

**usa-bergman-D-abs3-he14-oral**

Fitting the HiRes Spectra

**usa-chou-A-abs1-he14-poster**

An Universal Description of the Particle Flux Distributions in Extended Air Showers

**usa-chou-A-abs2-he14-oral**

A New Technique to Measure Cosmic Ray Energy and Composition Via (2+1)d Lateral Distribution Function Fits to Surface Detector Array Data

**usa-connolly-B-abs1-he14-poster**

A Likelihood Method for Measuring the Ultrahigh Energy Cosmic Ray Composition

**usa-connolly-B-abs2-he14-poster**

Correlations of Ultrahigh Energy Cosmic Rays with BL Lac Objects - Is there Evidence for Neutral Primaries ?

**usa-finley-C-abs1-he14-oral**

Search for Cross-Correlations of UltraHigh-Energy Cosmic Rays With BL Lacertae Objects

**usa-jui-CCH-abs2-he14-poster**

$X_{\max}$  and energy systematic errors due to molecular atmosphere variations.

**usa-lhenry-yvon-I-abs1-he14-poster**

The trigger system of the Pierre Auger Surface Detector: operation, efficiency and stability

**usa-lynn-T-abs1-he14-oral**

Studies of Air Showers above  $10^{18}$  eV with the CHICOS Array

**usa-mannel-EJ-abs1-he14-oral**

Preliminary Results on the High Energy Cosmic Ray Spectrum from the Stereo Analysis of the HiRes Fly's Eye Data.

**usa-martens-K-abs1-he14-oral**

Limits on the Diffuse Neutrino Flux from HiRes Data

**[usa-matthews-James-abs1-he14-poster](#)**

Studies of Signal Waveforms From the Water-Cherenkov Detectors of the Pierre Auger Observatory

**[usa-matthews-James-abs2-he14-oral](#)**

A description of some ultra high energy cosmic rays observed with the Pierre Auger Observatory

**[usa-matthews-John-abs1-he14-poster](#)**

Cross-checks of the HiRes Monocular Flux Measurements

**[usa-matthews-John-abs3-he14-poster](#)**

Calibrating the High Resolution Fly's Eye (HiRes) Detector

**[usa-mostafa-M-abs1-he14-oral](#)**

The Hybrid Performance of the Pierre Auger Observatory

**[usa-oneill-A-abs1-he14-oral](#)**

Limit on the flux of ultra-high energy photons from the HiRes Stereo Data

**[usa-sinnis-G-abs1-he14-oral](#)**

Search for a Galactic Enhancement of the Ultra-High-Energy Cosmic Rays Using the HiRes Stereo Data

**[usa-sokolsky-P-abs1-he14-oral](#)**

Comparison of UHE Composition Measurements by Fly's Eye, HiRes-prototype/MIA and Stereo HiRes Experiments

**[usa-sokolsky-P-abs2-he14-poster](#)**

UHE Composition Measurement by Stereo HiRes Experiment

**[usa-sommers-P-abs1-he14-oral](#)**

First Estimate of the Primary Cosmic Ray Energy Spectrum above 3 EeV from the Pierre Auger Observatory

**[usa-springer-W-abs1-he14-oral](#)**

Measurements of UHECR Spectrum with the HiRes detector

**[usa-thomson-G-abs1-he14-poster](#)**

Searching for Anisotropy with the HiRes-II Data

**usa-westerhoff-S-abs1-he14-oral**

Search for Point Sources of Ultra-High-Energy Cosmic Rays Above  $10^{19}$  eV Using a Maximum Likelihood Ratio Test

**usa-wiencke-LR-abs1-he14-poster**

Atmospheric Monitoring at the High Resolution Fly's Eye

## **HE 1.5.**

**arg-garcia-B-abs1-he15-poster**

Education and Public Outreach of the Pierre Auger Observatory

**arg-rovero-AC-abs1-he15-poster**

Absolute Calibration of the Auger Fluorescence Detectors

**arm-martirosov-R-abs1-he15-oral**

Status of the GAMMA experiment

**bra-escobar-CO-abs1-he15-poster**

The Performance of the Corrector Lenses for the Auger Fluorescence Detector

**chn-cao-Z-abs1-he15-oral**

The Performance of CRTNT Fluorescence Light Detector for Sub-EeV Cosmic Ray Observation

**chn-xiao-G-abs1-he15-oral**

Calibration of Photonis XP3062/FL Photomultiplier Tube

**egy-sherif-MM-abs1-he15-oral**

Muon-Induced Air Showers Affecting CMS Tracking Detector

**fra-aublin-J-abs1-he15-poster**

Generalized 3D-reconstruction method of dipolar and quadripolar anisotropies in cosmic-ray distributions

**fra-gorodetzky-P-abs1-he15-poster**

UV Light Shower Simulator for Fluorescence and Cerenkov Radiation Studies

**fra-lamblin-J-abs1-he15-oral**

Radio detection of Extensive Air Showers with CODALEMA

**[fra-lebrun-D-abs1-he15-poster](#)**

Land and sea BRDF laboratory measurements at 360 nm in view of ground reflected Cherenkov light detection in EUSO.

**[fra-lefeuvre-G-abs1-he15-poster](#)**

Measurement of the absolute fluorescence yield in Nitrogen between 0.5 and 2.3 MeV

**[fra-niess-V-abs1-he15-oral](#)**

Studies of underwater acoustic detection of ultra-high energy neutrinos in ANTARES

**[ger-haungs-A-abs1-he15-oral](#)**

Muon Density Measurements with KASCADE-Grande

**[ger-haungs-A-abs2-he15-poster](#)**

LOPES30: A digital antenna array for measuring high-energy cosmic ray air showers

**[ger-keilhauer-B-abs3-he15-poster](#)**

Measurement of the Air Fluorescence Yield with the AirLight Experiment

**[ger-rebel-H-abs2-he15-poster](#)**

A self-triggered, high-resolution data acquisition system for the KASCADE-Grande experiment

**[ger-szadkowski-Z-abs1-he15-oral](#)**

16-point Discrete Fourier Transform based on the Radix-2 FFT algorithm implemented into Cyclone FPGA as the UHERC trigger for horizontal air showers.

**[ger-teshima-M-abs1-he15-poster](#)**

EUSO Science

**[gre-fokitis-E-abs1-he15-oral](#)**

Use of the Fabry-Perot Interferometer for atmospheric and night sky background monitoring in EAS detection

**[ind-bezboruah-T-abs1-he15-poster](#)**

A small prototype 'Linsley-effect' detector

**[ind-rajbongshi-SC-abs1-he15-oral](#)**

Performance of RPC operated at the mini-array laboratory

**[ind-razdan-A-abs3-he15-poster](#)**

Multifractal nature of extensive air showers

**ind-saikia-N-abs1-he15-oral**

New Experimental set up for UHE Cosmic Ray Detection.

**ita-bindi-V-abs1-he15-oral**

Time of Flight read out system of the AMS-02 experiment

**ita-camarri-P-abs1-he15-oral**

Control and monitoring of the ARGO-YBJ detector

**ita-iacovacci-M-abs1-he15-oral**

The RPC charge read-out in the ARGO-YBJ experiment

**ita-insolia-A-abs1-he15-poster**

Optical Relative Calibration and Stability Monitoring for the Auger Fluorescence Detector

**ita-maccarone-M-abs1-he15-poster**

Requirements and Simulation Study of the Performance of EUSO as External Payload on board the International Space Station

**ita-marrocchesi-P-abs1-he15-oral**

Reconstruction of showers in the calorimeter during the first flight of the CREAM balloon experiment

**ita-petrera-S-abs1-he15-poster**

Fluorescence and Hybrid Detection Aperture of the Pierre Auger Observatory

**ita-petrera-S-abs2-he15-poster**

Measurement of the Sky Photon Background Flux at the Auger Observatory

**ita-petrolini-A-abs1-he15-oral**

UHECR observation from space and the ESA Cosmic Vision Programme

**ita-rodriguezmartino-J-abs1-he15-poster**

Quality studies of the data taking conditions for the Auger Fluorescence Detector

**ita-scarsi-L-abs3-he15-oral**

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**ita-stanescu-C-abs1-he15-oral**

The ARGO-YBJ data processing and the evolution of the computing model to a GRID approach.

**ita-thea-A-abs1-he15-oral**

Simulation study of a space based UHECR detector

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The Euso Simulation and Analysis Framework

**jap-ebisuzaki-T-abs1-he15-oral**

Orbital assembly of very large wide-angle telescopes for EAS observation from space beyond  $10^{21}$  eV with the possible second phases of EUSO on and from ISS

**jap-fukushima-M-abs1-he15-oral**

Telescope Array; Status and Prospects

**jap-inoue-N-abs2-he15-poster**

MAPMT Ageing Tests for High-Intensity Incident Lights and High Voltage Switching

**jap-iyono-A-abs2-he15-poster**

The EAS time profile measurements in Large Area Air Shower experiments

**jap-kajino-F-abs1-he15-poster**

Multi-channel High Voltage Power Supply System for the Focal Surface Detector of the EUSO Telescope

**jap-katayose-Y-abs1-he15-poster**

Development of YAC (Yangbajing Air shower core array) to be used for next phase of Tibet experiment

**jap-kawakami-S-abs1-he15-poster**

Performance of the Surface Scintillation Detector for The Telescope Array

**jap-kawasaki-Y-abs1-he15-poster**

Characteristics of Multi-Anode PhotoMultiplier Tube for the EUSO Focal Surface Detector

**jap-ogio-S-abs1-he15-poster**

Atmospheric Monitoring Using Radiosonde Data for TA

**jap-ogio-S-abs2-he15-oral**

Telescope Array; Progress of Fluorescence Detector

**jap-ozawa-S-abs1-he15-oral**

The System of DAQ for TA Surface Array

**jap-sagawa-H-abs1-he15-oral**

Telescope Array; Progress of Surface Array

**jap-sakaki-N-abs1-he15-oral**

Fluorescence in damp air and comments on the radiative life time

**jap-sako-T-abs2-he15-oral**

LHCf : A new experiment to study very forward particle emission at LHC

**jap-sakurai-N-abs1-he15-oral**

Telescope Array; Simulation and Data Analysis

**jap-sasaki-M-abs1-he15-oral**

Status of the Ashra Project

**jap-sato-M-abs1-he15-poster**

Continuous Measurements of Upper Atmospheric Lightning Discharges by EUSO

**jap-suzuki-N-abs1-he15-poster**

A new fast timing scintillation detector

**jap-taketa-A-abs1-he15-poster**

Data Digitization and Fluorescence Signal Recognition for Telescope Array Experiment

**jap-takizawa-Y-abs1-he15-poster**

Development of Elementary Cell module for the EUSO Focal Surface Detector

**jap-tamada-M-abs2-he15-poster**

Measurement of high energy atmospheric families using image scanner

**jap-tokuno-H-abs1-he15-poster**

Calibration of The Telescope Array Air Fluorescence Detector

**jap-tokuno-H-abs2-he15-poster**

Trigger Electronics for The TA Fluorescence Detector

**jap-tokuno-H-abs3-he15-poster**

Measurement of Chemical Composition Using Telescope Array

**jap-tsuji-S-abs1-he15-poster**

The Observation System of EAS Muon Component with the EAS Array and the Muon Spectrometer

**jap-uchihori-Y-abs1-he15-poster**

Radiation test for electric parts of EUSO Photo Detector Module

**jap-yoshida-S-abs1-he15-poster**

Characterization of the PMTs for the Telescope Array experiment

**net-lafebre-S-abs1-he15-oral**

A Cosmic Ray Trigger for LOFAR: First results

**net-nigl-abs2-he15-poster**

A Cosmic Ray Trigger for LOFAR

**rus-chubenko-A-abs1-he15-poster**

Prototype of Neutron Detector Based on Boron-Containing Plastic Scintillator

**rus-kochanov-A-abs1-he15-poster**

Study of a possibility of acoustic detection of super high energy neutrino in Lake Baikal

**rus-kuzmichev-LA-abs1-he15-poster**

The Tunka Experiment: Towards a 1-km<sup>2</sup> Cherenkov EAS Array in the Tunka Valley

**rus-matveev-S-abs1-he15-poster**

Prototype of hydroacoustic antenna for registration of EAS cores

**rus-tkachev-L-abs1-he15-poster**

Status of the Space Experiment TUS for UHECR Study

**tai-liu-TC-abs1-he15-oral**

FLASH-TW experiment status report

**uki-imponente-G-abs1-he15-oral**

The EEE Project

**usa-belz-J-abs3-he15-oral**

The FLASH Thick Target Experiment: Direct Measurement of Air Fluorescence Yield in Electromagnetic Showers

**usa-benzvi-S-abs1-he15-poster**

Development of a FADC Data Acquisition System for Cosmic Ray Detection at 10<sup>18</sup> eV

**usa-busca-N-abs1-he15-poster**

Observing muon decays in water Cherenkov detectors at the Pierre Auger Observatory

**usa-chirkin-D-abs1-he15-oral**

IceCube: Initial Performance

**usa-covault-C-abs2-he15-poster**

Timing Calibration and Synchronization of Surface and Fluorescence Detectors of the Pierre Auger Observatory

**usa-duvernois-M-abs2-he15-poster**

Geosynchrotron radio pulse emission from extensive air showers: Simulations with AIRES

**usa-gaisser-TK-abs1-he15-oral**

Air showers with IceCube: First Engineering Data

**usa-healy-MD-abs1-he15-poster**

Observation of the Long Term Stability of Water Stations in the Pierre Auger Surface Detector

**usa-huitemeyer-P-abs1-he15-poster**

The FLASH Thin Target Experiment: A Precision Optical Calibration of the FLASH Thin Target Experiment

**usa-huitemeyer-P-abs2-he15-oral**

The FLASH Thin Target Experiment: Total and Spectrally Resolved Air Fluorescence Yield Measurement using 28.5 GeV electrons

**usa-jui-CCH-abs1-he15-oral**

The Telescope Array Low Energy Extension (1): the 6-km Stereo Detector

**usa-luszczek-E-abs1-he15-poster**

Radio Pulse Emission in Air Showers and Dense Media

**usa-malek-M-abs1-he15-poster**

The Central Laser Facility at the Pierre Auger Observatory

**usa-matthews-John-abs2-he15-poster**

Expanded Atmospheric Monitoring for the Utah Telescope Array

**usa-paul-T-abs1-he15-poster**

The Offline Software Framework of the Pierre Auger Observatory

**usa-roberts-M-abs1-he15-poster**

Atmospheric aerosol monitoring at the Pierre Auger Observatory

**usa-takahashi-Y-abs1-he15-oral**

Air shower functioning as an autonomous Light Detection and Ranging (LIDAR) for cloudy weather in EHECR observations from space

**usa-takahashi-Y-abs2-he15-poster**

Further advancement of wide-angle EUSO telescope with holographic and Fresnel lenses

**usa-thomson-G-abs2-he15-oral**

The Telescope Array Low Energy Extension

**usa-thomson-G-abs4-he15-poster**

The Telescope Array Low Energy Extension: the Tower Detector

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**arg-badagnani-D-abs2-he21-poster**

A New Preshower MC code for AIREIS

**egy-kamel-S-abs1-he21-poster**

Yield and transverse momentum of relativistic hydrogen isotopes in photonuclear spallation of  $^{32}\text{S}$  ions at 200A GeV

**egy-sherif-MM-abs2-he21-poster**

Production and Interaction of some Exotic Nuclei at High Energy

**fra-derome-L-abs1-he21-oral**

Precise simulation of secondary particle production and propagation in the atmosphere

**fra-derome-L-abs2-he21-poster**

Parameterization of inclusive double differential cross section for secondary particle production in the atmosphere.

**ger-roth-M-abs1-he21-oral**

Hadronic multiparticle production in extensive air showers and accelerator experiments

**ind-devgoswami-U-abs1-he21-oral**

Asymmetry in charmed hadron production in pp collisions

**ind-devgoswami-U-abs3-he21-poster**

Higgs boson production in UHECR interactions with air nuclei

**ind-panda-S-abs1-he21-oral**

Detecting Ultra High Energy Muons In Iron Calorimeter Detectors

**ind-panda-S-abs2-he21-poster**

Ultra High Energy Cosmic Rays from Early Decaying Primordial Black Holes

**ind-pareek-D-abs1-he21-poster**

Experimental setup and observation of comet Hyakutake

**ita-garbini-M-abs1-he21-oral**

Study of muon-induced neutron production, propagation and energy spectrum with the LVD detector at LNGS.

**ita-giovacchini-F-abs1-he21-oral**

Performances of AMS-02 Time of Flight

**ita-quadrani-L-abs1-he21-oral**

Optimization of Time Of Flight of the AMS-02 experiment

**jap-tamada-M-abs1-he21-oral**

The Exotic Characteristics of Centauro-I - A model to describe Centauro-I

**jap-yoshida-K-abs2-he21-poster**

Atmospheric gamma-ray observation over 100GeV with PPB-BETS by long duration balloon flight in Antarctica

**mex-zepeda-A-abs1-he21-poster**

ACORDE, a cosmic ray detector for ALICE

**pak-faridi-M-abs1-he21-oral**

Total Cross Section at Cosmic Ray Energies

**rus-bugaev-EV-abs1-he21-oral**

Neutrino from extragalactic cosmic ray interactions in far infrared background

**rus-kochanov-A-abs2-he21-poster**

Energy loss of muons and taus in inelastic scattering on nuclei

**rus-kopenkin-V-abs1-he21-poster**

Unusual structure-less event, detected at mountain altitudes, suggests a heavy primary origin particle

**rus-osedlo-VI-abs1-he21-poster**

Large transverse momenta in nuclear interaction at  $E_0 > 10^{16}$  eV detected in stratosphere (STRANA superfamily)

**rus-roganova-T-abs2-he21-poster**

Simulation of Propagation of Radioemission of High Energy Cascade Developed in Lunar Ground and Its Transfer Through Regolith-Vacuum Border

**usa-chirkin-D-abs2-he21-poster**

All Lepton Propagation Monte Carlo

**usa-goodman-M-abs1-he21-poster**

Measurement of the Muon Charge Ratio in MINOS

## **HE 2.2.**

**bra-guzzo-MM-abs1-he22-Poster**

The effect of random magnetic fields in solar neutrino spin-flavor precession

**ger-ackermann-M-abs3-he22-poster**

An investigation of seasonal variations in the atmospheric neutrino rate with the AMANDA-II neutrino telescope

**ind-baishya-R-abs1-he22-oral**

Characteristics of VLF-LF radio emission (RE) from Giant Air Shower (GAS)

**ind-ghosh-koushik-abs1-he22-oral**

Time variations of the superkamiokande solar neutrino flux data

**ind-ghosh-koushik-abs2-he22-poster**

Time variations of the solar neutrino flux data from sage and gallex-gno detectors obtained by rayleigh power spectrum analysis

**ind-mandal-AS-abs1-he22-oral**

A Proof of Chaotic Nature of the Sun through Neutrino Emission

**ind-raychaudhuri-P-abs1-he22-poster**

Solar Neutrino Flux Variation and the Neutrino Energy Spectrum

**ind-roysinha-K-abs1-he22-oral**

LF-MF Radioemission from neutrino initiated Extensive Ice Showers and Lunar Regolith Showers-A comparative Study

**jap-higuchi-I-abs1-he22-oral**

L/E analysis of the atmospheric neutrino data from Super-Kamiokande

**jap-honda-M-abs1-he22-oral**

Atmospheric neutrino and muon fluxes

**jap-nakayama-S-abs1-he22-oral**

Study of Atmospheric Neutrino Oscillations in SK-I and SK-II

**jap-takahashi-N-abs1-he22-poster**

The Relation between the incident neutrino energy spectrum and fundamental parameters for the neutrino oscillation

**mex-zepeda-A-abs2-he22-poster**

Estimation of the detectable flux of astrophysical neutrinos at the Pierre Auger observatory by means of horizontal air showers

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Influence of the regeneration by neutral currents in the observable flux of upward-going muons induced by astrophysical neutrinos

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Atmospheric Neutrinos in Soudan 2

**usa-habig-A-abs2-he22-oral**

Neutrino-induced muons observed with MINOS

**usa-kato-T-abs1-he22-oral**

A Search for Tau Appearance in Atmospheric Neutrinos with Super-Kamiokande

**usa-ruddick-K-abs1-he22-oral**

Atmospheric neutrino contained events in MINOS

**usa-smy-M-abs1-he22-oral**

Low Energy Neutrinos in Super-Kamiokande: Past Successes, New Results, and Future Plans

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### [bel-hubert-D-abs1-he23-oral](#)

Search for neutralino dark matter with the AMANDA neutrino detector

### [chn-ma-Xinhua-abs1-he23-oral](#)

A Search for Low Velocity Exotic Particles with the L3+C Spectrometer

### [chn-ma-Y-abs1-he23-poster](#)

Search for Kolar-like Events from L3+C Data

### [chn-zhang-Chao-abs1-he23-oral](#)

Possibility to Detect Upgoing Sleptons

### [fra-pochon-J-abs1-he23-oral](#)

Dark Matter Searches with AMS-02

### [ger-sander-C-abs1-he23-oral](#)

Egret excess of diffuse galactic gamma rays as tracer of Dark Matter

### [ger-wischnewski-R-abs2-he23-poster](#)

Search for relativistic magnetic monopoles with the Baikal neutrino telescope NT200

### [ind-bhattacharjee-P-abs1-he23-oral](#)

A Common Origin of the Highest Energy Cosmic Rays and Baryon Asymmetry of the Universe?

### [ind-saha-SK-abs1-he23-oral](#)

A highly unusual cosmic ray event at mountain altitude

### [ind-samui-S-abs1-he23-oral](#)

Can Cosmic Rays Heat the Intergalactic Medium?

### [ind-shah-GN-abs3-he23-poster](#)

Are Elementary Particle Masses Related ?

### [ita-cecchini-S-abs2-he23-oral](#)

Search for massive rare particles with the SLIM experiment

### [jap-muraki-Y-abs1-he23-poster](#)

Neutrino mass and the Void structure of our Universe

**por-tome-B-abs1-he23-oral**

Sensitivity of large air shower experiments for new physics searches

**rus-kopenkin-V-abs3-he23-oral**

Exotic cosmic ray families: a new class of events or an unknown mode of activity of a known source

**rus-ryazhskaya-O-abs1-he23-oral**

The Measurement of the Total Specific Muon-Generated Neutron Yield Using LVD

**rus-stenkin-Y-abs2-he23-poster**

Search For Aligned Events In Muon Groups Deep Underground

**rus-vavilov-YN-abs1-he23-poster**

Investigation of delaying penetrating particles with an underground device at Tien-Shan station

**rus-yakovlev-V-abs1-he23-oral**

Possible reasons why LFC has not been found in the KASCADE calorimeter

**uki-imponente-G-abs2-he23-poster**

Production mechanisms of multiple primaries for Cosmic Rays Showers

**usa-gonzalez-J-abs1-he23-oral**

Signatures of air showers induced by gluinos within the context of split-SUSY

**usa-habig-A-abs3-he23-poster**

High-Energy Neutrino Astronomy with the Super-Kamiokande Detector

**usa-mckay-D-abs1-he23-poster**

Using RICE Data and GZK Neutrino Flux Models to Bound Low Scale Gravity

## **HE 2.4.**

**bul-mishev-A-abs3-he24-poster**

Investigation of several trigger systems and selection for different cosmic ray primaries for HECRE experiment proposal

**ger-kampert-K-abs1-he24-poster**

Photomultiplier Qualification Tests for the Fluorescence Detectors of the Pierre Auger Observatory

**ind-basu-B-abs1-he24-oral**

Characterization of a polymer as a heavy ion detector

**ita-bonechi-L-abs1-he24-poster**

Development of the ADAMO detector: test with cosmic rays at different zenith angles

**ita-riccobene-G-abs1-he24-oral**

On-line monitoring of underwater acoustic background at 2000 m depth

**ita-zuccon-P-abs1-he24-oral**

The AMS Tracker Performance

**rus-yanke-VG-abs1-he24-poster**

Scintillation spectrometric supertelescope for cosmic ray muons monitoring

**swi-lechanoine-leluc-C-abs2-he24-poster**

The AMS-02 Tracker

**swi-swain-J-abs1-he24-oral**

SCROD: A new approach to large school based cosmic ray experiments

**swi-swain-J-abs2-he24-poster**

New pixellated avalanche photodiodes with remarkable properties for cosmic ray experiments

**uki-mcmahon-R-abs1-he24-oral**

The Alpha Magnetic Spectrometer Superconducting Magnet

**usa-diwan-M-abs1-he24-oral**

Neutrino Beam data in the MINOS (Main Injector Neutrino Oscillation Search) experiment

**usa-goodman-M-abs3-he24-oral**

Calculations of Muon Induced Backgrounds for Double Chooz

**usa-habig-A-abs1-he24-poster**

The MINOS Detectors