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2-P-296 Mass Formulae for Particles  
Michi Turu

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**HE 3.4**

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

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

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## **OG: Oral Sessions**

OG: Cosmic Ray Origin and Galactic Phenomena

### **July 31**

14:30–16:30      Convention Hall 300

**OG 1.1**

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

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

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

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

---

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

---

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

---

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

---

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

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

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10 Cosmic Ray  $^3\text{He}$  and  $^4\text{He}$  Spectra from BESS 98  
Zachary D. Myers and E. S. Seo

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### **August 1**

9:10–10:34      Convention Hall 300

**OG 1.1**

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

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

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

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- 14 Cosmic-Ray Proton and Helium Spectra Measured with BESS-TeV  
Sadakazu Haino for the BESS Collaboration
- 
- 15 Rigidity Spectra of Protons and Helium as Measured in the First Flight of the ATIC Experiment  
Victor I. Zatsepin et al.
- 
- 16 Atic Experiment: Elemental Spectra from the Flight in 2000  
Hoseok Ahn for the ATIC-1 Collaboration
- 
- 17 Primary Proton and Helium Spectra Observed by RUNJOB Collaboration  
Makoto Hareyama for the RUNJOB Collaboration
- 

14:30–16:30      Convention Hall 300

**OG 1.1**

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- 18 The ATIC Science Flight in 2002-03: Description and Preliminary Results  
John P. Wefel et al.
- 
- 19 Relative Abundances and Energy Spectra of C, N, and O as Measured by the Advanced Thin Ionization Calorimeter Balloon Experiment  
Ali Reza Fazely et al.
- 
- 20 Energy Spectra and Relative Abundances of Heavy Cosmic-Ray Nuclei around 1 TeV/Nucleon  
Dietrich Muller et al.
- 
- 21 Primary Heavy Components Spectra and 2-ry/1-ry Ratio Observed by RUNJOB Collaboration  
S. Kuramata for the RUNJOB Collaboration
- 
- 22 The CAKE Balloon Experiment  
Stefano Cecchini et al.
- 
- 23 All Particle Spectrum, Average Mass from RUNJOB Data  
L. G. Sveshnikova for the RUNJOB Collaboration
- 

**OG 1.5**

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- 1 Atmospheric Protons and Antiprotons from Sea Level to Satellite Altitudes  
Laurent Derome et al.
- 
- 2 Calculation of Cosmic-Ray Proton and Anti-Proton Spatial Distribution in Magnetosphere  
Michio Fuki, A. Kuwahara, and N. Sawada
- 
- 3 BESS-Polar Experiment  
Tetsuya Yoshida for the BESS Collaboration
- 
- 4 High Energy Electron Observation by Polar Patrol Balloon Flight in Antarctica  
Shoji Torii et al.
- 

17:30–19:42      Convention Hall 300

**OG 1.5**

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- 5 CREAM for High Energy Composition Measurements  
Eun-Suk Seo et al.
- 
- 6 Design and Construction of the Silicon Charge Detector for the CREAM Mission  
H. Park et al.
- 
- 7 Status of the PAMELA Experiment On-Board of the Resurs DK-1 Spacecraft  
Manfred Simon on behalf of the Pamela Collaboration
- 
- 8 PAMELA Space Mission: The Transition Radiation Detector  
Francesco S. Cafagna et al.
- 
- 9 The Anticounter System of the PAMELA Space Experiment  
Mark Pearce et al.
-

- 
- 10 The Alpha Magnetic Spectrometer on the International Space Station  
Simonetta Gentile for the AMS-02 Collaboration
- 
- 11 Cosmic-Ray Astrophysics with AMS-02  
Jorge Casaus for the AMS-02 Collaboration
- 
- 12 The Superconducting Magnet System of the Alpha Magnetic Spectrometer AMS-02  
Bertrand Blau et al.
- 
- 13 The AMS-02 RICH Imager Prototype In-Beam Tests with 20 GeV/c per Nucleon Ions  
Michel J. Buenerd et al.
- 
- 14 The AMS-02 TRD for the International Space Station  
Simonetta Gentile for the AMS 02/TRD Group
- 
- 15 AMS-02 Electronics  
Eduardo Cortina for the AMS 02 Collaboration
- 

## August 2

9:10–10:34 Convention Hall 300

### OG 1.5

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- 16 The CALorimetric Electron Telescope, CALET, Mission for the International Space Station  
Shoji Torii for the CALET Collaboration
- 
- 17 Compatibility of CALorimetric Electron Telescope (CALET) for JEM Exposed Facility on International Space Station  
Masahiro Takayanagi for the CALET Collaboration
- 
- 18 Expected Performance of CALET from Simulation  
Jin Chang for the CALET Collaboration
- 
- 19 NUCLEON Satellite Mission. Status and Plans  
George Bashindzhagyan et al.
- 
- 20 The KLEM-NUCLEON Instrument Detailed Simulation  
Andrey N. Turundaevsky et al.
- 
- 21 The Modern Concept of the INCA Project  
Rauf A. Mukhamedshin for the INCA Collaboration
- 
- 22 The Russian-US INTREPID Project  
Rauf A. Mukhamedshin et al.
- 

11:05–12:17 Convention Hall 300

### OG 1.5

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- 23 Comparison of a Transition Radiation Detector Response with Numerical Simulations  
Simon P. Swordy, Patrick Boyle, and Scott Wakely
- 
- 24 Transition Radiation Detectors for Cosmic Rays near the Knee  
Scott P. Wakely et al.
- 
- 25 RIO: The R-Process Isotope Observer  
B. A. Weaver and A. J. Westphal
- 

### OG 1.2

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- 1 A Possible Causal Relation of the Source Composition of Cosmic Rays with the Elemental Depletion in the Interstellar Space  
Kunitomo Sakurai
- 
- 2 Refractory Nuclides in the Cosmic-Ray Source  
M. E. Wiedenbeck et al.
-

- 
- 3 Confidence Levels for Distinguishing Galactic Cosmic-Ray Source Models  
B. A. Weaver and A. J. Westphal
- 

14:30–16:18 Convention Hall 300 (1/2 parallels)

**OG 2.4**

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- 1 Spectral Properties of “Classical” GRBs Seen by HETE-2 Satellite  
Atsumasa Yoshida et al.
- 
- 2 Timing Properties of GRBs Detected by HETE-2  
Motoko Suzuki et al.
- 
- 3 GRB with INTEGRAL  
Nicolas Produit
- 
- 4 Expected Event Rate of Subhundred-GeV Gamma Ray Bursts Using the Tibet-III Air Shower Array with Single Particle Counting Technique  
Harufumi Tsuchiya for the Tibet ASgamma Collaboration
- 
- 5 Search for Sub-TeV Gamma Rays Coincident with BATSE Gamma Ray Bursts  
Christopher P. D’Andrea et al.
- 
- 6 Search for Neutrinos from Gamma-Ray Bursts Using Super-Kamiokande  
Dusan Turcan for the Super-Kamiokande Collaboration
- 
- 7 Searching for High Energy Muon Neutrinos from Gamma-Ray Bursts with AMANDA  
Gary Hill for the AMANDA Collaboration
- 
- 8 X-Ray and Gamma Ray Bursts from Collapsing Stars  
Volodymyr Kryvdyk
- 
- 9 The Log-Normal Distributions of Coronal Mass Ejection-Related Solar Flares and the Flare/CME Model of Gamma-Ray Bursts  
Seiichiro Aoki, S. Yashiro, and K. Shibata
- 

14:30–16:18 Conference Room 202 (2/2 parallels)

**OG 1.3**

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- 1 Propagation of Light Elements in the Galaxy  
Igor V. Moskalenko et al.
- 
- 2 Antiprotons in CR: What Do They Tell Us?  
Igor V. Moskalenko et al.
- 
- 3 Dissipation of Hydromagnetic Waves on Energetic Particles: Impact on Interstellar Turbulence and Cosmic Ray Transport  
Frank C. Jones et al.
- 
- 4 A New Thought on the Energy Dependence of the  $^{10}\text{Be}/^9\text{Be}$  Ratio  
Manfred Simon and A. Molnar
- 
- 5 Abundance Ratio of Secondary to Primary Expected from the Boundaryless Galaxy Model  
Makoto Hareyama et al.
- 
- 6 Propagation of Radioactive Secondaries in Cosmic Rays  
Toru Shibata, T. Ito, and M. Hareyama
- 
- 7 Stable and Radioactive Nuclei in a Diffusion Model  
Fiorenza Donato, D. Maurin, and R. Taillet
- 
- 8 Calculation of Elemental and Isotopic Abundance of Cosmic Rays Using Markov Stochastic Theory: The Effect of Local Superbubble  
Ashraf M. Farahat et al.
-

- 
- 9 Stochastic Effects on the Electron Spectrum above TeV Energies  
Simon P. Swordy
- 

17:30–19:18      Convention Hall 300

**OG 1.3**

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- 10 The Origin of High Energy Cosmic-Ray Electrons and nearby Supernova Remnants  
Kenji Yoshida et al.
- 

- 11 Second-Order Fermi Acceleration in the Interstellar Medium and Its Effects on Cosmic-Ray Electrons  
Yoshiko Komori
- 

**OG 1.4**

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- 1 Cosmic Ray Acceleration at Parallel Relativistic Shocks in the Presence of Finite-Amplitude Magnetic Field Perturbations  
Jacek Niemiec and M. Ostrowski
- 

- 2 Electron and Proton Acceleration in SNR  
Paolo Lipari and Giovanni Morlino
- 

- 3 Cosmic Ray Acceleration by Spiral Shocks in the Galactic Wind  
Heinrich J. Voelk and V. N. Zirakashvili
- 

- 4 Nonthermal Electron Acceleration at Supernova Shocks: Relativistic Shock Surfing Mechanism  
Masahiro Hoshino and N. Shimada
- 

- 5 Shock Acceleration and Gamma Radiation in Clusters of Galaxies  
Pasquale Blasi and S. Gabici
- 

- 6 Particle Acceleration in Clusters of Galaxies  
Motokazu Takizawa et al.
- 

- 7 Particle Acceleration and Emission in Relativistic Jets  
Ken-Ichi Nishikawa et al.
- 

**August 3**

9:10–10:34      Convention Hall 300

**OG 2.2**

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- 1 A Wide Sky Survey for TeV  $\gamma$ -Ray Sources by Using the Tibet-III Air Shower Array  
Shuwang Cui for the Tibet ASgamma Collaboration
- 

- 2 Scans of the TeV Gamma-Ray Sky with the HEGRA System of Cherenkov Telescopes  
Gerd Pühlhofer for the HEGRA Collaboration
- 

- 3 Observation of Galactic TeV Gamma Ray Sources with H.E.S.S.  
Conor P. Masterson for the H.E.S.S. Collaboration
- 

- 4 Search for Discrete Sources of Gamma-Rays ( $E \geq 30$  TeV) with the GRAPES-3 Experiment  
Dhirendra K. Mohanty for the GRAPES Collaboration
- 

- 5 EGRET Observations of Galactic Relativistic Jet Sources  
Olaf Reimer and A. Iyudin
- 

- 6 The New Unidentified TeV Source in Cygnus (TeV J2032+4130): HEGRA IACT-System Results  
Gavin Peter Rowell for the HEGRA Collaboration
- 

- 7 Can One See Gamma Rays from the Single Source Responsible for the Knee?  
Anatoly D. Erlykin and A. W. Wolfendale
-

14:30–16:30 Convention Hall 300

**OG 2.2**

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- 8 Can Gamma Ray Astronomy Disprove the Hypothesis That Cosmic Rays Originate in Supernova Remnants?  
Arnold W. Wolfendale and A. D. Erlykin

---

- 9 Observed and Expected TeV Gamma-Ray Emission from Geminga and Tycho's Supernova Remnants  
Vera Yurievna Sinitsyna et al.

---

- 10 A Search for Pulsed TeV Gamma-Ray Emission from the Crab Pulsar Using the Whipple High Resolution GRANITE III Camera  
Stephen Gammell for the VERITAS Collaboration

---

- 11 An Understanding of the Non-Thermal Radiation from the Crab Nebula  
S. Alfred Stephens and R. E. Streitmatter

---

- 12 Evidence of a Curved Cosmic-Ray Electron Spectrum in the Supernova Remnant SN 1006  
Glenn E. Allen, J. C. Houck, and S. J. Sturmer

---

- 13 TeV Gamma-Ray Observations of the Supernova Remnant RCW86 with the CANGAROO-II Telescope  
Shio Watanabe for the CANGAROO Collaboration

---

- 14 Observation of Sub-TeV Gamma-Rays from RX J0852.0– 4622 with the CANGAROO-II Telescope  
Hideaki Katagiri for the CANGAROO Collaboration

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- 15 Magnetic Field Configurations in SN 1006 NE Rim  
Ryo Yamazaki et al.

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- 16 Nuclear Cosmic Rays from Supernova Remnants  
Evgeny G. Berezhko et al.

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- 17 Evidence for Efficient Cosmic Ray Acceleration in SN 1006  
Heinrich J. Voelk, E. G. Berezhko, and L. T. Ksenofontov

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17:30–18:42 Convention Hall 300

**OG 2.2**

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- 18 Gamma-Rays from the Close Massive Binary Cyg X-3  
Agnieszka Sierpowska and W. Bednarek

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- 19 The TeV Gamma-Ray Emission Mechanism of PSR 1706–44 Based on the Multi-Wavelength Spectrum  
Junko Kushida for the CANGAROO Collaboration

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- 20 PACT Results on Very High Energy  $\gamma$ -Ray Emission from CRAB Pulsar  
Bannanje Sripathi Acharya et al.

---

- 21 Neutrons, Gamma-Rays and Neutrinos from the Galactic Centre  
Wlodek Bednarek

---

- 22 Very High Energy Gamma-Ray Observations of the Galactic Center with the CANGAROO-II Telescope  
Ken'ichi Tsuchiya for the CANGAROO Collaboration

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- 23 Search for a WIMP Annihilation Signature in the Core of the Globular Cluster M15  
Stephan L. LeBohec for the VERITAS Collaboration

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**August 5**

9:10–10:34 Convention Hall 300

**OG 2.5**

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- 1 Performance of Newly Developed Hard X-Ray Polarimeter with Multianode PMT  
Shuichi Gunji et al.

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- 2 The INTEGRAL Mission  
Nicolas Produit

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- 
- 3 Scientific Performance of the CALET Instrument for the 20MeV-10TeV Gamma-Ray Observation  
Kenji Yoshida for the CALET Collaboration

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  - 4 Optimized Pointing Strategies for Solar Tower ACTs  
Richard Allen Scalzo et al.

---

  - 5 The VERITAS Prototype  
Scott P. Wakely for the VERITAS Collaboration

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  - 6 Status of CANGAROO-III  
Ryoji Enomoto et al.

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  - 7 Status of the H.E.S.S. Project  
Werner Hofmann for the H.E.S.S. Collaboration

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14:30–16:30      Convention Hall 300 (1/2 parallels)

**OG 2.5**

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- 8 Status of the MAGIC Telescope  
Manel Martinez for the MAGIC Collaboration

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- 9 Performance of the VERITAS-4 Array  
S. J. Fegan, J. Hall, and V. V. Vassiliev

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- 10 Performance of the H.E.S.S. Cameras  
Pascal Vincent et al.

---

- 11 Calibration Results for the First Two H·E·S·S· Array Telescopes  
Nicolas Leroy et al.

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- 12 Application of an Analysis Method Based on a Semi-Analytical Shower Model to the First H·E·S·S· Telescope  
Mathieu de Naurois for the H.E.S.S. Collaboration

---

- 13 Extending the Cherenkov Technique Down to an Energy Threshold of a Few GeV: The Ultimate Instrument for Ground-Based Gamma-Ray Astronomy  
Martin Merck et al.

---

- 14 High Energy Astrophysics by ASHRA  
Naoshi Sugiyama et al.

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- 15 High Altitude Gamma Ray Observatory at Hanle  
Bannanje Sripathi Acharya et al.

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- 16 A New Project to Detect GRBs with  $E > 30$  GeV at Mt. Chacaltaya  
Fumio Kakimoto for the BASJE Collaboration

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- 17 Expected Sensitivity of ARGO-YBJ to Detect Point Gamma-Ray Sources  
Silvia Vernetto for the ARGO-YBJ Collaboration

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14:30–16:06      Conference Room 202 (2/2 parallels)

**OG 3.2**

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- 1 New Suggested Strategy for Detecting Gravitational Waves  
Maher Melek

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- 2 Coincident Event Search Using TAMA300 and LISM Data  
Hiroataka Takahashi for the TAMA Collaboration

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- 3 Search for Gravitational Waves from Ringing-Down Black Holes  
Yoshiki Tsunesada for the TAMA Collaboration

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- 4 Progresses of Search for Gravitational Wave Events Using TAMA300 Data  
Nobuyuki Kanda for the TAMA Collaboration

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- 5 Current Status of TAMA300 Online Search for Inspiring Binaries  
Daisuke Tatsumi and Y. Tsunesada

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- 
- 6 Search for Burst Gravitational Waves Using TAMA300 Data  
Masaki Ando for the TAMA Collaboration
- 

**OG 3.5**

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- 1 Search for Correlations between GW Detectors and the LVD Neutrino Telescope  
Walter Fulgione for the LVD Collaboration
- 
- 2 Geophysical Applications of Laser Interferometers: Long-Term Monitoring Crustal Deformations  
Vadim C. Milyukov et al.
- 

**August 6**

9:10–10:34      Convention Hall 300

**OG 2.1**

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- 1 Preliminary Evidence for TeV Gamma Ray Emission from the Galactic Plane Using the Milagro Detector  
Gus Sinnis for the Milagro Collaboration
- 
- 2 Upper Limit on the Diffuse Gamma Ray Flux Using Air Shower Observations at Ooty  
Yoshio Hayashi for the GRAPES Collaboration
- 
- 3 MHD Simulations of Magnetic Reconnection in the Galaxy: The Origin of Diffuse X-Ray Gas and High Energy Particles  
Syuniti Tanuma and K. Shibata
- 
- 4 Diffuse Gamma Rays from the Galactic Plane in the TeV Region  
Nobuhito Tateyama and J. Nishimura
- 
- 5 Galactic Gamma-Ray Halo of the nearby Starburst Galaxy NGC 253  
Tatsuo Yoshida et al.
- 
- 6 Search for Extremely High Energy Gamma Rays with the KASCADE Experiment  
Gerd Schatz for the KASCADE Collaboration
- 
- 7 Diffused Gamma-Rays and the Cosmic-Ray Propagation  
Toru Shibata et al.
- 

14:00–16:00      Convention Hall 300 (1/2 parallels)

**OG 2.3**

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- 1 Observations of 54 Active Galactic Nuclei with the HEGRA Cherenkov Telescopes  
Martin Tluczykont for the HEGRA Collaboration
- 
- 2 Observations of Active Galactic Nuclei by the Solar Tower Atmospheric Cherenkov Effect Experiment (STACEE)  
Corbin E. Covault et al.
- 
- 3 Highlights from 6 Years of TeV Gamma-Ray Astrophysics with the HEGRA Imaging Cherenkov Telescopes  
Goetz Heinzlmann for the HEGRA Collaboration
- 
- 4 Whipple Telescope Observations of Potential TeV Gamma-Ray Sources Found by the Tibet Air Shower Array  
Gary P. Walker for the VERITAS Collaboration
- 
- 5 First Results from Southern Hemisphere AGN Observations Obtained with the H·E·S·S· VHE Gamma-Ray Telescopes  
Arache Djannati-Atai for the H.E.S.S. Collaboration
- 
- 6 Monitoring the Northern Sky for Sources of TeV Gamma Rays  
Gus Sinnis for the Milagro Collaboration
- 
- 7 Intensive TeV Gamma-Ray and X-Ray Observations of the Blazar Mrk 421 in December 2002 and January 2003  
Paul Francis Rebillot for the VERITAS Collaboration
-



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8 CELESTE Observations of the Crab Nebula and Mkn 421 in 1999-2000 and 2000-2001  
Eric Nuss for the CELESTE Collaboration

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9 Modeling the IR De-Absorbed  $\gamma$ -Ray Spectra of TeV BL Lacs  
Alexander K. Konopelko et al.

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10 Study of the VHE Gamma Ray Emission from the AGN 1ES1959+650 with the HEGRA Cherenkov Telescope CT1  
Nadia Tonello for the HEGRA Collaboration

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14:00–16:00 Conference Room 202 (2/2 parallels)

**OG 3.3**

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1 CLIO Cryogenic Laser Interferometer Observatory  
Shinji Miyoki et al.

---

2 LIGO Detectors and Data Analyses: Current Status and Future Prospects  
Erik Katsavounidis for the LIGO Science Collaboration

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3 Report on the Observation Run of TAMA300 in the Spring of 2003  
Koji Arai for the TAMA Collaboration

---

4 New AURIGA Cryogenic Suspension System  
Michele Giovanni Battista Bignotto for the Auriga Collaboration

---

5 Current Status of TAMA300  
Shuichi Sato for the TAMA Collaboration

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6 Gravitational Wave Detection by Laser Interferometry on Earth  
Albrecht Ruediger

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**OG 3.4**

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1 Mechanical Loss of Reflective Coating at Low Temperature  
Kazuhiro Yamamoto et al.

---

2 Direct Measurement of Scattered Light Effect on the Sensitivity in TAMA300  
Ryutaro Takahashi et al.

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3 Dual Detector of Gravitational Waves  
Livia Conti et al.

---

4 Development of a Small Vibration Cryocooler for CLIO  
Takayuki Tomaru et al.

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17:00–19:12 Convention Hall 300

**OG 2.3**

---

11 Whipple Observations of 1ES1959+650: An Update  
Jamie Holder

---

12 The Giant Radio Galaxy M 87 as a TeV  $\gamma$ -Ray Emitter Observed with the HEGRA Cherenkov Telescopes  
Niels Goetting for the HEGRA Collaboration

---

13 Observation of M87 with the Whipple 10m Telescope  
Stephan L. LeBohec for the VERITAS Collaboration

---

14 Observations of Starburst Galaxies  
Tomoyuki Nagai for the VERITAS Collaboration

---

15 Observations of H1426+428 from 1999 to 2002 with the Whipple Observatory 10 m Telescope  
Deirdre Horan for the VERITAS Collaboration

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16 High Energy Emission from H1426+428 and Absorption on the Extragalactic Background Light  
Dieter Horns for the HEGRA Collaboration

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- 17 Intrinsic Spectra of the TeV Blazars Mrk 421 and Mrk 501  
Frank Krennrich and Eli Dwek
- 
- 18 Absorption of GeV and TeV  $\gamma$ -Rays in M87 and 3C 273  
Alina C. Donea
- 
- 19 Search for TeV Annihilation Radiation from Supersymmetric Dark Matter in nearby Galaxies  
Vladimir V. Vassiliev
- 
- 20 Modeling Particle Acceleration in AGN's  
Paolo Lipari and Giovanni Morlino
- 
- 21 M87 as a Misaligned Synchrotron-Proton Blazar  
Anita Reimer, R. J. Protheroe, and A.-C. Donea
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## **OG: POSTER Session 1**

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

Multi-Purpose Hall

### **OG 1.1**

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- 1-P-067 Observation of Atmospheric Antiproton with BESS  
Kazuhiro Yamato for the BESS Collaboration
- 
- 1-P-068 Detecting  $^3\text{H}$  with the BESS Spectrometer  
Zachary D. Myers and E. S. Seo
- 
- 1-P-069 Search for Cosmic-Ray Antideuteron with the BESS Spectrometer  
Hideyuki Fuke for the BESS Collaboration
- 
- 1-P-070 Observations of Primary Electrons with an Emulsion Chamber by Automatic Scanning Method  
Yoshihiro Sato et al.
- 
- 1-P-071 The Proton Spectrum in the 0.1-100 TeV Energy Range Obtained from Direct Measurements of the All-Particle Spectrum  
Ekaterina D. Tolstaya and N. L. Grigorov
- 
- 1-P-072 The Origin of Galactic Cosmic Ray Protons  
Ekaterina D. Tolstaya and N. L. Grigorov
- 
- 1-P-073 Atic Experiment: Preliminary Results from the Flight in 2002  
Hoseok Ahn for the ATIC-2 Collaboration
- 
- 1-P-074 Experience of Application of Silicon Matrix as a Charge Detector in the ATIC Experiment  
Victor I. Zatsepin et al.
- 
- 1-P-075 Comparison of Measured and Simulated Albedo Signals in the ATIC Experiment  
Victor I. Zatsepin et al.
- 
- 1-P-076 Heavy Primary Spectrum Obtained by “Jet Trigger” Method  
Masakatsu Ichimura for the RUNJOB Collaboration
- 
- 1-P-077 The GCR All-Particle Spectrum in the 0.1-100 TeV Energy Range  
Ekaterina D. Tolstaya and N. L. Grigorov
- 

### **OG 1.2**

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- 1-P-078 Acceleration of the Cosmic Rays by Stellar Collapse  
Volodymyr Kryvdyk
- 
- 1-P-079 Search for an Evidence of Fermi Acceleration for SNR in a Time Dependence of Metal Abundance  
Satoko Osone
- 

### **OG 1.3**

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- 1-P-080 GALPROP: New Developments in CR Propagation Code  
Frank C. Jones et al.
-