Gohar Hovhannes Hovhannisyan

23-52
hov_gohar@ysu.am

Institute of Physics
Chair of Nuclear Physics and Astrophysics
Associate professor

Institute of Physics
Chair of Nuclear Physics and Astrophysics
Associate professor

Research Institute of Physics
Միջուկային ֆիզիկայի և աստղաֆիզիկայի կենտրոն
Հեռանկարային հետազոտությունների միջազգային կենտրոն
Senior Researcher

Education

Institution	Yerevan State University
Faculty	Nuclear Physics Chair
Date	2008 - 2011
Degree name	Applicant

Institution	Yerevan State University
Faculty	Physics
Date	1990 - 1995
Degree name	Qualified specialist

Scientific Rank/degree

Institution	Yerevan State University
Date	2018
Degree name	Associate professor

Date	2012
Degree name	Candidate
Scientific Supervisor	A. Danagulyan
Research Topic	12C Induced Nuclear Interactions on Enriched Tin Targets

Language skills

Հայերեն Русский English

Work experience

Institution	Yerevan State University
Period of time	2025 till now
Rank/degree	Associate professor, Nuclear Physics and Astrophysics Chair

Institution	Yerevan State University
Period of time	2024 - 2025
Rank/degree	Head of the chair, associate professor, Nuclear Physics Chair

Institution	Yerevan State University
Period of time	2021 till now
Rank/degree	Senior researcher, International Center of Advanced Studies

Institution	Yerevan State University
Period of time	2018 - 2024
Rank/degree	Associate professor, Nuclear Physics Chair

Institution	Yerevan State University
Period of time	2012 - 2018
Rank/degree	Assistant professor, Nuclear Physics Chair

Institution	Yerevan State University
Period of time	2011 - 2012
Rank/degree	Lecturer, Nuclear Physics Chair

Institution	Yerevan State University
Period of time	2011 - 2022
Rank/degree	Researcher, International Center of Advanced studies

Institution	Yerevan State University
Period of time	2002 - 2011
Rank/degree	Researcher, Nuclear Physics Chair

Publications

Article

RARE CLUSTERING PROCESSES IN NUCLEI IN THE INTERMEDIATE MASS RANGE [Редкие процессы кластеризации ядер в области средних масс]

A. R. Balabekyan, G. H. Hovhannisyan, S. V. Gaginyan, S. G. Poghosyan, M. A. Khachatryan, E. L. Karapetyan, J. R. Drnoyan, K. Katovsky

Journal of Contemporary Physics (Armenian Academy of Sciences) 2026 1–5

https://link.springer.com/article/10.1134/S1068337226700283

Article

Proton induced reactions on 118Sn target at energies up to 18 MeV

G. H. Hovhannisyan, N. S. Gharibyan, T. M. Bakhshiyan, A. R. Balabekyan, S. V. Gaginyan,

G. V. Martirosyan, A. Manukyan, R. K. Dallakyan, A. Aprahamian

The European Physical Journal A 2026 81

https://doi.org/10.1140/epja/s10050-026-01849-w

Article

Low-pressure multi-wire proportional chamber-based fission-fragment sensitive detection system: application in nuclear forensic analysis

A.R. Balabekyan, G.H. Hovhannisyan, S.V. Gaginyan, G.M. Ayvazyan, H.G. Zohrabyan, V.H. Kakoyan,

A.T. Margaryan

The European Physical Journal Special Topics 2025 123504

Article

Proton-induced reactions on enriched 120-Sn: comprehensive analyses via stacked-foil target technique

G. H. Hovhannisyan, T. M. Bakhshiyan, G. Tukharyan, N. Gharibyan, G. V. Martirosyan

The European Physical Journal Special Topics 2025 8

Article

Formation of medical radioisotope 111In in photonuclear reactions

G.H. Hovhannisyan, T.M. Bakhshiyan

Journal of Instrumentation 2024 C07010

Article

Access to diagnostic imaging and radiotherapy technologies for patients with cancer in the Baltic countries, eastern Europe, central Asia, and the Caucasus: a comprehensive analysis

Gohar H Hovhannisyan, Tatul Saghatelyan, Manjit Dosanjh, Vesna Gershan, et al.

The Lancet Oncology 2024 1487 - 1495

Article

Proton induced reactions on 114Sn and 120Sn targets at energies up to 18 MeV

G. H. Hovhannisyan, A. R. Balabekyan, G. V. Martirosyan, T. M. Bakhshiyan, R. K. Dallakyan

The European Physical Journal A 2023 161

Article

ЭКСПЕРИМЕНТАЛЬНАЯ УСТАНОВКА НА ОСНОВЕ LPMWPC И SSD ДЕТЕКТОРОВ ДЛЯ РЕГИСТРАЦИИ И ИДЕНТИФИКАЦИИ АЛЬФА-ЧАСТИЦ И ОСКОЛКОВ ДЕЛЕНИЯ

А.Р. БАЛАБЕКЯН, Г.О. ОГАНЕСЯН, С.В. ГАГИНЯН, Г. М. АЙВАЗЯН, Г.Г. ЗОГРАБЯН, В.О. ХАЧАТРЯН,

Г.С. ВАРТАНЯН, А. Т. МАРГАРЯН

Proceedings of NAS RA Physics 2023 503-508

Article

Experimental Installation Based on LPMWPC and SSD Detectors for Registration and Identification of Alpha Particles and Fission Fragments

A.R. Balabekyan, G. H. Hovhannisyan, S.V. Gaginyan, G. M. Ayvazyan, H. G. Zohrabyan, H. S. Vardanyan,

V. H. Khachatryan, A. T. Margaryan

Journal of Contemporary Physics (Armenian Academy of Sciences) 2023 321–325

Conference

Formation of Medical Radioisotopes 111In in Photonuclear Reactions
G.H. Hovhannisyan, T.M. Bakhshiyan

2023 101 - 101

https://conference.iapp.am/

Conference

ԾԱՆՐ ՄԻՋՈՒԿՆԵՐԻ ԻՆՔՆԱԿԱՄ ԵՎ ՀԱՐԿԱԴՐԱԿԱՆ ԲԱԺԱՆՄԱՆ ՀԱՋՎԱԳՅՈՒՏ ՊՐՈՑԵՍՆԵՐ
Բալաբեկյան Ա.Ռ., Հովհաննիսյան Գ.Հ., Գագինյան Ս.Վ., Ձոհրաբյան Հ.Գ., Խաչատրյան Պ.Ա

2023 171 - 171

https://www.ysu.am/conference/770

Article

Production of 47Sc in photonuclear reactions on natTi targets at the bremsstrahlung endpoint energy of 30 and 40 MeV
G.H. Hovhannisyan, T.M. Bakhshiyan, A.R. Balabekyan, I.A. Kerobyan

Applied Radiation and Isotopes 2022 110138

Article

Investigations at the LUE-75 Linear Accelerator Facility of A.I. Alikhanyan National Science Laboratory
A.S. Hakobyan, H.H. Marukyan, I. A. Kerobyan, H. R. Gulkanyan, L. A. Poghosyan, V. S. Pogosov,

H. T. Torosyan, A. Z. Babayan, L. R. Vahradyan, A. R. Balabekyan, G. H. Hovhannisyan, R. K. Dallakyan,

K. Katovsky

Journal of Contemporary Physics (Armenian Academy of Sciences) 2022 209-217

Article

Photonuclear Reactions on Medium-Mass Nuclei
G. H. Hovhannisyan, T. M. Bakhshiyan, G. V. Martirosyan

Journal of Contemporary Physics (Armenian Academy of Sciences) 2022 325-330

Article

Ծանր միջուկների բաժանման հազվագյուտ պրոցեսներ
Գոհար Հովհաննիսյան, Անահիտ Բալաբեկյան, Ամուր Մարգարյան

Գիտության աշխարհում 2022 36-43

Article

Photonuclear production of the medical isotope 67Cu
G.H. Hovhannisyan, T.M. Bakhshiyan, R.K. Dallakyan

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS
2021 48-51

Conference

Photonuclear production of 47Sc isotope
Gohar Hovhannisyan, Tiruhi Bakhshiyan

2021 141

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Article

Methods of Production the Isotope 67Cu

G. H. Hovhannisyan, A. V. Stepanyan, E. R. Saryan, L. A. Amirakyan

Journal of Contemporary Physics (Armenian Academy of Sciences) 2020 183-190

Article

The comparison of theoretical model calculations and experimental data of 58, 60, 61, 64Ni, 64, 66, 68Zn, and 63, 65Cu photo-nuclear reactions

G.H. Hovhannisyan, T.M. Bakhshiyan, R.K.Dallakyan, A.S. Danagulyan

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS
2020 25-30

Article

96gTc As an Alternative Gamma-Ray Emitter for Medical Diagnostics

G. H. Hovhannisyan, A. S. Danagulyan, T. M. Bakhshyan

Physics of Atomic Nuclei 2019 1-7

Conference

47Sc PRODUCTION WITH ELECTRON ACCELERATOR

G.H. Hovhannisyan, A.S. Danagulyan, T.M. Bakhshyan

2019 58

http://nrpm.yerphi.am/

Study manual

Միջուկային ֆիզիկայի լաբորատոր աշխատանքներ

Ռ. Մարգարյան, Գ. Հովհաննիսյան, Կ. Օհանյան, Լ. Պետրոսյան

2018 206

Article

Influence of high-spin states on isomeric ratios of nuclear reaction products

G.H. Hovhannisyan, A.S. Danagulyan, T.M. Bakhshiyan

Journal of Contemporary Physics (Armenian Academy of Sciences) 2017 305–310

Study manual

Հետազոտությունների ճառագայթային մեթոդներ

Գոհար Հովհաննիսյան

2017 152

Article

Special Features of Isomeric Ratios in Nuclear Reactions Induced by Various Projectile Particles

G. H. Hovhannisyan, A.S. Danagulyan, T. M. Bakhshiyan, G. V. Martirosyan

Physics of Atomic Nuclei 2016 326–334

http://link.springer.com/journal/11450

Article

FEATURES OF ISOMERIC REATIOS IN NUCLEAR REACTIONS WITH DIFFERENT PROJECTILES

A.S.Danagulyan, G.H.Hovhannisyan, T.M.Bakhshiyan, G.V.Martirosyan

Physics of Atomic Nuclei 2016 326-334

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Article

Some Medical Radionuclides Production by C18/18 Cyclotron
A.S. Danagulyan, G.H. Hovhannisyan

Armenian Journal of Physics 2016 178-182

http://ajp.asj-oa.am/

Article

Analysis of Isomeric Ratios for Medium-Mass Nuclei
G. H. Hovhannisyan, A. S. Danagulyan, T. M. Bakhshiyan, I. A. Kerobyan

Physics of Atomic Nuclei 2016 679–685

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Article

Formation of Medical Radioisotopes 111In, 117mSn, 124Sb, and 177Lu in Photonuclear Reactions
A. S. Danagulyan, G. H. Hovhannisyan, T. M. Bakhshiyan, R. H. Avagyan, A. E. Avetisyan, I.A.Kerobyan,

R. K. Dallakyan

Physics of Atomic Nuclei 2015 447–452

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Article

Փորձերի արդյունքների մշակումը համակարգչի օգնությամբ
Գ. Հ. Հովհաննիսյան

Բնագետ 2015 55-61

http://www.ysu.am/bnaget

Conference

Some Features of Isomeric Ratios in Nuclear Reactions Induced by p, d, and a
A.S. Danagulyan, G.H. Hovhannisyan, T. M. Bakhshiyan

2015 119

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Some Medical Radionuclides Production by C18/18 Cyclotron
A.S. Danagulyan, G. H. Hovhannisyan

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The consistent description of diffusion and kinetic states of the adsorption of ligands on DNA immobilized molecules
Valeri B.Arakelyan, Zaven E. Navoyan, Gohar G. Hovhannisyan, Poghos O. Vardevanyan

2015 96

http://www.jbsdonline.com/c4327/albany-2015-conversation-19-c4328.html

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Article

Photonuclear Reactions on 112,118,124Sn, natTe, and natHf Targets
G. H. Hovhannisyan, A. S. Danagulyan, T. M. Bakhshiyan, R. H. Avagyan, A. E. Avetisyan, I.A.Kerobyan,

R. K. Dallakyan

Physics of Atomic Nuclei 2014 1313–1320