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Միջուկային ֆիզիկայի և աստղաֆիզիկայի կենտրոն
Հեռանկարային հետազոտությունների միջազգային կենտրոն
Senior Researcher

Research Institute of Physics
Միջուկային ֆիզիկայի և աստղաֆիզիկայի կենտրոն
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Senior Researcher

Institute of Physics
Chair of Nuclear Physics and Astrophysics
Lecturer on an hourly basis

Education

Institution	Yerevan State University
Faculty	Physics
Date	2006 - 2008
Degree name	Masters

Institution	Yerevan State University
Faculty	Physics
Date	2000 - 2004
Degree name	Bachelor

Scientific Rank/degree

Institution	A.I. Alikhanyan National Science Laboratory (Yerevan Physics Institute)
Date	2013
Degree name	Candidate
Scientific Supervisor	Norair Akopov
Research Topic	A study of charged hadron multiplicities and the multidimensional nuclear attenuation effect at the HERMES experiment

Participation in international conferences and seminars

28/11/2022 - 02/12/2022	The Belle II physics week Valencia, Spain Spain
07/08/2016 - 12/08/2016	Gordon Research Conference on Photonuclear Reactions 2016 Holderness School, NH, USA United States of America (the)

20/10/2014 - 24/10/2014	The 21-th International Symposium on Spin Physics (Spin 2014) Beijing, China China
09/06/2014 - 13/06/2014	Transverse Polarisation Phenomena in Hard Processes (Transversity 2014) Chia,Cagliari,Italy Italy
30/09/2013 - 04/10/2013	13th International Conference on Meson-Nucleon Physics and the Structure of the Nucleon (MENU 2013) Rome, Italy Italy
22/04/2013 - 26/04/2013	XXI International Workshop on Deep-Inelastic Scattering and Related Subjects(DIS13) Marseille,France France
22/10/2012 - 26/10/2012	3rd Workshop on the QCD Structure of the Nucleon(QCD-N12) Bilbao,Spain Spain
17/09/2012 - 22/09/2012	The 20th International Symposium on Spin Physics(SPIN12) Dubna,Russia Russian Federation (the)
26/03/2012 - 30/03/2012	XX International Workshop on Deep-Inelastic Scattering and Related Subjects (DIS12) Bonn,Germany Germany
23/01/2012 - 27/01/2012	50th International Winter Meeting on Nuclear Physics Bormio,Italy Italy
24/07/2011 - 29/07/2011	19th Particles & Nuclei International Conference(PANIC11) MIT, Cambridge, MA, USA United States of America (the)

Publications

Article

Observation of □□+□□− →□□ϒ(2□□) and search for □□+□□−→□□ϒ(1□□), □□□□□ at √□□ near 10.75 GeV

I. Adachi, L. Aggarwal, H. Ahmed, Y. Ahn, H. Aihara, N. Akopov, S. Alghamdi, M. Alhakami, A. Aloisio, N. Althubiti, K. Amos, M. Angelsmark, N. Anh Ky, C. Antonioli, D. M. Asner, H. Atmacan, T. Aushev, V. Aushev, M. Aversano, R. Ayad, G. Karyan, Belle II Collaboration

Physical Review D 2026 L051102-1 - L051102-8

https://doi.org/10.1103/9f61-rmvx

Article

Operation and performance of the Belle II Aerogel RICH detector

K. Špenko, I. Adachi, R. Dolenec, S. Dey, A. Hvala, T. Iijima, S. Iwata, G. Ghevondyan, R. Giordano, H. Kakuno, G. Karyan, T. Kohriki, S. Korpar, P. Križan, G. Nazaryan, et al.

Nuclear Instruments and Methods in Physics Research Section A Accelerators Spectrometers Detectors and Associated Equipment
2026 171430 - 171430

https://doi.org/10.1016/j.nima.2026.171430

Article

Improved measurement of Born cross sections for χbJ ω and χbJ (π+π−π0)non−ω (J = 0, 1, 2) at Belle and Belle II

I. Adachi, L. Aggarwal, H. Ahmed, H. Aihara, N. Akopov, M. Alhakami, A. Aloisio, N. Althubiti, M. Angelsmark, N. Anh Ky, D. M. Asner, H. Atmacan, V. Aushev, M. Aversano, R. Ayad, V. Babu, H. Bae, N. K. Baghel, S. Bahinipati, P. Bambade, G. Karyan, The Belle and the Belle II collaborations

Journal of High Energy Physics 2026 101

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Article

Measurement of the inclusive branching fractions for B0s decays into D mesons via hadronic tagging

I. Adachi, L. Aggarwal, H. Ahmed, H. Aihara, N. Akopov, A. Aloisio, S. Al Said, N. Althubiti, N. Anh Ky, D. M. Asner, H. Atmacan, T. Aushev, V. Aushev, M. Aversano, R. Ayad, V. Babu, H. Bae, N. K. Baghel, S. Bahinipati, P. Bambade, G. Karyan, The Belle and Belle II collaborations, Yang, M. Yasaveev

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Article

Search for a Dark Higgs Boson Produced in Association with Inelastic Dark Matter at the Belle II Experiment

I. Adachi, L. Aggarwal, H. Ahmed, H. Aihara, N. Akopov, S. Alghamdi, M. Alhakami, A. Aloisio, N. Althubiti, K. Amos, M. Angelsmark, N. Anh Ky, C. Antonioli, D. M. Asner, H. Atmacan, V. Aushev, M. Aversano, R. Ayad, V. Babu, N. K. Baghel, The Belle II Collaboration, G. Karyan

Physical Review Letters 2025 131801

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Measurement of □□+ →□□+□□□□ branching fraction with a hadronic tagging method at Belle II

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I. Adachi, K. Adamczyk, L. Aggarwal, H. Ahmed, Y. Ahn, H. Aihara, N. Akopov, S. Alghamdi, M. Alhakami, A. Aloisio, K. Amos, M. Angelsmark, N. Anh Ky, C. Antonioli, D. M. Asner, H. Atmacan, T. Aushev, V. Aushev, M. Aversano, R. Ayad, G. Karyan, Belle II Collaboration

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Search for Rare b →dℓ+ ℓ- Transitions at Belle
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Measurement of the branching fractions of B⁻ → D(*)K−KS∗0 and B⁻ → D(*)Ds− decays at Belle II
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New graph-neural-network flavor tagger for Belle II and measurement of sin 2φ1 in B0 →J/ψ K S0 decays
Gevorg Karyan, et al. (Belle II Collaboration) 415

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First Measurement of R (Xτ/ℓ) as an Inclusive Test of the b →cτν Anomaly
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Tests of Light-Lepton Universality in Angular Asymmetries of B0 → D − lν Decays
G. Karyan, I. Adachi, K. Adamczyk, L. Aggarwal, H. Aihara, N. Akopov, A. Aloisio, N. Anh Ky, D. M. Asner, H. Atmacan et al. (Belle II Collaboration)

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Article

Slow control of the Belle II Aerogel Ring Imaging detector

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Precise Measurement of the D + s Lifetime at Belle II
G. Karyan, I. Adachi, L. Aggarwal, H. Aihara, N. Akopov, A. Aloisio, N. Anh Ky, D. M. Asner, H. Atmacan,

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Physical Review Letters 2023 171803

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Search for a τ + τ − Resonance in e + e − → μ + μ − τ + τ − Events with the Belle II Experiment
G. Karyan, I. Adachi, K. Adamczyk, L. Aggarwal, H. Ahmed, H. Aihara, N. Akopov, A. Aloisio, N. Anh Ky,

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Test of Light-Lepton Universality in the Rates of Inclusive Semileptonic B-Meson Decays at Belle II
G. Karyan, L. Aggarwal, H. Ahmed, H. Aihara, N. Akopov, A. Aloisio, N. Anh Ky, D. M. Asner, H. Atmacan,

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Physical Review Letters 2023 051804

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Measurement of the τ-lepton mass with the Belle II experiment
G. Karyan, I. Adachi, K. Adamczyk, L. Aggarwal, H. Ahmed, H. Aihara, N. Akopov, A. Aloisio, N. Anh Ky,

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Physical Review D 2023 032006
