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Образование

Учреждение	Ереванский государственный университет
Факультет	физика
Дата	1980 - 1985
Степень / Звание	Квалифицированный специалист

Ученое звание/Ученая степень

Учреждение	Ереванский государственный университет
Дата	2011
Степень / Звание	Доктор наук
Научная тема	Исследование электрон-позитронного вакуума и некоторых индуцированных процессов в сильных лазерных полях

Знание языков

Հայերեն Русский English

Опыт работы

Учреждение	ЕГУ
Период времени	1988 до настоящего времени
Звание/степень	Старший научный сотрудник

Публикации

Статья

High harmonic generation and wave mixing in graphene quantum dots by bichromatic laser fields of circular polarization
H. K. Avetissian, A. G. Ghazaryan, G. F. Mkrtchian, Kh. V. Sedrakian

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A. G. Ghazaryan, N. O. Arustamyan, G. H. Chopuryan, Kh. V. Sedrakyan

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Kh. V. Sedrakian, H. K. Avetissian, A. G. Ghazaryan, G. F. Mkrtchian

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A G. Ghazaryan, H. H. Matevosyan, N. O. Arustamyan, T. M. Markosyan, Kh. V. Sedrakian

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Armenuhi Gevorg Ghazaryan, Hamlet Karo Avetissian, Garnik Felix Mkrtchian, Khachik Vazgen Sedrakian

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Статья

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Armenuhi G. Ghazaryan, Suren V. Sukiasyan, Khachik V. Sedrakian

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Multiphoton excitation and high harmonic generation in rectangular graphene quantum dot
A. G. Ghazaryan, Kh. V. Sedrakian, G. A. Musayelyan, T. M. Markosyan

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H. K. Avetissian, V. A. Sedrakyan, Kh. V. Sedrakian, G. F. Mkrtchian

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ГЕНЕРАЦИЯ ВЫСШИХ ГАРМОНИК С УЧЕТОМ МНОГОЧАСТИЧНОГО КУЛОНОВСКОГО ВЗАИМОДЕЙСТВИЯ В ГРАФЕНОВОЙ КВАНТОВОЙ ТОЧКЕ
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Х.В. Седракян, А. Г. Казарян, Б. Р. Авчян, К.С. Погосян, Т.М. Маркосян

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Armenuhi G. Ghazaryan, Khachik V. Sedrakian

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A. G. Ghazaryan, Kh. V. Sedrakian

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Impact of Electron-ion Coulomb Interaction in Above Threshold Ionization of Atom in Strong Medium Infrared Laser Field
Avetissian A.K., Ghazaryan A.G., Sedrakian Kh.V., Avchyan B.R.

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Конференция

Nonlinear Absorption Coefficient of Doped Graphene by Conductive Electrons Scattering on Charged Impurities
A.K. Avetissian, A.G. Ghazaryan, Kh.V. Sedrakian

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A. K. Avetissian, B. R. Avchyan, A. G. Ghazaryan, Kh. V. Sedrakian

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High harmonic generation in Landau-quantized graphene subjected to a strong electromagnetic radiation
Hamlet K. Avetissian, Armenuhi G. Ghazaryan, Garnik F. Mkrtchian, Khachik V. Sedrakian

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Induced nonlinear cross sections of conductive electrons scattering on the charged impurities in doped graphene
Avetissian Ara K., Ghazaryan Armenuhi G., Sedrakian Khachik V., Avchyan Babken R.

Journal of Nanophotonics 2017 036004: 1-12

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Конференция

Nonlinear Absorption Coefficient of Doped Graphene at Conductive Electrons Scattering on Charged Impurities
A.G. Ghazaryan, B.R. Avchyan, H.H. Matevosyan, Kh.V. Sedrakian

2017 P4-036

Конференция

Impact of Coulomb collisions on laser-plasma interaction processes at high densities and relativistic intensities
Ghazaryan A.G., Israelyan S.S., Matevosyan H.H., Sedrakian Kh.V.

2017 782

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Статья

Generation of high energy electron and positron beams in solid-plasma-nanolayers under relativistic laser pulses
H.K. Avetissian, A.K. Avetissian, H.H. Matevosyan, G.F. Mkrtchian, Kh.V. Sedrakian

News and Reports from High Energy Density generated by Heavy Ion and Laser Beams 2015 2016 Ի-77

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Landau-quantized graphene in strong radiation field and high harmonic generation
H.K. Avetissian, A.G. Ghazaryan, G.F. Mkrtchian, Kh.V. Sedrakian

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http://www.nano2016.gtu.ge/

Конференция

Role of Coulomb Forces and Radiation Friction in Laser Production of High Density Electron Beams from Solid-Plazma-Targets

H.K. Avetissian, S. S. Israelyan, G. F. Mkrtchian, Kh. V. Sedrakian

2016 3P-41

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Конференция

Radiation Induced Nonlinear Cross Sections of Conductive Electrons Scattering on Charged Impurities in Doped Graphene

A.K. Avetissian, B.R.Avchyan, A.G. Ghazaryan, Kh.V. Sedrakian

2016 8

Статья

Production of high energy-solid density electron bunches and hard γ-quanta and positron fluxes by ultrarelativistic lasers in solid-plasma targets

H.K. Avetissian, H. H. Matevosyan, G. F. Mkrtchian, Kh. V. Sedrakian

Physical Review Special Topics-Accelerators and Beams 2015 121301/7

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Конференция

Nonlinear Absorption of Superintense Linearly Polarized Laser Radiation in Relativistic Plasma via Bremsstrahlung

A. K. Avetissian, A. G. Ghazaryan, S. S. Israelyan, Kh. V. Sedrakian

2015 1P-11
