

Scientific Event Report

E **Research in Astrophysics from Space**

E1.9 **Origin of Cosmic Rays**

Main Scientific Organizer *Moskalenko, Igor*

Deputy Organizer *Seo, Eun-Suk*

PAMELA and SuperTIGER

Chair: Asaoka, Yoichi

Date: Sun, Jul 31, 2016. Room: 3B13

E1.9-0001-16 09:30 - 10:00

Ten years of PAMELA

Spillantini, Piero

E1.9-0002-16 (WITHDRAWN) 10:00 - 10:20

Lithium and Beryllium Isotopes in the PAMELA-Experiment

Menn, Wolfgang Team: PAMELA Collaboration

E1.9-0003-16 10:20 - 10:45

Elemental Abundances of Ultra-Heavy Galactic Cosmic Rays from the SuperTIGER Instrument

Murphy, Ryan Team: The SuperTIGER Collaboration

E1.9-0004-16 10:45 - 11:00

SuperTIGER scintillator detector calibration with 30 GeV/nucleon Pb and its fragments

Sasaki, Makoto Team: SuperTIGER Collaboration

CALET and related topics

Chair: Spillantini, Piero

Date: Sun, Jul 31, 2016. Room: 3B13

E1.9-0005-16 11:30 - 12:00

Preliminary status of the CALET observations

Torii, Shoji

E1.9-0006-16 12:00 - 12:15

CALET Data Processing and On-Orbit Detector Calibration

Asaoka, Yoichi Team: for the CALET Collaboration

E1.9-0007-16 (WITHDRAWN) 12:15 - 12:35

Investigating the origin of high-energy cosmic-ray electrons with Monte Carlo simulation

Attallah, Reda

E1.9-0008-16 12:35 - 13:00

Key scientific problems from Cosmic Ray History

Lev, Dorman

First results from the NUCLEON experiment

Chair: Petrosian, Vahe

Date: Sun, Jul 31, 2016. Room: 3B13

E1.9-0009-16 14:00 - 14:20

The NUCLEON cosmic ray observatory overview

Podorozhny, Dmitry Team: Nucleon collaboration

E1.9-0010-16 14:20 - 14:40

Preliminary cosmic ray all-particle spectrum from the first year of the NUCLEON experiment exposure time

Podorozhny, Dmitry Team: Nucleon collaboration

E1.9-0011-16 14:40 - 15:05

Preliminary cosmic ray proton and helium spectra from the first year of the NUCLEON experiment exposure time

Kovalev, Igor Team: Nucleon

E1.9-0012-16 15:05 - 15:30

Preliminary spectra of the primary cosmic ray nuclei from the first year of the NUCLEON experiment exposure time

Panov, Alexander Team: NUCLEON1

SNRs - theory and observations

Chair: Panov, Evgeny

Date: Sun, Jul 31, 2016. Room: 3B13

E1.9-0013-16 17:00 - 17:25

Non Parametric Determination of Acceleration Characteristics in Supernova Shocks Based on Spectra of Cosmic Rays and Remnant Radiation

Petrosian, Vahe

E1.9-0014-16 17:25 - 17:50

Deep H.E.S.S. Observations of the Supernova Remnant RX J0852.0-4622

Nukri, Komin; Paz Arribas, Manuel; Sushch, Iurii; Schwanke, Ullrich Team: H.E.S.S. Collaboration

E1.9-0015-16 17:50 - 18:10

G346.6-0.2: The Mixed-Morphology Supernova Remnant with Non-Thermal X-Ray Emission

Auchettl, Katie; Wong, B.T.T.; Ng, Stephen C.-Y.; Slane, Patrick

E1.9-0016-16 18:10 - 18:30

Testing Cosmic-Ray Acceleration in Young, Embedded Stellar Clusters

Nukri, Komin; Maurin, Gilles; Marcowith, Alexandre; Krayzel, Fabien; Lamanna, Giovanni

UHECRs

Chair: Prinsloo, Phillip

Date: Mon, Aug 01, 2016. Room: 3B13

E1.9-0017-16 09:30 - 10:00

The Telescope Array Ultra High Energy Cosmic Ray Observatory

Matthews, John

E1.9-0018-16 10:00 - 10:30

Search for 100 TeV gamma rays from the Crab Nebula with the Tibet Air Shower Array and the 100 m2 muon detector

Sako, Takashi Team: The Tibet ASgamma collaboration

E1.9-0019-16 10:30 - 11:00

A method of observing cherenkov light from extensive air shower at Yakutsk EAS array

Timofeev, Lev; Anatoly, Ivanov

Low-energy electrons and instrumentation

Chair: Giacinti, Gwenael

Date: Mon, Aug 01, 2016. Room: 3B13

E1.9-0020-16 11:30 - 11:55

The low-energy interstellar spectrum of galactic electrons and implications for their re-acceleration at the heliospheric termination shock

Prinsloo, Phillip; Potgieter, Marius; Strauss, Du Toit

E1.9-0021-16 11:55 - 12:20

The effect of electron measurements both inside and outside the heliosphere on the modelling of local interstellar spectra

Bisschoff, Driaan; Potgieter, Marius

E1.9-0022-16 12:20 - 12:40

The Development of a 3D Imaging Calorimeter of DAMPE for Cosmic Ray Physics

Zhang, Yunlong; Zhang, Zhiyong; Wei, Yifeng; Wang, Chi; Feng, Changqing; Hu, Yiming; Liu, Shubin; Huang, Guangshun

Poster Program

Author in Attendance: Sunday, 15:30 - 17:00, Poster area: B1 Poster Area

STW = Sunday, Tuesday, Wednesday / TFS = Thursday, Friday, Saturday

STW-301 E1.9-0023-16

Investigating the origin of ultrahigh-energy cosmic rays with CRPropa

Bouchachi, Dallel; Attallah, Reda

STW-298 E1.9-0024-16

Silicon Tungsten tracKer of DAMPE: a summary of Flight Model construction and test

Peng, Wenxi Team: DAMPE STK TEAM

STW-292 E1.9-0025-16

Wide-angle cherenkov telescope prototype preliminary data

Timofeev, Lev; Anatoly, Ivanov

STW-299 E1.9-0026-16

The control and data acquisition structure for the GAMMA-400 space gamma-telescope

Arkhangelskiy, Andrey Team: GAMMA-400 team:

STW-300 E1.9-0027-16

Registered particles onboard identification in the various apertures of GAMMA-400 space gamma-telescope

Arkhangelskaja, Irene Team: GAMMA-400 team:

STW-293 E1.9-0028-16

Amplitude distribution of ionization jerks in ionization-chamber ASK-1 according long-term measurements

Timofeev, Vladislav

STW-291 E1.9-0029-16

Generation of the cosmic rays flux variations due to surfatron acceleration of charges by electromagnetic waves in space plasma

Erokhin, Nikolay; Shkevov, Rumien; Loznikov, Vladimir; Zolnikova, Nadezhda; Mikhailovskaya, Ludmila

Poster Program

Author in Attendance: Tuesday, 15:30 - 17:00, Poster area: B1 Poster Area

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Poster Program

Author in Attendance: Wednesday, 15:30 - 17:00, Poster area: B1 Poster Area

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