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CRD press releases Archive

- **CRD's Bagrat Mailyan defend the PhD thesis in June, 2011 (Jun 21, 2011)**



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- **ANL complemented with two more master students (Jun 20, 2011)**



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- **New particle detectors installed at Aragats for precise measurement of the Thunderstorm Ground... (Jun 20, 2011)**



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- **Weather Station Vantage Pro2 is installed at Aragats (Jun 19, 2011)**



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- **May 20, 2011: Road to Aragats is open (May 20, 2011)**



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- **Armenian physicists discover important relations between space born and surface observations of... (Mar 18, 2011)**



Figure 1. Symmetry of the terrestrial gamma flashes (TGFs) and thunderstorm ground enhancements (TGEs)
- **SEVAN Network expanding to India Jawaharlal Nehru University (Jan 26, 2011)**

The network of particle detectors located at middle to low latitudes, SEVAN (Space Environmental Viewing and Analysis Network) aims to improve fundamental researches of the particle acceleration in the vicinity of the sun and thespace environments. The new type of particle detectors will simultaneously measure...


- **Aragats station on 22.11.2010 (Nov 22, 2010)**

WEATHER Local date Saturday, Nov 20 Sunday, Nov 21 Local time 00 03 06 09 12 15 18 21 00 03 06 09 12 15 18 21 Wind...


- **Aragats physicists publish an important discovery about thunderstorms! (Oct 21, 2010)**

CosmicRay research on Mt. Aragats started in 1943 by the physicists Artem and Abraham Alikhanyans. Since then researches at the Cosmic Ray Division (CRD) of the Alikhanyan National Laboratory have continued at two high altitude research stations: on Mt. Aragats, as well as the headquarters in Yerevan. CRD is...


- **Participation of the Armenian Delegation in the 31-st All- Russian conference on cosmic rays.... (Oct 21, 2010)**

The conference concurred with memorabledates, to which special sessions were devoted: 100-year anniversary of Sergei Nikolaevich Vernov, 50 years after the discoveryof the "knee" in energy spectrum of cosmic rays, A session devoted to thememory of recently passed Georgi Timofeevich Zatsepin. The...


- **CRD Provides Daily Information from Aragats (Oct 21, 2010)**

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


- **ST (Mar 24, 2011)**

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- **First Forbush decrease of the 24th Solar Activity Cycle registered by Aragats Neutron Monitors (Oct 21, 2010)**

Picture of the Day



Astrophysics News

Щит оказался с пузырями, gazeta.ru
Астрономы предсказали аномальное падение...
Вояджеры нашли на границе Солнечной системы...
Научное шоу
Космические лучи удивили астрономов

CRD Trac
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Search engines



Aragats
Wed 11:00
+19°C
1 m/s
Feels Like: 19 °C
Visibility: 50 km

WEATHER MAPS

17:00	23:00	05:00
25°	17°	14°
↑ 3	↓ 3	↓ 1
Wed	Thu	Fri
25°	25°	24°
↓ 4	↓ 4	↓ 3


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FORECA





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

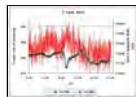
- **First scientific publication from LHC 7 TeV run appears in Phys. Rev. Letters! (Oct 21, 2010)**
 Since 1995 group from Yerevan Physics Institute headed by Albert Sirunyan participates in the preparation of the Compact Muon Solenoid (CMS) experiment. YerPhI group was involved in the detectors design and construction, data analysis software development as well as in test beam data taking &...

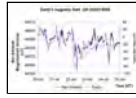

- **Birthday of A.I. Alikhanyan (Oct 21, 2010)**
 On June 24 the 102 anniversary of YerPhI first director Artem Alikhanyan the emeritus and present employees of YerPhI celebrated laying flowers to his monument. The day became remarkable with another important event: RA government publicized the June 17 decision on transformation of the "A. I....



- **The Alikhanyan National Lab Makes Another Step in the Isotope Production Activities (Oct 21, 2010)**
 During spring 2010 a new metallic cathode with high emission properties has been installed in an electron gun of 40 MeV linear accelerator (Linac, used previously as injector for the 6 GeV electron synchrotron). The first tests demonstrated the high quality of the electron beam parameters (Electron current I e...



- **A reportage devoted to YerPhI (Oct 21, 2010)**
 The "Hraparakum" program on H1 TV station shot a footage about the Yerevan Physics Institute. The program referred to the overall history, highlighted the achievements and rendered to the perspectives of YerPhI. The footage was shot both in the YerPhI Yerevan headquarters and in Aragats...



- **The First Geomagnetic Effect of new 24th Solar Activity Cycle detected at Aragats Space... (May 7, 2010)**
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- **Magnetometric Measurements started in Armenia (Jul 22, 2009)**
 Magnetometric station LEMI-417, commissioned by Lviv center of Space Research Institute of Ukrainian Academy of Sciences, was installed in Nor Amberd (the same type of station with added electrical field sensors will be installed in Aragats in September, 3200 above sea level). See in Figure 1 the first...



- **The first LINK Sunday School held in Nor Amberd International Conference Center (May 22, 2009)**
 The International Institute of Management "Link" provides Professional Certificate in management of the British Open University. The program started in 2003 and delivers three British Open University Business School programmes aimed at developing management in the CIS countries:...



- **Visit of Professor Kapitsa to Yerevan Physics Institute (Feb 13, 2009)**
 February 13, 2009, by invitation of YerPhI director Ashot Chilingarian, Prof. Sergei Kapitsa, the renowned Russian physicist and educator visited Yerevan Physics Institute. Professor Kapitsa is well known by his scientific research in the area of accelerator physics, his multiyear lecturing in Moscow...


- **A New Monument to Artem Alikhanyan at Yerevan Physics Institute (Feb 12, 2009)**
 In a memorable ceremony the new monument to Arem Alikhanyan was unveiled at the main square of the Yerevan Physics Institute (YerPhI), on February 12, 2009. Artem Alikhanyan is the founder and first director of Yerevan Physics institute, currently bearing his name. The 100...


- **SEVAN Network expanding To Bulgaria and Croatia (Dec 22, 2008)**
 ...


- **Visit of Russian scientists to Nor Amberd research station (Sep 19, 2008)**
 On September 19, 2008, Russian delegation invited by the Armenian government to participate in the anniversary of Viktor Hambartsumian visited Nor Amberd research station of Yerevan Physics Institute. After demonstration of the station facilities and explaining the place of CRD researches in the...


- **Participation of the CRD delegation in European Cosmic Ray Symposium (Sep 12, 2008)**
 The 21st ECRS - European Cosmic Ray Symposium was held at the Technical University of Košice, Košice, Slovakia, from Tuesday 9th September to Friday 12th September 2008. The scientific program included oral and poster presentations covering the following topics: 1....


- **CRD- GIAN- DAAD symposium: Advanced information technologies in collaborations: preconditions for... (Aug 29, 2008)**
 Cosmic Rays, Alikhanyan Physics Institute; Nor Amberd, Armenia, August 29- 30, 2008 A 2-day seminar was held at Nor Amberd international conference center hosting 25 participants from Iran, Germany and Armenia. 15 papers were presented during the following 2 sessions:...
- **The 37th COSPAR Congress in Canada (Jul 13, 2008)**



Founded in 1958, Committee on Space Research (COSPAR) is considered as the international community's foremost space science research organization. The objectives of COSPAR are to promote on an international level scientific research in space, with an emphasis on the exchange of results, information and...

◦ **Artem Alikhanyan 1908 – 2008 (Jun 24, 2008)**



On June 24, 2008, Armenia celebrated the 100 year anniversary of one of its most renowned scientists, Artem Alikhanyan. The Yerevan Physics Institute (recently renamed the Alikhanyan Physics Institute) organized a number of events devoted to this anniversary. On June 24 Alikhanyan's former...

◦ **CRD 2008 Master program (Jun 14, 2008)**



This year two students of Department of Physics Yerevan State University: Tigran Karapetyan and Bagrat Mailyan obtained master's degree in physics. Both have prepared their masters theses at the Cosmic Ray Division of the Alikhanyan Physics Institute. Scientific advisor for both theses was the head of...

◦ **Memorial Garden in honor of Robert Apkarian at Nor-Amberd (Oct 22, 2006)**



On the slopes of Mt. Aragats in the vicinity of the Nor-Amberd International Research and Conference center a garden is devoted to Robert Apkarian, founder and director of Emory's Integrated Microscopy and Microanalytical Facility who passed on February 2005 in a motorbike accident. Robert Apkarian,...

◦ **Severe Radiation Storms Alert Service Started at CRD (Mar 21, 2001)**

The Cosmic Ray Division of Yerevan Physics Institute offers an alert service to warn of severe radiation storms. Last year the Sun reached its maximum in the 11-year solar cycle, and during the coming 2-3 years the probability of Sun Energetic Phenomena (SEP), including intensive fluxes of Solar particles,...

◦ **CRD Actively Participates in International Collaborations (Nov 23, 2000)**

In October at the Nor-Amberd International Conference Center, the CRD hosted the "MAGIC Triggers and Associated Problems" workshop that was devoted to the discussion of first and second level triggers. MAGIC (Major Atmospheric Gamma Imaging Cherenkov Telescope) is the international scientific...

◦ **Armenian Physicists Made Precise Measurements of one of the Most Important Characteristics of the... (Aug 21, 2000)**

Armenian physicists precisely measured one of the most important characteristics of the primary cosmic ray radiation the size spectra of the Extensive Air Showers. Data obtained were a result of Extensive Air Shower measurements conducted at the Mt. Aragats high altitude stations over many years. The size...

◦ **Armenia has been Officially Recognized as a New Member of the COSPAR during the 33rd Congress in... (Aug 21, 2000)**

During its 33rd Congress at Warsaw the Committee on Space Research (COSPAR) admitted the Cosmic Ray Division (CRD) of the Yerevan Physics Institute as the representative of Armenia to the COSPAR and officially greeted the acceptance of the Armenian Government be part of this international organization...

◦ **Cosmic Ray Division Gets Unique Results During Recent Solar Activity Peak (Jul 24, 2000)**

Six installations of the Cosmic Ray Division monitoring solar activities and various parameters of Cosmic Ray flux registered unique results during the week of solar peak activity. All six installations registered decrease in Galactic Cosmic Ray (GCR) intensity in the aftermath of solar eruptions. The active Sun...

◦ **Success of the Armenian Cosmic Ray Science during 26th Cosmic Ray Conference in Russia. CRD... (Jul 10, 2000)**

The Armenian participants in the 26th Cosmic Ray Conference, Dubna, Russia (July 3-7, 2000) returned home. Members of Armenian delegation, consisting of seven physicists from the Cosmic Ray Division of Yerevan Physics Institute (CRD) devoted their presentation to the discussion of physical aspects of sources and...

◦ **Armenia became a COSPAR member (Jun 22, 2000)**

Committee on Space Research (COSPAR) has admitted Cosmic Ray Division of Yerevan Physics Institute (CRD) as the representative of Armenia to COSPAR. COSPAR (<http://cospar.itodys.jussieu.fr/>) is the leading International scientific organization uniting 40 members (Armenia has become the 41st) of the...

◦ **Aragats Space Environmental Center Adds New Detector Facility (Jun 21, 2000)**

The Cosmic Ray Division (CRD) of the Yerevan Physics Institute in Armenia is dedicated to keeping the study of cosmic phenomena alive in Armenia. The director of the Cosmic Ray Division, Dr. Ashot Chilingarian, works diligently and relentlessly to keep Armenia in the forefront of this fast growing science. There...

◦ **United Nations Holds Workshop on the International Heliophysical Year and Basic Space Science (Jun 9, 2008)**

VIENNA, 9 June (UN Information Service) – As part of the outreach activities for the International Heliophysical Year (IHY) which started in 2007, the United Nations Office for Outer Space Affairs (UNOOSA) organized a five-day Workshop on the International Heliophysical Year 2007 and Basic Space Science in...

◦ **CRD in Armenia: Early warning system can significantly increase Satellite fleet security (Jul 1, 2001)**

"Large area ground-based detector networks can enhance the accuracy and efficiency of harmful solar radiation storm predictions by complementing data available from space borne detectors," say scientists from the Cosmic Ray Division (CRD) of the Yerevan Physics Institute in Armenia. An...

◦ **Armenian Delegation Participates in International Heliophysical Year 2007 Workshop (Jun 2, 2008)**



The delegation of Cosmic Ray Division participated in the UN/ESA/NASA/JAXA Workshop on the first results of the International Heliophysical Year 2007 and Basic Space Science hosted by the Solar-Terrestrial Influences Laboratory of the Bulgarian Academy of Sciences, held on June 2-6, 2008 in Sozopol,...

◦ **Radio signals from the Sun warn of radiation storms (Jun 9, 2008)**



A coronal mass ejection (CME) is a solar challenge to our more and more space-technology dependant civilization. A CME cloud is laced with magnetic fields and when directed our way, smashes into Earth's magnetic field. If the magnetic fields have the correct orientation, they dump energy into the...

◦ **2009 CRD calendars issued (Aug 9, 2008)**



In August 2008 thanks to effort of CRD designer Narine Khachatryan and Joe and Liza Dagdigyans – founders and active members of Boston chapter of “CRD friends” the newly designed CRD 2009 calendar was completed and printed by “Tigran Mets” printing house. The...

- **International workshop in Armenia: “Forecasting of Radiation and Geomagnetic Storms by... (Oct 3, 2008)**



Summary and recommendations The International Workshop: “Forecasting of Radiation and Geomagnetic Storms by networks of particle detectors” (FORGES-2008) was held on September 29 - October3, 2008, in International Conference Center, Nor Amberd, Armenia, 40 km from Armenia’s...

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



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

- **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 commercialization of scientific ideas and technologies is the core of CNCP’s strategy for creating secure, well- paid and satisfactory jobs for former nuclear weapons specialists. While...

- **Experts visit future Nuclear Medicine Center in YerPhI (May 6, 2009)**



May 6, members of the governmental commission and experts from Ion Beam Applications (IBA), a world leading producer of accelerators and services for the radiation diagnostics, visited YerPhI. Discussions were held on the technical issues of Cyclotron to be purchased and installed in YerPhI, accelerator...


- **Visit of YerPhI Delegation to Zagreb and Athens (Sep 4, 2009)**



On September 4-18 the YerPhI delegation (Chilingarian A., Mailyan B., Hovhannisyanyan A.) participated in the International conference on the Heliophysical Phenomena and the Earth Environment in Shibenik, Croatia. The regional meeting of Balkanian-Black and Caspian sea was held for the third...

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