17 Intrinsic Spectra of the TeV Blazars Mrk 421 and Mrk 501
Frank Krennrich and Eli Dwek

18 Absorption of GeV and TeV γ-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

OG: POSTER Session 1

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

Multi-Purpose Hall

OG 1.1

1-P-067 Observation of Atmospheric Antiproton with BESS
Kazuhiro Yamato for the BESS Collaboration

1-P-068 Detecting ^{3}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

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

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

1-P-081 On Fluctuations of Cosmic Rays in the Galaxy with Random Supernova Outbursts
Eun-Suk Seo et al.

1-P-082 Cosmic-Ray Propagation and the Energy Spectra Observed on Earth
Makoto Hareyama et al.

1-P-083 Atmospheric and Galactic Production and Propagation of Light Antimatter Nuclei
Michel J. Buenerd et al.

1-P-084 The Growth of Parker Instability with the Effect of Cosmic-Ray Diffusion
Takuhito Kuwabara, K. E. Nakamura, and C. M. Ko

1-P-085 Evaluation of Production Cross Sections of Li, Be, B in CR
Igor V. Moskalenko and S. G. Mashnik

1-P-086 The Flux of Cosmic-Ray Deuterons in Simplified Propagation Models
Eun-Suk Seo and V. S. Ptuskin

1-P-087 The Size of Collecting Regions in the Galactic Disk for Proton, Beryllium, Carbon and Iron Cosmic Rays
Antonio Codino and F. Plouin

1-P-088 First Results of a New Cosmic Ray Propagation Code
Ingo Buesching et al.

1-P-089 A New Propagation Code for Cosmic Ray Nucleons
Ingo Buesching et al.

1-P-090 The Local Interstellar Spectrum of Cosmic Ray Electrons
Diego Casadei and V. Bindi

OG 1.4

1-P-091 The Cosmic Rays and Gamma-Quanta Local Sources Spectra Distinction and Formation of Uniform Cosmic Ray Spectrum
Vera Georgievna Sinitysna and S. I. Nikolsky

1-P-092 Variational Principle for Fokker-Planck Cosmic Rays Transport Equation
Osman H. Burgoa

1-P-093 First-Order Fermi Particle Acceleration at Relativistic Shock Waves with a 'Realistic' Magnetic Field Turbulence Model
Jacek Niemiec and M. Ostrowski

1-P-094 Monte Carlo Simulations of Electron Acceleration in Parallel Relativistic Shocks
Rami O. Vainio and J. Virtanen

1-P-095 Simulating Particle Acceleration in Modified Shocks Using a New Coarse-Grained Finite Momentum-Volume Scheme
Thomas W. Jones and H. Kang

1-P-096 Cosmic Ray Acceleration at Quasi-Parallel Plane Shocks
Hyesung Kang and T. W. Jones

1-P-097 A Plasma Sheet as a Source of Non-Thermal Particles — Relativistic Magnetic Reconnection and Relativistic Drift Kink Instability in $e^{\pm}$ Plasmas
Seiji Zenitani and M. Hoshino

1-P-098 Shock Waves and Cosmic Rays in the Large Scale Structure of the Universe
Thomas W. Jones et al.

OG 1.5

1-P-099 The Secondary Deuterium Spectrum at Small Atmospheric Depths
Elena Vannuccini et al.

1-P-100 Performance of the PPB-BETS Confirmed by Accelerator Beam Tests
Hisashi Kitamura et al.

1-P-101 Shower Difference between Electron and Proton in Simulation and Flight Data
Jin Chang for the CALET Collaboration

1-P-102 Cubic Calorimeter for High-Energy Electrons in Ultra-Long Ballooning
Alexander A. Moiseev et al.

1-P-103 Atic Experiment: Flight Data Processing
Hoseok Ahn for the ATIC-2 Collaboration

1-P-104 Monte Carlo Simulation of the Response of MARIE
Victor E. Andersen et al.

1-P-105 Performance Studies of the Anticounter System of the PAMELA Space Experiment
Mark Pearce et al.

1-P-106 A Second Level Trigger for PAMELA
Mirko Boezio et al.

1-P-107 The ToF and Trigger Electronics of the PAMELA Experiment
Giuseppe Osteria et al.

1-P-108 The Time-of-Flight System of the PAMELA Experiment
Donatella Campana et al.

1-P-109 The Performance of the AMS-02 TRD
Simonetta D. Gentile for the AMS 02/TRD Group

1-P-110 The AMS-02 Time of Flight System. Final Design
Diego Casadei et al.

1-P-111 Development of a PMT Readout System with Viking Chips for the SciFi Detector of CALET
Tadahisa Tamura et al.

1-P-112 Performance of 64-Multi-Anode Photomultiplier and Scintillating Fiber for the CALET Detector
Taro Yamashita for the CALET Collaboration

1-P-113 Development of Total Absorption Calorimeter of CALET
Yusaku Katayose for the CALET Collaboration

1-P-114 ELO: The ELectron Observatory, an Instrument to Measure High-Energy Cosmic-Ray Electrons
Mirko Boezio et al.

1-P-115 Accelerator Tests of the KLEM Prototypes
George Bashindzhagyan et al.

1-P-116 Performance of the Scintillator System Prototype of the NUCLEON Space Experiment
Leonid G. Tkatchev et al.

1-P-117 The Zero-Degree Detector System
James H. Adams, Jr. and E. Kuznetsov

1-P-118 Transition Radiation from Radiators with Varying Periodicity
Michael Cherry and G. L. Case

1-P-119 Precise Identification of Heavy Cosmic-Ray Nuclei: The Role of Delta Rays
Dietrich Muller et al.

1-P-120 Identification of Iron Isotopes Using CR-39 Track Detector
Satoshi Kodaira et al.

1-P-121 Automatic Searching for Fe-Nucleus Vertex Points in Balloon Emulsion Experiment RUNJOB
Lyubov G. Sveshnikova for the RUNJOB Collaboration

1-P-122 Dose Equivalent, Absorbed Dose and Charge Spectrum Measurements Made in the International Space Station Orbit
Dazhuang Zhou et al.

OG 2.1

1-P-123 Predictions for the Magnitude of the Galactic Plane Excess at TeV Gamma Ray Energies
Anatoly D. Erlykin and A. W. Wolfendale

1-P-124 Gamma-Ray Energy Spectra through Decays of Neutral Pions Produced in Proton-Proton Interactions
Ching-Yuan Huang

1-P-125 Search for Diffuse Gamma Rays from the Galactic Plane in Multi-TeV Region with the Tibet Air Shower Array
Yoshiaki Yamamoto for the Tibet ASgamma Collaboration

1-P-126 Evaluation of Models for Diffuse Continuum Gamma Rays in EGRET Range
Olaf Reimer, A. W. Strong, and I. V. Moskalenko

OG 2.2

1-P-127 TeV Observations of Selected GeV Sources with the HEGRA IACT-System
Gavin Peter Rowell for the HEGRA Collaboration

1-P-128 Studies of Gamma Radiation above 10^{14} eV from Hadronless Air Shower at Chacaltaya
Rolando Daniel Ticona et al.

1-P-129 On the Origin of the 'Identified' and 'Unidentified' Gamma Ray Sources
Arnold W. Wolfendale and A. D. Erlykin

1-P-130 Search for VHE Gamma Ray Emission from SNRs with the Data of Tibet AS_γ III
Shuwang Cui for the Tibet ASgamma Collaboration

1-P-131 Chandra ACIS X-Ray Observations of the Cygnus Loop
Denis A. Leahy

1-P-132 Cosmic Rays and Gamma-Rays from the Pulsar in Cyg OB2
Wlodek Bednarek

1-P-133 Studies of the Crab Nebula Based upon 400 Hours of Observations with the HEGRA System of Cherenkov Telescopes
Dieter Horns for the HEGRA Collaboration

1-P-134 Preliminary Results on the Flux of TeV γ-Rays from Crab System Obtained with the PACT at Pachmarhi
Bannanje Sripathi Acharya et al.

1-P-135 Observation of VHE Gamma Rays from the Remnant of SN 1006 with HEGRA CT1
Nadia Tonello for the HEGRA Collaboration

1-P-136 Non-Thermal and Supra-Thermal X-Rays from the Northeast Shell of W28
Masaru Ueno, A. Bamba, and K. Koyama

1-P-137 Observation of Multi-TeV Gamma Rays from the Shell-Like SNR GC40.5-0.5 Using the Tibet Air Shower Array
Jilong Zhang for the Tibet ASgamma Collaboration

1-P-138 The X-ray Study of Small-Scale Shock Structures in the Non-Thermal SNRs
Aya Bamba et al.

1-P-139 A Noteworthy Plasma Parameter on the Shock Acceleration/Heating Process
Nobue Shimada and M. Hoshino

1-P-140 Cosmic Ray Production in the Supernova Remnants with Account of Reacceleration: Secondary to Primary Ratio
Leonid T. Ksenofontov et al.

1-P-141 Systematic Variation of Cosmic Ray Injection Across Supernova Shocks
Heinrich J. Voelk, E. G. Berezhko, and L. T. Ksenofontov

1-P-142 Inverse Compton Gamma-Ray Background Due to Supernova Remnants
Evgeny G. Berezhko and H. J. Voelk

1-P-143 Predicted Sensitivity of the MAGIC Telescope for Gamma Ray Pulsars
Maria Victoria Fonseca for the MAGIC Collaboration

1-P-144 Determination of the Night Sky Background around the Crab Pulsar Using Its Optical Pulsation
Emma M. Ona Wilhelmi for the MAGIC Collaboration

1-P-145 The Effect of Pulsar Timing Noise and Glitches on Timing Analysis for Ground Based Telescopes Observation
Emma M. Ona Wilhelmi for the MAGIC Collaboration

1-P-146 Detectability of γ-Ray from Millisecond Pulsars with MAGIC
Emma M. Ona Wilhelmi for the MAGIC Collaboration

1-P-147 X-Ray, Gamma-Ray and Radio Observations of LSI+61 303 and the Nature of the Electron Population and of the Emission Mechanisms
Denis A. Leahy

1-P-148 Gamma-Rays from the Massive Binary LSI 61°+303
Agnieszka Sierpowska and W. Bednarek

1-P-149 Modeling the Pulse Shape of Hercules X-1: Constraints on the Size and Shape of the Accretion Column
Denis A. Leahy

1-P-150 Investigation of TeV Gamma-Ray Emission from Cygnus X-3
Vera Georgievna Sinitsyna et al.

1-P-151 Gamma-Rays and Neutrinos from the Pulsar Wind Nebulae
Wlodek Bednarek and M. Bartosik

1-P-152 Injection of Heavy Nuclei by a Pulsar in the Massive Binary
Marek Bartosik, W. Bednarek, and A. Sierpowska

1-P-153 TeV Gamma Ray Observations of PSR J1420–6048 with the CANGAROO-II Telescope
Daisuke Nishida for the CANGAROO Collaboration

1-P-154 Very High Energy Observations of PSR B1823-13
Pat Moriarty for the VERITAS Collaboration

1-P-155 High Energy Photon Absorption in Hot Stellar Radiation Fields
Anita Reimer

1-P-156 TeV Observations of the Galactic Center
Paul Francis Rebillot for the VERITAS Collaboration

1-P-157 γ-Ray Generation in Microquasars: The Link with AGN
Ian James Latham et al.

1-P-158 Microquasars and Microblazars as Potential Targets of Ground Based Cherenkov Telescopes
Martin Merck for the MAGIC Collaboration

1-P-159 Observation of Sub-TeV Gamma Rays from SS433/W50 with the CANGAROO-II Telescope
Seiichi Hayashi for the CANGAROO Collaboration

1-P-160 A Search for Astrophysical Point Sources and a Solar Anisotropy Measurement
Yupeng Xu on behalf of the L3 Collaboration

1-P-161 Timescale Analysis of Spectral Time Lags
Tipei Li

OG: POSTER Session 2

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

Multi-Purpose Hall

OG 2.3

2-P-064 An AGN Observation Catalogue for the MAGIC Cherenkov Telescope
Robert Wagner for the MAGIC Collaboration

2-P-065 VHE Observations of BL Lacertae Objects: 1995-2000
Deirdre Horan for the VERITAS Collaboration

2-P-066 Search for Very High Energy Gamma Rays from an X-Ray Selected Blazar Sample
Jamie Holder

2-P-067 Search for TeV Emission at the Location of Milagro Sky Survey Hot Spot Using the Whipple Gamma-Ray Telescope
Kenneth Gibbs for the VERITAS Collaboration

2-P-068 TeV Gamma-Ray Observations of Southern Hemisphere BL Lacertae Objects with CANGAROO-II/III Telescope
Tomokazu Nakase for the CANGAROO Collaboration

2-P-069 Extra-Galactic Sources 1739+522, 3c454.3, NGC1275, Mkn501, Mkn421 - Spectra and Images
Vera Georgievna Sinitsyna et al.

2-P-070 Observation of Multi-TeV Gamma Rays from Mrk 421 and Search for Other BL Lac Objects with the Tibet-III Air Shower Array
Kazumasa Kawata for the Tibet ASgamma Collaboration

2-P-071 Hourly Spectral Variability of Mrk 421
Frank Krennrich for the VERITAS Collaboration

2-P-073 The Radial Distribution of SNRs in nearby Galaxies
Manami Sasaki and D. Breitschwerdt

2-P-074 VHE γ-Rays from Extragalactic Large Scale Jets
Lukasz Stawarz, M. Ostrowski, and M. Sikora

2-P-075 Evolution of Intracluster Cosmic Rays and Gamma-Ray Emission
Shin-ya Tsubaki, Tetsu Kitayama, and Katsuhiko Sato

2-P-076 Observation of 3EG J1234-1318 with the CANGAROO-II Telescope
Takahiro Hattori for the CANGAROO Collaboration

2-P-077 Evolution and Properties of the Intracluster Medium in the Presence of Cosmic Ray Sources
Hyesung Kang, D. Ryu, and P. L. Biermann

2-P-078 A Hadronic Model for Gamma-Ray Loud Quasars
Alina Catalina Donea and R. J. Protheroe

2-P-079 A New Estimate of the Extragalactic Gamma-Ray Background from EGRET Data
Olaf Reimer, A. W. Strong, and I. V. Moskalenko

OG 2.4

2-P-080 The Compton Trail of Gamma-Ray Bursts: Constraints on the Galactic Frequency of GRBs
Etienne Parizot and D. Allard

2-P-081 General Relativistic MHD Simulations of the Gravitational Collapse of a Rotating Star with Magnetic Field as a Model of Gamma-Ray Bursts
Yosuke Mizuno et al.

2-P-082 Observations of Gamma-Ray Bursts by HETE-2
Nobuyuki Kawai for the HETE Science Team

2-P-083 Prompt Gamma-Ray Burst Alert System of the HETE-2 Spacecraft
Toru Tamagawa et al.

2-P-084 In-Orbit Calibration and Performance of the HETE-2 WXM
Yuji Shirasaki et al.

2-P-085 Early Optical Afterglow Spectra of GRB021004 by Kiso Observatory
Yuji Urata et al.

2-P-086 The MAGIC Telescope and the Observation of Gamma Ray Bursts
Denis Bastieri for the MAGIC Collaboration

2-P-087 Search for TeV GRBs Using the Tibet-III ASγ Data
Xunxiu Zhou for the Tibet ASgamma Collaboration

2-P-088 Analysis of Single Particle Rates from the ARGO-YBJ Experiment
Piero Vallania for the ARGO-YBJ Collaboration

2-P-089 Gamma-Ray Burst Events Observed by SZ2/XD in 2001
Huanyu Wang et al.

OG 2.5

2-P-090 Monitor of All-Sky X-Ray Image(MAXI) Mission
Mitsuhiro Kohama et al.

2-P-091 The Hard X-Ray Modulation Telescope HXMT
Tipei Li et al.

2-P-092 Radiation Hardness Tests of CsI(Tl) Crystals for the GLAST Electromagnetic Calorimeter
Per Carlson et al.

2-P-093 Using GHz FADCs to Reject Hadrons from STACEE Data
Jeffrey A. Zweerink for the STACEE Collaboration

2-P-094 The Technical Performance of the HEGRA IACT System
Gerd Puehlhofer for the HEGRA Collaboration

2-P-095 The VERITAS Atmospheric Čerenkov Telescopes: Positioner, Optics and Associated Components
Kenneth Gibbs et al.

2-P-096 The VERITAS Flash ADC Electronics System
Paul Francis Rebillot et al.

2-P-097 Calibration Systems for the VERITAS Observatory
David B. Kieda et al.

2-P-098 Signal Cable Selection for the VERITAS Observatory
David B. Kieda et al.

2-P-099 VERITAS Data Acquisition and Analysis Systems
Scott P. Wakely et al.

2-P-100 Control Software for the VERITAS Čerenkov Telescope System
Kenneth Gibbs et al.

2-P-101 VERITAS CFDs
Vladimir V. Vassiliev et al.

2-P-102 Performance of the Reflector of the CANGAROO-III Imaging Atmospheric Cherenkov Telescope
Michiko Ohishi for the CANGAROO Collaboration

2-P-103 Performance of the Atmospheric Cherenkov Imaging Camera for the CANGAROO-III Experiment
Shigeto Kabuki for the CANGAROO Collaboration

2-P-104 Development of the Stereoscopic Data Acquisition System of the CANGAROO-III Telescope
Hidetoshi Kubo for the CANGAROO Collaboration

2-P-105 Development of Stereoscopic Control System for the CANGAROO-III Telescopes
Seiichi Hayashi for the CANGAROO Collaboration

2-P-106 Absolute Number Calibration of Photoelectrons of Photomultiplier Tubes Using the Nature of Statistical Distribution
Fumiyoshi Kajino et al.

2-P-107 Mirror Alignment and Performance of the Optical System of the H.E.S.S. Imaging Atmospheric Cherenkov Telescopes
Rene Cornils for the H.E.S.S. Collaboration

2-P-108 Atmospheric Monitoring for the H.E.S.S. Project
Roland Le Gallou for the H.E.S.S. Collaboration

2-P-109 Implications of LIDAR Observations at the H.E.S.S. Site in Namibia for Energy Calibration of the Atmospheric Cherenkov Telescopes
Paula M. Chadwick for the H.E.S.S. Collaboration

2-P-110 The Central Data Acquisition System of the H.E.S.S. Telescope System
Stefan Schlenker for the H.E.S.S. Collaboration

2-P-111 Arcsecond Level Pointing of the H.E.S.S. Telescopes
Conor P. Masterson for the H.E.S.S. Collaboration

2-P-112 Study of the Performance of a Single Stand-Alone H.E.S.S. Telescope: Monte Carlo Simulations and Data
Alexander K. Konopelko for the H.E.S.S. Collaboration

2-P-113 Aluminium Mirrors: An Alternative for Ground Based Cherenkov Telescopes
Ian James Latham et al.

2-P-114 The Reflecting Surface of the MAGIC Telescope
Denis Bastieri for the MAGIC Collaboration

2-P-115 An Absolute Light Flux Calibration for the MAGIC Telescope
Juan Cortina for the MAGIC Collaboration

2-P-116 Analogue Signal Transmission by an Optical Fiber System for the Camera of the MAGIC Telescope
David Paneque for the MAGIC Collaboration

2-P-117 Camera Control and Central Control of the MAGIC Telescope
Juan Cortina for the MAGIC Collaboration

2-P-118 The Active Mirror Control of the MAGIC Telescope
Razmick Mirzoyan et al.

2-P-119 The Data Acquisition of the MAGIC Telescope
Florian Goebel for the MAGIC Collaboration

2-P-120 The Tracking System of the MAGIC Telescope
Robert Wagner for the MAGIC Collaboration

2-P-121 The MAGIC Analysis and Reconstruction Software
Robert Wagner for the MAGIC Collaboration

2-P-122 Calibration of the MAGIC Telescope Using Muon Ring Images
Keiichi Mase for the MAGIC Collaboration

2-P-123 Isolated Muon Study for the MAGIC Telescope
Keiichi Mase for the MAGIC Collaboration

2-P-124 The Trigger System of the MAGIC Telescope: On-Line Selection Strategies for Cherenkov Telescopes
Antonio Stamerra et al.

2-P-125 Technical Innovations for the MAGIC Project
Razmick Mirzoyan for the MAGIC Collaboration

2-P-126 Selection Strategies for Low Energy Events in Imaging Atmospheric Čherenkov Telescopes
Stephen James Gammell et al.

2-P-127 First Operation of SGARFACE, a Ground Based Experiment to Search for γ-Ray Bursts of Energies Larger than 200MeV with Durations of less than 100μs
Stephan L. LeBohec et al.

2-P-128 A Novel Alternative to UV-Lasers Used in Flat-Fielding VHE γ-Ray Telescopes
Aristeidis Noutsos for the H.E.S.S. Collaboration

2-P-129 Feasibility of GRB with TeV Gamma Ray All Sky Monitor
Satoko Osone

2-P-130 Development of High-Resolution and High-Speed Camera System for a Cherenkov Telescope Using Image Intensifiers
Itsuhiro Tada et al.

2-P-131 Optical Observations of the Crab Pulsar Using the First H.E.S.S. Cherenkov Telescope
Conor P. Masterson for the H.E.S.S. Collaboration

2-P-132 The Diamond Compton Recoil Telescope
Kinya Hibino et al.

2-P-133 Algorithms for the Determination of the Primary Particle Direction with ARGO-YBJ Detector
Daniele Martello for the ARGO-YBJ Collaboration

2-P-134 Identification of Showers with Cores Outside the ARGO-YBJ Detector
Giuseppe DiSciascio for the ARGO-YBJ Collaboration

2-P-135 Performance of the Tibet-III Air Shower Array
Munehiro Ohnishi for the Tibet ASgamma Collaboration

2-P-136 An New Method to Determine the Arrival Direction of Individual Air Showers with a Single Air Cherenkov Telescope
Daniel Kranich and L. S. Stark

2-P-137 Maximizing Signal Search Sensitivity Using the Likelihood Ratio as Event Weight
Hongbo Hu

OG 3.1

2-P-138 Gravitational Waves in Quintessential Inflation
Hiroyuki Tashiro, T. Chiba, and M. Sasaki

2-P-139 Graviton Production by a Thermal Bath
Dario Grasso

2-P-140 One-Armed Spiral Instability in Differentially Rotating Stars
Motoyuki Saijo

OG 3.3

2-P-141 Laser Interferometer in the Kamioka Mine
Masatake Ohashi et al.

OG 3.4

2-P-142 LCGT Project Observing Gravitational Wave Events at 240 Mpc
Kazuaki Kuroda for the LCGT Collaboration

2-P-143 Measurement of Outgassing from Multi-Layered Insulators for the Cryogenic Lase Interferometer Observatory
Takashi Uchiyama et al.

2-P-144 Study of Heat Links for a Cryogenic Laser Interferometric Gravitational Wave Detector
Kunihiko Kasahara et al.

2-P-145 Thermal Conductance through Sapphire-Sapphire Bonding
Toshikazu Suzuki

2-P-146 Present Technology for Reduction of Vibration in Cryocooler
Tomiyoshi Haruyama et al.

2-P-147 RSE Experiment
Kentaro Somiya, P. Beyersdorf, and S. Kawamura

OG 3.5

2-P-148 Bondi Mass in Scalar Fields
Ching-Yuan Huang

2-P-149 Wave Effects in Gravitational Lensing of Gravitational Waves from Chirping Binaries
Ryuichi Takahashi and T. Nakamura

2-P-150 Gravitational Wave Detection by Laser Interferometry in Space – LISA
Albrecht Ruediger

2-P-151 Gravitational Wave Detection by Laser Interferometry in Space – The Project ASTROD
Albrecht Ruediger

SH: Oral Sessions

SH: Solar & Heliospheric Phenomena

July 31

14:30–16:18 Convention Hall 200

SH 1.2

1 Impulsive Flare Material: A Seed Population for Large Solar Particle Events?
R. A. Mewaldt et al.

2 A Statictical Study of ^{3}He Enhancement in the High-Energy Solar Particles
Jarno Laivola, J. Torsti, and L. Kocharov

3 The Solar Cycle Variability of Solar Energetic Particle Composition
R. A. Leske et al.

4 Modelling Energy-Dependent Fe/O Ratios Observed above 12 MeV/Nucleon
C. M. S. Cohen et al.

5 The ^{3}He-Rich SEP Events of August 2002: Exceptional Elemental and Isotopic Composition Patterns at Energies above 10 MeV/Nucleon
M. E. Wiedenbeck et al.

6 Light Isotope Abundances in Solar Energetic Particles Measured by the NINA-2 Instrument
Vladimir V. Mikhailov for the NINA-WIZARD Collaboration

7 High Energy Ionic Charge State Composition in Recent Large Solar Energetic Particle Events
Allan Wayne Labrador et al.

8 Strong Energy Dependence of Ionic Charge States in Impulsive Solar Events
Eberhard Moebius et al.

9 On the Energy Dependence of Ionic Charge States
Berndt Klecker et al.

August 1

9:10–10:34 Convention Hall 200

SH 1.1

1 What We Know and Do Not Know about High Energy Neutral Emissions from Solar Flares (A Challenge for Future Missions)
Edward Lowell Chupp et al.

2 Solar Neutron Event in Association with the 24 September 2001 Flare
Takashi Sako et al.

3 Solar Neutron Event in Association with a Large Solar Flare on August 25, 2001
Kyoko Watanabe et al.

4 Gamma and X-Ray Solar Flare Emissions: CORONAS-F Measurements
Karel Kudela et al.

5 Solar Gamma-Ray Lines at High Resolution with *RHESSI*
Ronald J. Murphy et al.

6 Energetics of Nonthermal Electrons and Protons in Intense Solar Flares
Masato Yoshimori, H. Hirayama, and S. Mori