

題名 ISWI Newsletter – Vol. 2 No. 69
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Attachment(s):
(1) "Yer", 691 KB, 4 pages.

Dear ISWI Participant:

The attached pdf has a wee bit of space-weather-related news.
The original suggestion for the distribution of this
information came from Dr Hans Haubold.

I am still seeking more reports on various instrument arrays
that are part of ISWI. Please send in your report before the
big ISWI workshop in Egypt in early November.

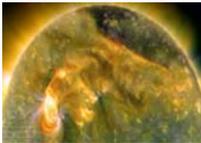
One of the larger sessions during the workshop will be the
"MAGDAS Session"; there will be nearly 35 speakers for it.
Fifteen from Africa; ten from non-Africa; five from Japan;
and five from SERC. Abstract dead line is Sept 1st.

Humbly yours,
George Maeda
The Editor.



YerPhI Press Releases Archive

- **First Forbush decrease of the 24th Solar Activity Cycle registered by Aragats Neutron Monitors (**



After long absolutely calm period, Sun started to present first signs of activity. A shock Spacecraft at 3 August indicated the arrival of at least one CME (Coronal Mass Ejection) duration C3 flare on August 1. Figure 1. Extreme ultraviolet snapshot...

- **Aragats physicists publish an important discovery about thunderstorms! (Aug 24, 2010)**



Cosmic Ray research on Mt. Aragats started in 1943 by the physicists Artem and Abram then research at the Cosmic Ray Division (CRD) of the Alikhanyan National Laboratory altitude research stations on Mt. Aragats, as well as the headquarters in Yerevan. CRD

- **First scientific publication from LHC 7 TeV run appears in Phys. Rev. Letters! (Aug 5, 2010)**



Since 1995 group from Yerevan Physics Institute headed by Albert Sirunyan participate the Compact Muon Solenoid (CMS) experiment. YerPhI group was involved in the detection construction, data analysis software development as well as in test beam data taking &

- **Participation of the Armenian Delegation in the 31-st All- Russian conference on cosmic rays,...**



The conference concurred with memorable dates, to which special sessions were devoted anniversary of Sergei Nikolaevich Vernov, 50 years after the discovery of the "knee" in cosmic rays, A session devoted to the memory of recently passed Georgi Timofeevich..

- **Birthday of A. I. Alikhanyan (Jun 24, 2010)**



On June 24 the 102 anniversary of YerPhI first director Artem Alikhanyan the emeritus of YerPhI celebrated laying flowers to his monument. The day became remarkable with event: RA government publicized the June 17 decision on transformation of the "A. I. Alikhanyan National Laboratory".

- **The Alikhanyan National Lab Makes Another Step in the Isotope Production Activities (Jun 24, 2010)**



During spring 2010 a new metallic cathode with high emission properties has been installed on the 40 MeV linear accelerator (Linac, used previously as injector for the 6 GeV electron synchrotron). Tests demonstrated the high quality of the electron beam parameters...

- **New Limit on the Light Speed Isotropy (Jun 10, 2010)**



The possibility of using the Compton Edge approach for high precision probing of the light speed isotropy suggested by Gurzadyan and Margarian in 1996 [1]. The idea is to trace the stability of the Compton scattered relativistic electrons on monochromatic laser photons at many.

- **CRD Provides Daily Information from Aragats (May 19, 2010)**



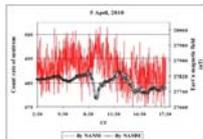
The newly initiated "Aragats today" page in CRD home site provides current information about mountain meteorological conditions and Aragats Space Environmental Center (ASEC) page you can find recent meteorological observations including...

- **A reportage devoted to YerPhi (May 18, 2010)**



The “Hraparakum” program on H1 TV station shot a footage about the Yerevan Physics Institute referred to the overall history, highlighted the achievements and rendered to the perspective. The footage was shot both in the YerPhi Yerevan headquarters and in Aragats high...

- **The First Geomagnetic Effect of New 24th Solar Activity Cycle Detected at Aragats Space... (May 5, 2010)**



The geomagnetic storm began at 08:55 UT on Monday, April 5, 2010. Space weather is now at Strong (G3) levels due to the Geomagnetic Storms Space Weather Scale. The source of the storm is an Earth-directed Coronal Mass Ejection associated with a weak solar flare that occurred in...

- **Visit of the Delegation of Yerevan Physics Institute (YerPhi) to Heidelberg Ion-Beam Therapy C...**



On April 12, 2010 the YerPhi delegation (Ashot Chilingarian, Valery Nikogossyan) visited the Heidelberg Ion-Beam Therapy Centre (HIT). Armenian physicists were introduced with the world largest facility for heavy ion therapy and discussed with HIT research director Thomas Haberer the possibilities of...

- **CERN Press Release-Beams collided at 7 TeV (Apr 2, 2010)**



YerPhi three groups participate in the LHC (ATLAS, ALICE , CMS) experiments. Since 2008 they have actively participated in the detectors design and construction, software development as well as data taking and analysis. Now YerPhi groups participate in LHC...

- **The Armenian GRID expands (Feb 5, 2010)**



Memorandum of Understanding On the Creation and Development of National Armenia Grid. This is to confirm that the Yerevan State University, State Engineering University of Armenia, Institute of Informatics and Automation Problems...

- **Report on the participation in the Management Committee Meeting of the COST Action ES0803...**



COST is one of the European Union (EU) most successful instruments for the promotion of scientific projects at the European level. There are hundreds of COST projects in numerous fields of science with participants from all the European and non-European countries (unfortunately only 2 from Armenia).

- **Report on participation in the Armenian high tech industry (ArmTech) Congress? 09, Silicon Vall...**



1. On November 4 I was among the delegation accompanying the PM of Armenia Tigran Sargsyan to the Stanford Linear Accelerator Center (SLAC) and Berkeley University. At SLAC Mr. Sar... Dr. Persis Drell, Associate Lab Director - Dr. Dale Knutson,...

- **Visit of YerPhi delegation to Zagreb and Athens (Sep 20, 2009)**



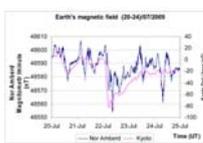
On September 4-18 the YerPhi delegation (Chilingarian A., Mailyan B., Hovhannisyantsyan A.) participated in an International conference on the Heliophysical Phenomena and Earth Environment in Shumen. A regional meeting of Balkanian-Black and Caspian sea was held for the third time within...

- **Radiomeasurements to start at Aragats (Aug 24, 2009)**



CRD continues to add new measurement techniques to the Aragats Space Environment Monitoring facilities. Among important heliospace and geospace parameters are solar flare correlations with monitoring of secondary cosmic ray fluxes and geomagnetic field disturbances, the...

- **Magnetometric Measurements started in Armenia! (Jul 27, 2009)**



Magnetometric station LEMI-417, commissioned by Lviv center of Space Research Institute of the Academy of Sciences, was installed in Nor Amherd, 2000 m above sea level (the same station added electrical field sensors will be installed at Aragats, 3200 above sea level in September).

- **Valery Nikoghosyan - 70 (Jul 26, 2009)**



On July 26 is the 70 year anniversary of Valery Nikogossyan- Candidate of Technical Sciences, Yerevan Physics Institute's Accelerator Physics and Technical department. During 45 years...

made a huge contribution in the institute's accelerator physics and...

- **A.Chilingarian's report on participation in the 31-st International Cosmic Ray Conference (ICRC**



759 delegates from 36 countries presented 389 oral and 541 poster presentations. The included: Chilingarian Ashot, Martirosov Roman, Grabsky Varlen (on leave from Mexica Institute), Mailyan Bagrat. 12 reports were presented: ...

- **The International Theoretical and Practical Conference "Innovative Way of Commonwealth Cour**



The international theoretical and practical conference "The innovative way of Common development; Strategies and Perspectives" was held in Armenia from June 28 to July 4 at the conference reflect the results of interdisciplinary and comparative researches,...

- **ISTC International Workshop Advanced X-ray Imaging, 16-18 June Tsakhkadzor, Armenia (Jun**

Representatives of eight scientific institutions of Armenia, France and Russia took part in the workshop org Physics Institute (YerPhi), with the support of ISTC and the State Committee on the Science of the Ministr Science of Armenia. The presented reports and round...

- **Conference "Advanced Materials and Devices for Space Applications", ISTC Thematic Workshop,**



The workshop held at the Yerevan Physics Institute, supported by ISTC and was devoted to advances in space environment, space factors modeling, test of materials and devices equipment, work out of new materials for the use in space and radiation conditions. In

- **The "Accelerators probing the fundamental physics", GRAAL Collaboration workshop was held J**



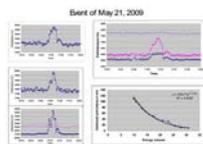
The objectives of the workshop were the accelerator experiments involving high precision probe the Lorentz invariance, the isotropy of the speed of light and related basic concepts at the GRAAL facility at European Synchrotron Research Facility in Grenoble on the Cor

- **The first LINK Sunday school held in Nor Amberd International Conference Center (May 25, 200**



The International Institute of Management "Link" provides the Professional Certificate British Open University. The program started in 2003 and delivers three British Open U School programmes aimed at developing management in the CIS countries: ? ...

- **Aragats Physicists Measure Energy Spectra of the Runaway electrons _ an important step to sol**



A. Chilingarian, A.Daryan, L.Melkumyan The cosmic rays ionize enough of the atmosphere possible triggers of the thunderstorms. A mechanism proposed by A. Gurevich and his team that showers of energetic particles produced by high-energy cosmic rays in the...

- **Experts Visit the Future Nuclear Medicine Center in YerPhi (May 6, 2009)**



May 6, members of the governmental commission and experts from Ion Beam Applications, a leading producer of accelerators and services for the radiation diagnostics, visited YerPhi to hold on the technical issues of Cyclotron to be purchased and installed in YerPhi, accel

- **Alikhanyan prize for the best presentation at the Nor Amberd conference was presented to Bagr**



The Alikhanyan prize established for the young scientist having delivered the best presentation at the 2008 conference held in Nor Amberd was awarded to Bagrat Mailyan on May 5 for his presentation on the variation in intensity of different species of secondary cosmic rays as...

- **Jubilee of Aida Akopova (May 4, 2009)**



On May 4 YerPhi veterans gathered at the director's office to celebrate the jubilee of Aida Akopova, the oldest employees of YerPhi, the leader of the nuclear emulsion group. Figure 1. Aida Akopova and Nina Demekhina Figure 2. Eric...

- **Visit of the CNCP delegation to YerPhi (May 4, 2009)**

On May 4th the delegation of the UK Closed Nuclear Cities Partnership (CNCP) programme visited YerPhI. The scientific ideas and technologies is the core of CNCP's strategy for creating secure, well- paid and satisfactory nuclear weapons specialists. While...

- **New Members of the Armenian National Academy of Sciences (Apr 22, 2009)**



At the annual meeting of the National Academy of Sciences held on April 22, 2009, new members were nominated as academy members, among them former head of the YerPhI astrophysics department, Prof. A. Aharonian (Irish advanced studies center and Max Plank Institute, Heidelberg), Prof. A.

- **YerPhI External Board started its work (Apr 20, 2009)**



On April 20, 2009 the chair of the YerPhI external board academician of Russian Academy of Sciences Yuri Oganissyan met with YerPhI scientists engaged in preparing reports for the board nomination. Yuri Oganissyan explained what kind of documents should be prepared, how to...

- **Visit of Brazilian Ambassador to YerPhI (Mar 6, 2009)**



March 6, 2009, the ambassador of Brazil, her excellence Renate Still, Vice Consul, Pres of the Brazilian Embassy, Mr. Hovsep N. Seferyan visited the Yerevan Physics Institute (YerPhI) to discuss possibilities of scientific collaboration between YerPhI and Brazilian universities. Brazil.

- **Visit of Professor Kapitsa to Yerevan Physics Institute (Feb 13, 2009)**



February 13, 2009, by invitation of YerPhI director Ashot Chilingarian, Prof. Sergei Kapitsa, Russian physicist and educator visited Yerevan Physics Institute. Professor Kapitsa is well known for his scientific research in area of accelerator physics, his multiyear lecturing in Moscow Physics Institute.

- **A New Monument to Artem Alikhanian at Yerevan Physics Institute (Feb 12, 2009)**



In a memorable ceremony the new monument to Artem Alikhanian was unveiled at the Yerevan Physics Institute (YerPhI), on February 12, 2009. Artem Alikhanian is the founder of Yerevan Physics institute, currently bearing his name. The 100 year anniversary of the institute is celebrated.

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