



# ARMENIAN ASTRONOMICAL SOCIETY Newsletter



## CONTENTS

New Issue of <i>Communications of the Byurakan Astrophysical Observatory</i> Released	2
New Book-Guide on Zorats Karer	3
Recent publications of Byurakan Astrophysical Observatory's astronomers	4
Most Important Astronomical Events 2025	6

## NEW ISSUE OF *COMMUNICATIONS OF THE BYURAKAN ASTROPHYSICAL OBSERVATORY* RELEASED

We are pleased to announce the publication of a new issue of the *Communications of the Byurakan Astrophysical Observatory* (ComBAO): Volume 72, Issue 2, December 2025.

*Communications of the Byurakan Astrophysical Observatory* is a peer-reviewed scientific journal of the NAS RA V. Ambartsumian Byurakan Astrophysical Observatory. The journal publishes research in observational and theoretical astronomy and astrophysics, highlighting recent advances in these fields. Issued in English and available in electronic format, *ComBAO* serves as an important platform for the dissemination of scientific results in astronomy and related disciplines.

The journal publishes original research papers, review articles, brief reports, book reviews, and special communications, as well as observational and theoretical results across various areas of astronomy and related sciences. It also includes editorial materials, such as anniversary notes and obituaries. Under the heading “Legacy”, the renewed journal republishes valuable historical articles in English, while “Guest Articles” present contributions by researchers who are not affiliated with BAO.

Founded in 1946, *ComBAO* was published regularly from 1946 to 1990. Its publication was interrupted in 1991 due to the economic difficulties that followed the dissolution of the Soviet Union.

The earlier Russian-language issues of *Communications of the Byurakan Observatory* namely Issues 1–63 published during 1946–1990, are available online through the Pan-Armenian Digital Library. Issues of the *Yerevan Observatory Bulletin* published from 1938 to 1945 are also accessible there.

In 2017, the administration of the Byurakan Astrophysical Observatory decided to resume publication of *ComBAO* in electronic form. In order to preserve continuity with the historical series, the renewed edition began with Issue LXIV (64).

The newly released Volume 72, Issue 2 (December 2025) continues this important scientific tradition, offering new contributions and recent results in astronomy and astrophysics.

The new issue is available online at the [following link](#).

The screenshot displays the website for the *Communications of the Byurakan Astrophysical Observatory* (ComBAO). The header features the journal title in Armenian (ԲՅՈՒՐԱԿԱՆ ԱՍՏՐՈՖԻՍՏՐՈՒՄԻ ԶԱՂՈՐԴՈՒՄՆԵՐ) and English (COMMUNICATIONS OF THE BYURAKAN ASTROPHYSICAL OBSERVATORY). A navigation menu includes links for HOME, SUBJECTS, EDITORIAL BOARD, INSTRUCTIONS FOR AUTHORS, ARCHIVE, CURRENT ISSUE, PUBLISHED PAPERS, AUTHORS, and RELATED LINKS. The main content area shows the journal title and issue information (Volume 72, Issue 2, Dec 2025). Two article abstracts are visible: one titled "Dynamics of clusters of galaxies in the presence of dark energy: Virgo cluster" by H. A. Harutyunian and E. H. Nikogosyan (0.1 MB), and another titled "Quantum interference of a de Broglie wave of a Dirac particle beyond the 'hypothesis of locality'. Part I: Dirac equation" by G. Ter-Kazarian (0.2 MB).

## BOOK PRESENTATION HELD FOR HAYK MALKHASYAN'S NEW GUIDE ON ZORATS KARER

A presentation was held for the newly published booklet by Hayk Malkhasyan, Head of the Department of Historical and Cultural Astronomy at the Byurakan Astrophysical Observatory, titled “The Rock-Cut Observatory of Armenia: Zorats Karer. An Astronomical Description and Visitor’s Guide.”

The publication offers not only an accessible overview of the possible astronomical role of Zorats Karer, but also serves as a practical guide for visitors, allowing readers to observe the monument’s individual stones and platforms one by one. Using the booklet, visitors can understand where to stand, what to look at, and which features of the starry sky may be seen from particular points of the monument.

According to Hayk Malkhasyan, the booklet was intentionally written in a clear and accessible style in order to introduce scientific facts to a wider audience. While a scientific article would primarily address specialists, this publication was designed for the general public, without losing its scholarly value. At the same time, a bibliography of professional literature has also been included at the end of the booklet for those wishing to explore the subject further. As Malkhasyan notes, the purpose was to give people the opportunity to stand where humans may have stood thousands of years ago and to see with their own eyes how such an observational site might have functioned. In this way, the guide connects scientific interpretation with direct personal experience at the monument itself.



The publication also addresses one of the most debated questions surrounding Zorats Karer: whether it should be considered an observatory at all. Responding to views that interpret the site exclusively as a burial or ritual complex, Malkhasyan emphasizes that in ancient times ritual life and astronomical observation were deeply interconnected. Human ideas about life, death, time, and the cosmos were closely related to the movements of celestial bodies. Therefore, the presence of ritual or funerary functions does not exclude the possibility of an astronomical role.

## RECENT PUBLICATIONS OF BYURAKAN ASTROPHYSICAL OBSERVATORY'S ASTRONOMERS

No.	Authors	Title	Publication
1.	Kostandyan, G. R.; Gigoyan, K. S.	<a href="#">M type Periodic Variables from Catalina Sky Survey</a>	Communications of BAO
2.	Mkrtchyan, V. Kh.; Mickaelian, A. M.; Abrahamyan, H. V.	<a href="#">Optical Variability of Blazars</a>	Communications of BAO
3.	Mikayelyan, G. A.	<a href="#">Recent results of studies of IR galaxies</a>	Communications of BAO
4.	Paronyan, G. M.; Mickaelian, A. M.; Abrahamyan, H. V.; Mikayelyan, G. A.; Sukiasyan, A. G.; Mkrtchyan, V. K.; Gasparyan, A. A.	<a href="#">Activity types of x-ray selected galaxies</a>	Communications of BAO
5.	Abrahamyan, H. V.; Mickaelian, A. M.; Mikayelyan, G. A.; Paronyan, G. M.	<a href="#">Recent results of studies of radio galaxies</a>	Communications of BAO
6.	Harutyunian, H. A.	<a href="#">Diversity of active phenomena created by dark energy</a>	Communications of BAO
7.	Gigoyan, K. K.; Gigoyan, K. S.; Kostandyan, G. R.	<a href="#">The Third Catalogue of the First Byurakan Survey of Late-Type Stars</a>	Communications of BAO
8.	Gigoyan, K. K.	<a href="#">A New N-Type Carbon Star Identified in the Gaia DR3 Spectroscopic Database</a>	Communications of BAO
9.	Malkhasyan, H. A.	<a href="#">The Potential Lunisolar Gnomonic Function of Pillars 18 and 19 in Enclosure D at Portasar (Göbekli Tepe)</a>	Communications of BAO
10.	Nikoghosyan, E.; Baghdasaryan, D.; Andreyan, D.; Azatyan, N.; Samsonyan, A.; Yeghikyan, A.	<a href="#">IdentYS: A Python-Based Tool for Identifying Young Stars in Star-Forming Regions</a>	Communications of BAO
11.	Rah, M.; Spurzem, R.; Dotti, F. F.; Mickaelian, A.	<a href="#">Pulsars and Millisecond Pulsars III: Tracing Compact Object Dynamics in Globular Clusters with NBODY6++GPU</a>	Communications of BAO
12.	Yeghikyan, A.; Rah, M.; Shamyar, S.; Khachatryan, S.	<a href="#">Dynamical Preconditions for Ice Formation in Supernova Remnant and Cloud Interactions: A 2D MHD Study</a>	Communications of BAO
13.	Ter-Kazarian, G.	<a href="#">Quantum interference of a de Broglie wave of a Dirac particle beyond the 'hypothesis of locality'. Part III: Geometry</a>	Communications of BAO
14.	Ter-Kazarian, G.	<a href="#">Quantum interference of a de Broglie wave of a Dirac particle beyond the 'hypothesis of locality'. Part II. Hermiticity and non-relativistic limit</a>	Communications of BAO
15.	Ter-Kazarian, G.	<a href="#">Quantum interference of a de Broglie wave of a Dirac particle beyond the 'hypothesis of locality'. Part I: Dirac equation</a>	Communications of BAO

16.	<b>Harutyunian, H. A.; Nikoghosyan, E. H.</b>	<a href="#">Dynamics of clusters of galaxies in the presence of dark energy: Virgo cluster</a>	Communications of BAO
17.	Neuhäuser, D. L.; Neuhäuser, R.; <b>Hambaryan, V.</b> ; Chapman, J.; Della Valle, M.	<a href="#">Challenging historical novae: AT Cnc (1645), Te-11 (483), and M22 (BC 48) revisited</a>	Astronomy & Astrophysics
18.	<b>Arshakian, T. G.; Hambardzumyan, L. A.</b> ; Pushkarev, A. B.; Homan, D. C.; Karapetyan, E. L.	<a href="#">Studies of stationary features in jets: 3C 279 quasar: I. On-sky scattering and dynamics</a>	Astronomy & Astrophysics

## MOST IMPORTANT ASTRONOMICAL EVENTS 2025

### JANUARY

04.01.2025 – Earth at perihelion.

13.01.2025, Byurakan, Armenia – Ashot Akopian and Hovhannes Pikichian were awarded the Annual Prize for the Best Paper published in *Communications of BAO* in 2024.

22.01.2025, online – Quarterly meeting of the IAU Regional Centres. Areg Mickaelian participated.

22–23.01.2025, Bulgarian Academy of Sciences, Sofia, Bulgaria – European Astronomical Society (EAS) Business Meeting with Affiliated Societies. Gayane Baleyan participated and delivered a short talk.

24.01.2025 – *StemNews.am* published an interview with Areg Mickaelian.

### FEBRUARY

04–06.02.2025, Shiraz, Iran – 18th Annual Meeting of the Astronomical Society of Iran. Areg Mickaelian and Gayane Baleyan participated with invited talks.

04.02.2025, Shiraz, Iran – Signing of a Memorandum of Understanding between the Armenian Astronomical Society (ArAS) and the Astronomical Society of Iran.

08.02.2025 – Release on YouTube of BAO Research Department of “Cosmic Compact Objects and Relativistic Gravity” Head Armen Sedrakian’s interview on gravitational waves.

11.02.2025, Byurakan, Armenia – Event dedicated to the International Day of Women and Girls in Science, organized within the EU “Young European Ambassadors” (YEA) initiative.

12.02.2025, YSU, Yerevan, Armenia – Seminar by Gurgen Paronyan: “Studies of X-ray Properties of AGN.”

23.02.2025, Yerevan, Armenia – Final stage of the 2025 Armenian Republican Astronomical Olympiad. Jury Chair: Hrant Topchyan.

26.02.2025, Yerevan, Armenia – Areg Mickaelian’s visit and lecture at Avedisian School, upon the invitation of the school director, Mrs. M. Geghamyan.

27.02.2025, Byurakan, Armenia – Defence of the PhD theses of Gurgen Paronyan (supervisor: Areg Mickaelian) and Anahit Samsonyan (supervisor: Ararat Yeghikyan) at the BAO Special Council session.

27.02.2025, YSU, Yerevan, Armenia – Seminar by Liana Hambardzumyan: “Studies of Stationary Components in Blazar Jets on Sub-Parsec Scales.”

### MARCH

10.03.2025 – Programs on Women and Girls in Science by the EU “Young European Ambassadors” (YEA) initiative, featuring Naira Azatyan, Sama Shamyar, and Gayane Baleyan.

10.03.2025, Yerevan, Armenia – Areg Mickaelian’s public lecture at the Russian House in Armenia.

13–14.03.2025 – Total lunar eclipse.

15.03.2025 – European Astronomical Society (EAS) Awards 2025: the Tycho Brahe Medal was awarded to Karl-Friedrich Schuster (IRAM, France), the Lodewijk Woltjer Lecture to Jørgen Christensen-Dalsgaard (Aarhus University, Denmark), and the Jocelyn Bell Burnell Inspiration Medal to arXiv.

- 19–27.03.2025, IAP, Paris, France – Areg Mickaelian’s research visit collaboration with Prof. Michel Dennefeld, including his seminar on 20.03.2025: “Search and Studies of Active Galaxies in the Byurakan Astrophysical Observatory.”
- 21.03.2025, Moscow, Russia – 16th General Meeting of the Euro-Asian Astronomical Society (EAAS). Areg Mickaelian participated online.
- 28.03.2025, Byurakan, Armenia – Memorandum of Understanding signed between BAO, represented by Director Areg Mickaelian, and the Center for Innovation Promotion and Research (CIPR), represented by Founding Director Mary Hrachuhi Bogosian.
- 29.03.2025 – Partial solar eclipse.
- 30.03.2025 – BAO researcher Naira Azatyan gave an interview to Kentron TV.

## APRIL

- 01–30.04.2025, Armenian provinces – ArAS School Lectures Program “From School to Space” held in 37 schools in Shirak, Lori, Tavush, Kotayk, Gegharkunik, Aragatsotn, Ararat, Armavir, Vayots Dzor, and Syunik. Lecturers: Areg Mickaelian, Ararat Yeghikyan, Hayk Harutyunian, Hovhannes Pikichian, and Hayk Malkhasyan. Coordinator: Sona Farmanyanyan.
- 07–09.04.2025, Hangzhou, China – International Conference “AI-Empowered Astronomy for Open Science.” Areg Mickaelian and Gayane Baleyan participated with talks, including Areg Mickaelian’s invited talk.
- 08.04.2025, NAS RA, Yerevan, Armenia – Public lecture by Hayk Abrahamyan.
- 14.04.2025, Byurakan, Armenia – BAO seminar by Gayane Baleyan on “AI in Scientific Writing.”
- 15.04.2025 – Publication of the proceedings of IAU Symposium No. 365, held in Yerevan in 2023, by Cambridge University Press.
- 17.04.2025, Byurakan, Armenia – Seminar by Ismail Mohamed Emam Fayed (National Research Institute of Astronomy and Geophysics, Egypt): “An Overview of the Kottamia Astronomical Observatory: Advancements in Instrumentation, International Collaboration, and Future Prospects.”
- 19–20.04.2025, Byurakan, Armenia – Visit of AYAS Space Club students to BAO.
- 21.04.2025 – Publication in *Monthly Notices of the Royal Astronomical Society* of the paper by Kamo Gigoyan and co-authors, “Value-added Catalogue of Late-type Stars Found in the Digitized First Byurakan Survey Database: Third Edition.”
- 22.04.2025, NAS RA, Yerevan, Armenia – Areg Mickaelian presented the talk “Multiwavelength Search and Studies of Active Galaxies” at the NAS RA Physics and Astrophysics Division Annual Meeting 2025.
- 26.04.2025 – Research groups led by Hayk Abrahamyan and Naira Azatyan were awarded ANSEF 2025–2026 grants.
- 28.04.2025, Byurakan, Armenia – Seminar dedicated to the 60th anniversary of Armen Sedrakian (01.04.2025).
- 30.04.2025, Gyumri, Armenia – Opening of an astronomy room at Wonder Kids Academy in Gyumri

**MAY**

02–10.05.2025, Sintra, Portugal – Liana Hambardzumyan participated in the 6th International School on Scientific Writing, organized by the European journal *Astronomy & Astrophysics* (A&A).

05.05.2025, Yerevan, Armenia – Academician Radik Martirosyan (1936–2025), former Rector of YSU (1993–2006), President of NAS RA (2006–2021), laureate of numerous prizes and awards, and Chair of the International Steering Committee of the V. Ambartsumian International Science Prize, passed away.

05–09.05.2025, Byurakan, Armenia – XVII Armenian-Georgian (Byurakan-Abastumani) Joint Astronomical Colloquium. SOC Co-Chairs: Areg Mickaelian and Revaz Chanishvili. LOC Co-Chairs: Hayk Abrahamyan and Gor Mikayelyan. The colloquium hosted 42 participants and included 39 talks, among them 13 invited and 26 oral presentations.

14.05.2025 – The 2025 Gruber Cosmology Prize was awarded to Ryan Cooke (Durham University, UK) and Max Pettini (University of Cambridge, UK) for bringing light-element abundances and Big Bang nucleosynthesis into the realm of precision cosmology.

16.05.2025, NAS RA, Yerevan, Armenia – Areg Mickaelian delivered a seminar within the series “From Earth to Mars: The Contribution of Scientists.”

19.05.2025 – Publication of BAO Principal Researcher Gagik Ter-Kazarian’s paper “On the Kinetic Recession Velocities of Astronomical Objects” in *Gravitation and Cosmology*, addressing a long-standing problem in general relativity.

22.05.2025, Byurakan, Armenia – Seminar dedicated to the 90th anniversary of Rafik Vardanian (20.05.2025), presented by Hayk Harutyunian.

22.05–01.06.2025, Visegrád, Hungary – Tigran Magakian and Tigran Movsessian participated in the conference “Star Formation, Stellar Feedback, and the Ecology of Galaxies.”

27.05.2025, Byurakan, Armenia – Conference of Armenian space-sector organizations, organized on the initiative of the Armenian Astronomical Society (ArAS).

29.05.2025, Byurakan, Armenia – Seminar by BAO PhD student Maria Rah (NAS RA BAO, Armenia/Iran): “From Identifying Gaps to Simulating Evolution: A Comprehensive Study of Pulsars and Millisecond Pulsars.”

**JUNE**

01.06.2025, Byurakan, Armenia – Public event dedicated to International Children’s Day.

03.06.2025 – Broadcast on MIR 24 / Armenia TV about the life and scientific legacy of Viktor Ambartsumian, including an interview with Areg Mickaelian.

04.06.2025, NAS RA, Yerevan, Armenia – Areg Mickaelian’s seminar: “International Activities of the Byurakan Astrophysical Observatory.”

10.06.2025, Byurakan, Armenia – Visit of H.E. Marieke Monroy, Ambassador of the Netherlands to Armenia, to BAO.

12–13.06.2025, Budapest, Hungary – Meeting of the Board of Directors of the journal *Astronomy & Astrophysics* (A&A). Areg Mickaelian participated.

16–22.06.2025, Leiden, the Netherlands – Erasmus+ project between BAO and Leiden University on project writing and project management, involving Areg Mickaelian, Hayk Abrahamyan, Gor Mikayelyan, Gayane Baleyan, and Lilit Darbinyan. Gor Mikayelyan delivered an invited seminar.

18.06.2025, Leiden University, the Netherlands – Seminar by Gor Mikayelyan: “Multiwavelength Studies of IR Galaxies.”

19–21.06.2025, Zurich, Switzerland – ASTROMEET-2025 International Conference. Areg Mickaelian participated with a keynote talk.

22.06–02.07.2025, Byurakan, Armenia – Summer Math Camp for Artsakh schoolchildren, organized by Gaiane Panina, Ivan Panin, and colleagues.

22.06.2025, Byurakan, Armenia – Visit of participants of the European Youth Parliament (EYP) Byurakan Conference to BAO.

23–27.06.2025, Cork, Ireland – EAS Annual Meeting 2025. Participants from BAO included Areg Mickaelian, Elena Nikoghosyan, Hayk Abrahamyan, Naira Azatyan, Anahit Samsonyan, Gor Mikayelyan, Derenik Andreasyan, Andranik Sukiasyan, Varduhi Mkrtchyan, Anna Gasparyan, and Lilit Darbinyan. The delegation presented 6 talks, 5 short talks, and 5 posters. Areg Mickaelian also participated in the EAS Council Meeting and gave a short talk.

30.06–04.07.2025, Amsterdam University, the Netherlands – Research visit by Elena Nikoghosyan, Naira Azatyan, Anahit Samsonyan, and Derenik Andreasyan to meet Lex Kaper and his team an Advanced Research Grant collaboration.

## JULY

01.07.2025 – Publication of BAO Head of the Historical-Cultural Astronomy Research Department Hayk Malkhasyan’s book *Zorats Karer: Armenia’s Stone Observatory. Astronomical Description and Visitor’s Guide*.

03.07.2025 – Earth at aphelion.

03.07.2025 – Visit of SNAD Workshop participants to BAO and discussions with the Astronomical Surveys Research Department.

04–10.07.2025, Byurakan, Armenia – 11th Byurakan Science Camp (11BSC), organized by Sona Farmanyan.

10.07.2025, Byurakan, Armenia – Seminars dedicated to the anniversaries of Gagik Ter-Kazarian, Ararat Yeghikyan, Grigor Broutian, and Gurgen Paronyan.

12–16.07.2025, Byurakan, Armenia – 8th Astronomy School Teachers Training Workshop 2025. Program Coordinator: Sona Farmanyan.

14.07.2025, Byurakan, Armenia – Seminar by Zhen Guo (Universidad de Valparaíso, Chile): “Eruptive Young Stars in the Era of Large-Scale Surveys.”

20–26.07.2025, Byurakan, Armenia – 2nd Byurakan Summer School for Engineers (2BSSE).

22.07.2025, Byurakan, Armenia – BAO Annual Interim Report Meeting. Areg Mickaelian presented a report on BAO activities during the first half of 2025.

22.07.2025, Yerevan, Armenia – Areg Mickaelian’s public lecture organized by “Hzor Mitq.”

24.07.2025, Byurakan, Armenia – Seminar dedicated to the 80th anniversary of Ashot Petrosyan.  
 26.07.2025, Byurakan, Armenia – “Stellar” Gala of Matena Alumni at BAO.  
 28–31.07.2025, Byurakan, Armenia – 6th Byurakan Summer School for YSU Physics Faculty Students.  
 28.07–01.08.2025, Cologne, Germany – Liana Hambardzumyan’s research visit for collaborative work with Dr. Tigran Arshakian.  
 28.07–01.08.2025, YSU, Yerevan, Armenia – Arus Harutyunyan participated in the XIII International Symposium on Quantum Theory and Symmetries (QTS-13).

## AUGUST

01.08.2025, Byurakan, Armenia – Visit of participants of the NAS RA Summer Scientific School to BAO. Areg Mickaelian delivered a lecture.  
 03–10.08.2025, Byurakan, Armenia – Science camp of the “ArmElectronic” School of Robotics and Engineering Skills, organized by Gayane Baleyan.  
 11–13.08.2025, Byurakan, Armenia – Public event dedicated to the Perseids meteor shower, with the maximum phase on 12.08.2025.  
 11–21.08.2025, Mumbai, India – Armenian team’s participation in the 18th International Olympiad on Astronomy and Astrophysics (IOAA). Armenian students won 2 silver medals, 1 bronze medal, and 2 Honourable Mentions. Team leader: Hrant Topchyan.  
 12.08.2025 – Viktor Ambartsumian’s Memorial Day.  
 13.08.2025, Xinjiang Astronomical Observatory, Urumqi, China – Seminars by Areg Mickaelian and Gayane Baleyan.  
 15.08.2025, Xinjiang Astronomical Observatory, Urumqi, China – Signing of a Memorandum of Understanding between BAO and Xinjiang Astronomical Observatory (XAO).  
 22.08.2025, Byurakan, Armenia – Visit of H.E. Tatjana Panajotović Cvetković, Ambassador of Serbia to Armenia, to BAO.  
 25–29.08.2025, Heraklion, Crete, Greece – Liana Hambardzumyan participated in the symposium “Extragalactic Jets at All Scales: A Cretan View.”  
 27.08.2025 – On the occasion of the 20th anniversary of the popular-science journal *In the World of Science*, the most active contributors were awarded Letters of Commendation by NAS RA, including Areg Mickaelian from BAO.

## SEPTEMBER

01.09.2025, Byurakan, Armenia – Knowledge Day public event. Visit of Ashtarak High School students to BAO.  
 01.09.2025, Byurakan, Armenia – Seminar dedicated to the 75th anniversary of Hovhannes Pikichian.  
 02–04.09.2025 – Visit of Croatian amateur astronomers to BAO.  
 05.09.2025, Byurakan, Armenia – Visit of RA Aragatsotn Governor Sergey Movsisyan to BAO and discussion of possible cooperation.  
 07–08.09.2025 – Total lunar eclipse.

08–12.09.2025, Byurakan, Armenia – 4th South West and Central Asia Regional Astronomical Summer School (4RASS) on “Astronomy and Data Science.”

15–19.09.2025, Byurakan, Armenia – International Symposium “Astronomical Surveys and Big Data 3” (ASBD-3), dedicated to the 20th anniversary of the Armenian Virtual Observatory.

15.09.2025, Byurakan, Armenia – Signing of a Memorandum of Understanding between ArVO and China-VO.

18.09.2025, Byurakan, Armenia – Viktor Ambartsumian’s birthday and Astronomy Day in Armenia, marked by a public event.

20–27.09.2025, Sochi, Russia – Five students from the A. Shahinyan PhysMath School in Yerevan participated in the International Open Astronomy Olympiad, winning 3 gold and 2 silver medals. Armenia placed second in the team ranking. Team leader: Artavazd Harutyunyan.

21.09.2025 – Partial solar eclipse.

21–27.09.2025, St. Petersburg, Russia – Tigran Magakian participated in the symposium “Stellar Physics in the Era of Multiwavelength Observations.”

29.09.2025 – Publication in the *Journal of the Korean Astronomical Society* of “The Outbursting YSOs Catalogue (OYCAT),” co-authored by BAO Principal Researcher Tigran Magakian.

## OCTOBER

06–10.10.2025, Byurakan, Armenia – UNESCO-supported International Conference “Astronomical Heritage of the Middle East 2” (AHME-2). Organizers: Areg Mickaelian, Ani Davtyan, and Gor Mikayelyan.

08.10.2025, Byurakan, Armenia – BAO Astronomy Fest 2025. Organizers: Areg Mickaelian, Ani Davtyan, Lilit Darbinyan, and others.

08.10.2025, Byurakan, Armenia – Official opening of the Martiros Saryan Room at the BAO Guest House.

14.10.2025 – On the occasion of the International Day of Light, NASE initiated the global educational program “Sky Colors,” in which BAO researcher Varduhi Mkrtchyan participated with her students Sargis Malkhasyan, Hripsime Abajyan, and Davit Mkrtchyan.

21.10.2025 – The 2025 Shaw Prize in Astronomy was awarded to John Richard Bond and George Efstathiou for their pioneering research in cosmology, particularly on fluctuations in the cosmic microwave background.

23.10.2025, Byurakan, Armenia – Seminar dedicated to the 75th anniversary of Noreta Andreasian-Thomas.

24.10.2025, online – Public lecture by Hayk Abrahamyan for schoolchildren in Syunik Province.

27–30.10.2025, Strasbourg, France – Arus Harutyunyan participated in the CoCoNuT Meeting 2025.

29.10.2025, online – Armenian Astronomical Society 2025 External Conference. Organizers: Levon Pogosian, Kevork Abazajian, Armen Sedrakian, Areg Mickaelian, and Naira Azatyan.

30.10.2025, Byurakan, Armenia – Seminars by Ashot Melkonian and Arevik Sargsyan on the BAO 2.6m telescope and the Herouni mirror radio telescope.

31.10.2025, Moscow, Russia – Euro-Asian Astronomical Society (EAAS) Council Meeting. Areg Mickaelian participated online as EAAS Vice-Chair.

## NOVEMBER

10.11.2025, NAS RA, Yerevan, Armenia – UNESCO World Science Day for Peace and Development event at NAS RA.

10.11.2025, NAS RA, Yerevan, Armenia – NAS RA Prize Award Ceremony. BAO scientists Tigran Magakian and Tigran Movsessian received the NAS RA 2025 Prize in the field of Fundamental Research in Physics and Technical Sciences.

10.11.2025, NAS RA, Yerevan, Armenia – Ambartsumian Grants Award Ceremony. Several BAO research teams and international collaboration initiatives received grants, including CAP-2026, BAO-80, and 10BISS.

11–13.11.2025, Amman, Jordan – 7th Middle East and Africa Regional IAU Meeting (MEARIM 7). Areg Mickaelian and Ani Davtyan participated. The BAO delegation delivered 4 talks, including Areg Mickaelian’s keynote talk. Areg Mickaelian also served as a member of the Scientific Organizing Committee.

13.11.2025, Amman, Jordan – Signing of a Memorandum of Understanding between BAO and the University of Jordan.

20.11.2025, Byurakan, Armenia – Seminar dedicated to the 100th anniversary of Romela Shahbazian, presented by Areg Mickaelian.

20.11.2025, Byurakan, Armenia – UNICEF event at BAO on the occasion of World Children’s Day.

24.11.2025, Byurakan, Armenia – Seminar dedicated to the 70th anniversary of Tigran Movsessian.

## DECEMBER

02.12.2025 – BAO Junior Researcher Derenik Andreyan was awarded a Young Scientists Support Program (YSSP) foreign training grant.

10.12.2025, YSU, Yerevan, Armenia – Seminar by Arus Harutyunyan: “Bulk Viscosity of Two-Flavor Color Superconducting Quark Matter in Binary Neutron Star Mergers.”

14.12.2025 – Interview with Areg Mickaelian in *168 Zham*, summarizing BAO activities in 2025.

16.12.2025, Byurakan, Armenia – BAO Annual Report Meeting 2025, including the Director’s report.

16.12.2025, Byurakan, Armenia – ArAS Annual Prize for Young Astronomers (Yervant Terzian Prize) 2025 awarded to Arus Harutyunyan.

16.12.2025, Byurakan, Armenia – Galileo Teachers Training Program (GTTP) 2025 certificates awarded to Lilit Darbinyan and Anna Manukyan.

17.12.2025, Museum of Architecture, Yerevan, Armenia – Presentation of BAO scientist Hayk Malkhasyan’s book *Zorats Karer* in Armenian and English.

19.12.2025 – Interview with Areg Mickaelian for *Armenpress* on the occasion of BAO’s forthcoming 80th anniversary.

20.12.2025, Aghveran, Armenia – Areg Mickaelian participated in the annual summary workshop of the RA targeted grant led by the Institute of Informatics and Automation Problems (IIAP).

ArAS News is the electronic newsletter of the Armenian Astronomical Society. It was distributed to all ArAS members from the beginning of 2002, 4 times a year, typically at the end of each trimester. In 2009-2014, 8 issues annually and since 2015, 12 issues annually have been released.

ArASNews publishes information materials on ArAS, Byurakan Astrophysical Observatory and the Armenian astronomy in general, reports on ArAS Annual Meetings and participation of the Armenian astronomers in important international meetings, articles on occasion of anniversaries of famous Armenian astronomers and ArAS members, acceptance of new ArAS members, achievements of the Armenian astronomers, astronomical education in Armenia, Armenian archaeoastronomy, as well as science articles (reviews) on important studies.

So, if you want to share your studies with the scientific community, send us your articles to [lilit.darbinyan7@gmail.com](mailto:lilit.darbinyan7@gmail.com). They will be reviewed for the publication in ArAS Newsletters next issues.

*ArAS Newsletter issues are available online with the [following link](#).*