

Gohar Hovhannes Hovhannisyan

Institute of Physics

Chair of Nuclear Physics and Astrophysics

Associate professor

☎ 23-52

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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
Specialty	Physico-mathematical sciences

Institution	A. Alikhanyan national scientific laboratory
Date	2012
Degree name	Candidate
Specialty	Physico-mathematical sciences
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

Scientific interests

- Nuclear reactions
 - Nuclear Medicine
 - Model calculations
 - Isotope production
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Publications

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

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. Bakhshiyani, G. Tukharyan, N. Gharibyan, G. V. Martirosyan

European Physical Journal: Special Topics 2025 8

Article

Formation of medical radioisotope ^{111}In in photonuclear reactions

G.H. Hovhannisyan, T.M. Bakhshiyani

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 Saghatelian, Manjit Dosanjh, Vesna Gershan, et al.

The Lancet Oncology 2024 1487 - 1495

Article

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

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

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

Известия НАН РА. Физика (Journal of Contemporary Physics (Armenian Academy of Sciences) 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

Article

Production of ^{47}Sc in photonuclear reactions on natTi targets at the bremsstrahlung endpoint energy of 30 and 40 MeV

G.H. Hovhannisyan, T.M. Bakhshiyani, 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

Article

Photonuclear Reactions on Medium-Mass Nuclei

G. H. Hovhannisyan, T. M. Bakhshyan, G. V. Martirosyan

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

Article

Ճանր միջուկների բաժանման հազվագյուտ պրոցեսներ

Գոհար Հովհաննիսյան, Անահիտ Բալաբեկյան, Ամուր Մարգարյան

Գիտության աշխարհում 2022 36-43

Article

Photonuclear production of the medical isotope ^{67}Cu

G.H. Hovhannisyan, T.M. Bakhshyan, R.K. Dallakyan

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

Article

Methods of Production the Isotope ^{67}Cu

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 $^{58}, ^{60}, ^{61}, ^{64}\text{Ni}$, $^{64}, ^{66}, ^{68}\text{Zn}$, and $^{63}, ^{65}\text{Cu}$ photo-nuclear reactions

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

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

Article

^{96}Tc 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

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. Bakhshyan

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

Manual

Հետազոտությունների ճառագայթային մեթոդներ

Գոհար Հովհաննիսյան

Article

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

G. H. Hovhannisyanyan, A.S. Danagulyan, T. M. Bakhshiyanyan, G. V. Martirosyan

Physics of Atomic Nuclei 2016 326-334

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

Article

FEATURES OF ISOMERIC RATIOS IN NUCLEAR REACTIONS WITH DIFFERENT PROJECTILES

A.S.Danagulyan, G.H.Hovhannisyanyan, T.M.Bakhshiyanyan, G.V.Martirosyan

Physics of Atomic Nuclei 2016 326-334

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

Article

Some Medical Radionuclides Production by C18/18 Cyclotron

A.S. Danagulyan, G.H. Hovhannisyanyan

Armenian Journal of Physics 2016 178-182

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

Article

Analysis of Isomeric Ratios for Medium-Mass Nuclei

G. H. Hovhannisyanyan, A. S. Danagulyan, T. M. Bakhshiyanyan, I. A. Kerobyanyan

Physics of Atomic Nuclei 2016 679-685

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

Article

Formation of Medical Radioisotopes ^{111}In , $^{117\text{m}}\text{Sn}$, ^{124}Sb , and ^{177}Lu in Photonuclear Reactions

A. S. Danagulyan, G. H. Hovhannisyanyan, T. M. Bakhshiyanyan, R. H. Avagyan, A. E. Avetisyan, I.A.Kerobyanyan,

R. K. Dallakyan

Physics of Atomic Nuclei 2015 447-452

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

Article

Փորձերի արդյունքների մշակումը համակարգչի օգնությամբ

Գ. Հ. Հովհաննիսյան

Բնագետ 2015 55-61

<http://www.ysu.am/bnaget>

Article

Photonuclear Reactions on $^{112,118,124}\text{Sn}$, natTe , and natHf Targets

G. H. Hovhannisyanyan, A. S. Danagulyan, T. M. Bakhshiyanyan, R. H. Avagyan, A. E. Avetisyan, I.A.Kerobyanyan,

R. K. Dallakyan

Physics of Atomic Nuclei 2014 1313-1320

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

Conference

Some Features of Isomeric Ratios in Nuclear Reactions Induced by p, d, and a

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

Conference

Some Medical Radionuclides Production by C18/18 Cyclotron

A.S. Danagulyan, G. H. Hovhannisyan

Conference

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

Conference

47Sc PRODUCTION WITH ELECTRON ACCELERATOR

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

Conference

Photonuclear production of 47Sc isotope

Gohar Hovhannisyan, Tiruhi Bakhshiyani

Ematerial

Հետազոտությունների ճառագայթային մեթոդներ

Գոհար Հովհաննիսյան

Ematerial

ՄԻՋՈՒԿԱՅԻՆ ՖԻԶԻԿԱՅԻ ԼԱԲՈՐԱՏՈՐ ԱՇԽԱՏԱԼՔՆԵՐ

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

Conference

Formation of Medical Radioisotopes 111In in Photonuclear Reactions

G.H. Hovhannisyan, T.M. Bakhshiyani

Conference

ՇԱՆՐ ՄԻՋՈՒԿԱՅԻՆ ԻՆՔՆԱԿԱՄ ԵՎ ՀԱՐԿԱԴՐԱԿԱՆ ԲԱԺԱՆՄԱՆ ՀԱՉՎԱԳՅՈՒՏ ՊՐՈՑԵՍՆԵՐ

Բալաբեկյան Ա.Ռ., Հովհաննիսյան Գ.Հ., Գագինյան Ս.Վ., Չոիրաբյան Հ.Գ., Խաչատրյան Պ.Ա
