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📖 Публикации

Статья

Finite temperature fermionic charge and current densities in conical space with a circular edge

A. A. Saharian, V.F. Manukyan, T.A. Petrosyan

Physical Review D 2025 065006

Статья

Radiation of surface polaritons by an annular beam coaxially enclosing a cylindrical waveguide

A.A. Saharian, G.V. Chalyan, V.Kh. Kotanjyan, L.Sh. Grigoryan, H.F. Khachatryan

Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment
2025 170408

Статья

Radiation of surface polaritons by annular beams in cylindrical waveguides

Gor V. Chalyan, Aram A. Saharian

Proceedings of SPIE - The International Society for Optical Engineering 2025 208081

Статья

Topological Casimir effect for fermionic condensate in AdS spacetime with compact dimensions

T.A. Petrosyan, A.A. Grigoryan, A.A. Saharian

Europhysics Letters 2025 64001

Статья

Vacuum currents in elliptic pseudosphere tubes

A. A. Saharian, G. V. Mirzoyan

Nuclear Physics B 2025 117144

Статья

Effective potentials in general scalar-tensor theories of gravity

A. A. Saharian, G. H. Harutyunyan, H. K. Teryan, R. M. Avagyan

Astrophysics 2025 212-227

Статья

Radiation from a charged particle rotating around a ball of a dispersive matter

L. Sh. Grigoryan, H. F. Khachatryan, A. H. Mkrtchyan, S. B. Dabagov, A. A. Saharian, H. P. Harutyunyan, A. R. Mnatsakanyan, G. V. Margaryan, V. Kh. Kotanjyan

Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment
2025 170462

Статья

Generalized Abel-Plana formula as a renormalization tool in quantum field theory

Aram Saharian

Analysis, PDEs, and Applications: Trends in Mathematics 2025 175-183

Статья

Observation of coherent Cherenkov radiation of electron bunches from a partially dielectric loaded waveguide

L.Sh. Grigoryan, A.P. Potylitsyn, M.V. Shevelev, A.V. Vukolov, P.V. Karataev, S.B. Dabagov, A.S. Vardanyan, A.S. Yeremyan, M.M. Sukiasyan, A.A. Saharian, V.R. Kocharyan, T.R. Muradyan, M.L. Grigoryan, D.E. Baghdasaryan, V.Kh. Kotanjyan, A.V. Sargsyan, H.P. Harutyunyan, H.F. Khachatryan, A.R. Mnatsakanyan, A.H. Mkrtchyan

Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment
2024 169177

Статья

Spectral-angular distribution of radiation generated by a train of electron bunches passing through the centre of a ball

L. Sh. Grigoryan, A. H. Mkrtchyan, P. A. Aleksandrov, A. A. Saharian, W. Wagner, M. L. Grigoryan, J. P. Markosyan, A. V. Sargsyan, A. V. Martirosyan, H. F. Khachatryan

Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment
2024 168991

Статья

Vacuum currents for a scalar field in models with compact dimensions

Aram A. Saharian

Symmetry 2024 92

Статья

Quasidiscrete spectrum Cherenkov radiation by a charge moving inside a dielectric waveguide

A. A. Saharian, S. B. Dabagov, H. F. Khachatryan, L. Sh. Grigoryan

Journal of Instrumentation 2024 C06017

Образовательный Руководство

Տեսական մեխանիկայի խնդիրների ժողովածու

Ռոլանդ Ավագյան, Արամ Սահարյան, Տիգրան Պետրոսյան

2024 244

Статья

Fermionic vacuum stresses in models with toroidal compact dimensions

A. A. Saharian, R. M. Avagyan, G. H. Harutyunyan, G. H. Nikoghosyan

Aстрофизика (Astrophysics) 2024 231-245

Статья

Plane symmetric gravitational fields in (D+1)-dimensional General Relativity

R.M. Avagyan, T.A. Petrosyan, A.A. Saharian, G.H. Harutyunyan

Aстрофизика (Astrophysics) 2024 405 - 419

Статья

Topological Casimir effect in models with helical compact dimensions

R. M. Avagyan, A. A. Saharian, D. H. Simonyan, G. H. Harutyunyan

Astrophysics 2024 520-536

Статья

Electromagnetic vacuum stresses and energy fluxes induced by a cosmic string in de Sitter spacetime

A.A. Saharyan, V.F. Manukyan, V. Kh. Kotanjyan, A. A. Grigoryan

International Journal of Modern Physics D 2023 2350042

Статья

Surface-polariton excitation and energy losses by a charged particle in cylindrical waveguides

A.A. Saharian, L.Sh. Grigoryan, A.S. Kotanjyan, H.F. Khachatryan

Physical Review A 2023 063513

Статья

Fermionic condensate and the mean energy-momentum tensor in the Fulling-Rindler vacuum

S. Bellucci, V.Kh. Kotanjyan, A.A. Saharian

Physical Review D 2023 085014

Статья

Motion of a Particle in the Field of an Infinite Flat Slab

R.M. Avagyan, A.A. Saharian, S.S. Jibilyan

Astrophysics 2023 411-422

Статья

Radiation processes on acoustic superlattices

A.A. Saharian, L. Sh. Grigoryan, H. F. Khachatryan, V. V. Parazian

Journal of Physics: Conference Series 2023 012017

Статья

On investigations of radiation processes in media under external influences conducted at the IAPP

L. Sh. Grigoryan, A. A. Saharian, M. L. Grigoryan, V. Kh. Kotanjyan, H. F. Khachatryan

Journal of Physics: Conference Series 2023 012012

Статья

Helical vacuum currents for a scalar field in models with nontrivial spatial topology

Статья

Surface Casimir densities on branes orthogonal to the boundary of anti-de Sitter spacetime

Aram Saharian

Physics (Switzerland) 2023 1145-1162

Статья

Topological Effects in a Fermionic Condensate Induced by a Cosmic String and Compactification on the AdS Bulk

Stefano Bellucci, Wagner Oliveira dos Santos, Eugenio R. Bezerra de Mello, Aram A. Saharian

Symmetry 2022 584

Статья

Fermionic vacuum polarization around a cosmic string in compactified AdS spacetime

S. Bellucci, E. R. Bezerra de Mello, W. Oliveira dos Santos, A. A. Saharian

Journal of Cosmology and Astroparticle Physics 2022 010

Статья

Mean field squared and energy-momentum tensor for the hyperbolic vacuum in dS spacetime

A. A. Saharian, T. A. Petrosyan, V. S. Torosyan

Annals of Physics 2022 168728

Статья

Cosmological Evolution With Negative Energy Densities

A.A. SAHARIAN, R.M. AVAGYAN, E.R. BEZERRA DE MELLO, V.KH. KOTANJYAN, T.A. PETROSYAN,

H.G. BABUJYAN

Astrophysics 2022 427-440

Статья

Vacuum currents in partially compactified Rindler spacetime with an application to cylindrical black holes

V. Kh. Kotanjyan, A. A. Saharian, M. R. Setare

Nuclear Physics B 2022 115838

Статья

Cosmic string and brane induced effects on the fermionic vacuum in AdS spacetime

S. Bellucci, W. Oliveira dos Santos, E. R. Bezerra de Mello, A. A. Saharian

Journal of High Energy Physics 2022 021

Статья

Vacuum densities and the Casimir forces for branes orthogonal to the AdS boundary

S. Bellucci, A. A. Saharian, V. Kh. Kotanjyan

Physical Review D 2022 065021

Статья

Radiation of surface polaritons in cylindrical waveguides

A. A. Saharian, L. Sh. Grigoryan, H. F. Khachatryan, A. S. Kotanjyan

Статья

Finite temperature charge and current densities around a cosmic string in AdS spacetime with compact dimension

E. R. Bezerra de Mello, W. Oliveira dos Santos, A. A. Saharian

Physical Review D 2022 125009

Статья

Casimir Effect for Fermion Condensate in Conical Rings

Aram Saharian, Tigran Petrosyan, Arshak Hovhannisyán

UNIVERSE 2021 73 (1-20)

Статья

FLAP Collaboration: Tasks and Perspectives. Study of Fundamentals and New Applications of Controllable Generation of Electromagnetic Radiation by Relativistic Electrons Using Functional Materials

L. Aloyan, A. Avetisyan, Y. Dalyan, L. Grigoryan, N. Karapetyan, V. Kocharyan, A. Mkrtchyan, A. Movsisyan, A. Saharian, A. Shahbazyan, A. Baldin, 37

Physics of Particles and Nuclei Letters 2021 338-353

Статья

Vacuum fermionic currents in braneworld models on AdS bulk with a cosmic string

A. A. Saharian, S. Bellucci, W. Oliveira dos Santos, E. R. Bezerra de Mello

Journal of High Energy Physics 2021 190

Статья

Casimir densities induced by a sphere in the hyperbolic vacuum of de Sitter spacetime

A. A. Saharian, T. A. Petrosyan

Physical Review D 2021 065017

Статья

The Holographic cosmology with axion field

A. A. Saharian, A. V. Timoshkin

International Journal of Geometric Methods in Modern Physics 2021 2150174

Статья

Dynamics of a cosmological model with a conformally-coupled scalar field

R. M. Avagyan, G. H. Harutunyan, A. S. Kotanjyan, A. V. Hovsepian, A. A. Saharian

Astrophysics 2021 355-369

Статья

Fermionic condensate in de Sitter spacetime

A. A. Saharian, E. R. Bezerra de Mello, A. S. Kotanjyan, T. A. Petrosyan

Astrophysics 2021 529-543

Статья

Fermionic vacuum currents in topologically nontrivial braneworlds: Two-brane geometry

S. Bellucci, A. A. Saharian, H. G. Sargsyan, V. V. Vardanyan

Physical Review D 2020 045020(1-23)

Статья

The Casimir effect for fermionic currents in conical rings with applications to graphene ribbons

S. Bellucci, I. Brevik, A. A. Saharian, H. G. Sargsyan

European Physical Journal C 2020 281(1-22)

Статья

Electromagnetic Casimir densities for planar boundaries in AdS spacetime

A. A. Saharian, A. S. Kotanjyan, A. A. Saharyan, H. G. Sargsyan

International Journal of Modern Physics A 2020 2040029(1-5)

Статья

Synchrotron radiation from a charge circulating around a cylinder with negative permittivity

A.A. Saharian, A.S. Kotanjyan, L.Sh. Grigoryan, H.F. Khachatryan, V.Kh. Kotanjyan

International Journal of Modern Physics B 2020 2050065(1-18)

Статья

The Casimir densities for a sphere in the Milne universe

Aram A. Saharian, Tigran A. Petrosyan

Symmetry 2020 619(1-30)

Статья

Scalar Field Modes in de Sitter Spacetime with Negative Curvature Spatial Foliation

A.A. Saharian, T.A. Petrosyan, S.S. Chitchyan, A.Kh. Grigoryan

Armenian Journal of Physics 2020 316-329

Статья

Quantum vacuum effects in braneworlds on AdS bulk

Aram A. Saharian

UNIVERSE 2020 181

Статья

Electromagnetic field correlators and the Casimir effect for planar boundaries in AdS spacetime with application in braneworlds

A. A. Saharian, A. S. Kotanjyan, H. G. Sargsyan

Physical Review D 2020 105014

Статья

Cherenkov radiation and emission of surface polaritons from charges moving paraxially outside a dielectric cylindrical waveguide

A. A. Saharian, L. Sh. Grigoryan, A. Kh. Grigorian, H.F. Khachatryan, A.S. Kotanjyan

Physical Review A 2020 063517

Статья

Angular distribution of high power radiation from a charge rotating around a dielectric ball

T.A. Petrosyan, L.Sh. Grigoryan, A.A. Saharian, H.F. Khachatryan, M.L. Grigoryan, A.V. Sargsyan

Journal of Instrumentation 2020 C04035

Статья

Angular Distribution of Intensive Radiation from a Charge Rotating Around a Conductive Ball

L.Sh. Grigoryan, A.A. Saharian, A.H. Mkrtchyan, H.F. Khachatryan, M.L. Grigoryan, T.A. Petrosyan,
H.P. Harutyunyan
Armenian Journal of Physics 2020 105 -113

Статья

ИНДУЦИРОВАННАЯ ГРАНИЦЕЙ ПОЛЯРИЗАЦИЯ ВАКУУМА В ПРОСТРАНСТВЕ ДЕ СИТТЕРА С КОМПАКТНЫМИ ИЗМЕРЕНИЯМИ

A.C. КОТАНДЖЯН, А.А. СААРЯН, Д.А. СИМОНЯН

Известия НАН РА. Физика (Journal of Contemporary Physics (Armenian Academy of Sciences) 2019 3-15

Статья

СИНХРОТРОННОЕ ИЗЛУЧЕНИЕ ЗАРЯДА НА СОБСТВЕННЫХ МОДАХ ДИЭЛЕКТРИЧЕСКОГО ЦИЛИНДРА

A. С. Котанджян, А. А. Саарян, В. Х. Котанджян

Известия НАН РА. Физика (Journal of Contemporary Physics (Armenian Academy of Sciences) 2019 151-159

Статья

Generation of surface polaritons in dielectric cylindrical waveguides

A. S. Kotanjyan, A. R. Mkrtchyan, A. A. Saharian, V. Kh. Kotanjyan

Physical Review Special Topics-Accelerators and Beams 2019 040701(1-10)

Статья

Vacuum fluxes from a brane in de Sitter spacetime with compact dimensions

A.A. Saharian, D.H. Simonyan, T.A. Petrosyan

Armenian Journal of Physics 2019 51-61

Статья

Transition radiation on a superlattice in finite thickness plate generated by two acoustic waves

A. R. Mkrtchyan, V. V. Parazian, A. A. Saharian

Journal of Instrumentation 2018 C01032(1-7)

Статья

Radiation of surface waves from a charge rotating around a dielectric cylinder

A. S. Kotanjyan, A. R. Mkrtchyan, A. A. Saharian, V. Kh. Kotanjyan

Journal of Instrumentation 2018 C01016(1-6)

Статья

Scalar Casimir densities and forces for parallel plates in cosmic string spacetime

E. R. Bezerra de Mello, A. A. Saharian, S. V. Abajyan

Physical Review D 2018 085023(1-22)

Статья

Induced cosmological constant in brane models with a compact dimension

A. A. Saharian, H. G. Sargsyan

Astrophysics 2018 375-390

Статья

Electromagnetic vacuum densities induced by a cosmic string

A. A. Saharian, V. F. Manukyan, N. A. Saharyan

Particles 2018 175-193

Статья

Models of Compact Stars in the Bimetric Scalar-Tensor Theory of Gravitation

Levon Sh. Grigorian, Hrant F. Khachatryan, Aram A. Saharian

Particles 2018 203-211

Статья

Fermionic currents in topologically nontrivial braneworlds

S. Bellucci, A. A. Saharian, D. H. Simonyan, V. V. Vardanyan

Physical Review D 2018 085020(1-22)

Статья

Scalar Casimir effect in a linearly expanding universe

A. A. Saharian, T. A. Petrosyan, S. V. Abajyan, B. B. Nersisyan

International Journal of Geometric Methods in Modern Physics 2018 1850177(1-26)

Статья

Induced Cosmological Constant in Braneworlds with Compact Dimensions

A. A. Saharian, H. G. Sargsyan

Communications of the Byurakan Astrophysical Observatory 2018 315-326

Статья

Qualitative Analysis of Cosmological Models in $f(R)$ -Gravity

R. M. Avagyan, E. V. Chubaryan, G. H. Harutyunyan, A. A. Saharian

Communications of the Byurakan Astrophysical Observatory 2018 291-302

Статья

Superdense Stellar Configurations in the Bimetric Scalar-Tensor Theory of Gravity

L. Sh. Grigorian, H. F. Khachatryan, A. A. Saharian

Communications of the Byurakan Astrophysical Observatory 2018 327-337

Статья

The Casimir effect for parallel plates in Friedmann-Robertson-Walker universe

E.R. Bezerra de Mello, A.A. Saharian, M.R. Setare

Physical Review D 2017 065024

<http://journals.aps.org/prd/>

Статья

Fermionic condensate and the Casimir effect in cosmic string spacetime

A.Kh. Grigoryan, A.R. Mkrtchyan, A.A. Saharian

International Journal of Modern Physics D 2017 1750064

<http://www.worldscientific.com/worldscinet/ijmpd>

Статья

Electromagnetic Quantum Effects in Anti-De Sitter Spacetime

A. S. Kotanjyan, A. A. Saharian

Physics of Atomic Nuclei 2017 562-571

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

Статья

Synchrotron and Smith-Purcell radiations from a charge rotating around a cylindrical grating

A.A. Saharian, A.S. Kotanjyan, A.R. Mkrtchyan, B.V. Khachatryan

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS
2017 162-166

<https://www.journals.elsevier.com/nuclear-instruments-and-methods-in-physics-re...>

Статья

Radiation from a charge rotating inside a cylindrical grating

A.S. Kotanjyan, A.R. Mkrtchyan, A.A. Saharian

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS
2017 173-176

<https://www.journals.elsevier.com/nuclear-instruments-and-methods-in-physics-re...>

Статья

Electromagnetic vacuum fluctuations around a cosmic string in de Sitter spacetime

A. A. Saharian, V. F. Manukyan, N. A. Saharyan

European Physical Journal C 2017 478, 13

<http://link.springer.com/journal/10052>

Статья

Излучение заряда, вращающегося вокруг идеально проводящего цилиндра

Саарян, А. А., Котанджян, А. С., Варданын, Т. С.

Известия НАН РА. Физика (Journal of Contemporary Physics (Armenian Academy of Sciences) 2017
298-306

<http://www.flib.sci.am/eng/Fizika/Frame.html>

Статья

Fermionic currents in AdS spacetime with compact dimensions

S. Bellucci, A. A. Saharian, V. Vardanyan

Physical Review D 2017 065025(1-15)

Статья

Electromagnetic Casimir Effect in AdS Spacetime

Anna S. Kotanjyan, Aram A. Saharian, Astghik A. Saharyan

Galaxies 2017 102(1-11)

Статья

Casimir forces in models with non-trivial topology

T. Sh. Navasardyan, A. A. Saharian

Journal of Contemporary Physics (Armenian Academy of Sciences) 2017 348-354

Статья

Vacuum Densities for a Charged Scalar Field in de Sitter Space-Time with Compact Dimensions

E. V. Chubaryan, A. S. Kotanjyan, A. A. Saharian, D. H. Simonyan

Gravitation & Cosmology 2016 187-192

<http://pleiades.online/en/journal/gravcos>

Статья

Qualitative evolution in f(R) cosmologies

R.M. Avagyan, E.V.Chubaryan, G.H. Harutyunyan, A.A.Saharian

General Relativity and Gravitation 2016 1-21

<http://link.springer.com/journal/10714>

Статья

Casimir effect in hemisphere capped tubes

E. R. Bezerra de Mello, A. A. Saharian

International Journal of Theoretical Physics 2016 1167-1191

<http://link.springer.com/journal/10773>

Статья

Induced fermionic current by a magnetic flux in a cosmic string spacetime at finite temperature

E. R. Bezerra de Mello, A. A. Saharian, A. Mohammadi

International Journal of Modern Physics A 2016 1641021,10

<http://www.worldscientific.com/worldscinet/ijmpa>

Статья

Transition radiation on a dynamical periodical interface

A. R. Mkrtchyan, A. P. Potylitsyn, V. R. Kocharyan, A. A. Saharian

Physical Review E 2016 022117,9

<https://journals.aps.org/pre/>

Статья

Finite temperature fermion condensate, charge and current densities in a (2+1)-dimensional conical space

S. Bellucci, E. R. Bezerra de Mello, E. Braganca, A. A. Saharian

European Physical Journal C 2016 76-350

<http://link.springer.com/journal/10052>

Статья

Hadamard function and the vacuum currents in braneworlds with compact dimensions: Two-branes geometry

S. Bellucci, A. A. Saharian, V. Vardanyan

Physical Review D 2016 084011,20

<http://journals.aps.org/prd/>

Статья

Radiation from a longitudinal oscillator moving along a circular trajectory

A S Kotanjyan, A A Saharian

Journal of Physics: Conference Series 2016 012005/1-7

<http://iopscience.iop.org/journal/1742-6596>

Статья

The study of undulator radiation of transversal oscillator

A S Kotanjyan, A A Saharian

Journal of Physics: Conference Series 2016 012010/1-6

<http://iopscience.iop.org/journal/1742-6596>

Статья

Quantum effects in anti-de Sitter spacetime for the electromagnetic vacuum

A. S. Kotanjyan, A. A. Saharian, H. G. Sargsyan, D. H. Simonyan

Proceedings of Science 2016 021/1-13

<http://pos.sissa.it/POSwhat.html>

Статья

The study of undulator radiation of transversal oscillator

A S Kotanjyan, A A Saharian

Journal of Physics: Conference Series 2016 012009/7

<http://iopscience.iop.org/journal/1742-6596>

Статья

ELECTROMAGNETIC CASIMIR DENSITIES FOR A PLATE IN ANTI-DE SITTER SPACETIME

A. A. Saharian, A. S. Kotanjyan, A. A. Saharyan

Proceedings of the YSU A. Physical and Mathematical Sciences 2016 37-41

<http://www.y-su.am/science/en/journals>

Статья

Induced fermionic charge and current densities in two-dimensional rings

S. Bellucci, A.A. Saharian, A.Kh. Grigoryan

Physical Review D 2016 105007

<http://journals.aps.org/prd/>

Статья

Electromagnetic Casimir densities for a cylindrical shell on de Sitter space

A.A. Saharian, V.F. Manukyan, N.A. Saharyan

International Journal of Modern Physics A 2016 1650183-29

<http://www.worldscientific.com/worldscinet/ijmpa>

Статья

Electromagnetic Casimir effect for conducting plates in de Sitter spacetime

A. S. Kotanjyan, A. A. Saharian, H. A. Nersisyan

Physica Scripta 2015 065304/1-9

<http://iopscience.iop.org/journal/1402-4896>

Статья

Scalar Casimir densities induced by a cylindrical shell in de Sitter spacetime

A. A. Saharian, V. F. Manukyan

Classical and Quantum Gravity 2015 025009,23

<http://iopscience.iop.org/journal/0264-9381>

Статья

Induced fermionic currents in de Sitter spacetime in the presence of a compactified cosmic string

A. Mohammadi, E. R. Bezerra de Mello, A. A. Saharian

Classical and Quantum Gravity 2015 135002,25

<http://iopscience.iop.org/journal/0264-9381>

Статья

Induced vacuum currents in anti-de Sitter space with toral dimensions

E. R. Bezerra de Mello, A. A. Saharian, V. Vardanyan

Physics Letters B 2015 155-162

<http://www.journals.elsevier.com/physics-letters-b>

Статья

Vacuum currents induced by a magnetic flux around a cosmic string with finite core

E. R. Bezerra de Mello, V. B. Bezerra, A. A. Saharian, H. H. Harutyunyan

Physical Review D 2015 064034,19

<http://journals.aps.org/prd/>

Статья

Finite temperature fermionic charge and current densities induced by a cosmic string with magnetic flux

A. Mohammadi, E. R. Bezerra de Mello, A. A. Saharian

Journal of Physics A-Mathematical and Theoretical 2015 185401

<http://iopscience.iop.org/journal/1751-8121>

Статья

Vacuum densities for a brane intersecting the AdS boundary

E. R. Bezerra de Mello, A. A. Saharian, M. R. Setare

Physical Review D 2015 104005,11

<http://journals.aps.org/prd/>

Статья

Casimir effect for scalar current densities in topologically nontrivial spaces

S. Bellucci, A. A. Saharian, N. A. Saharyan

European Physical Journal C 2015 378,17

<http://link.springer.com/journal/10052>

Статья

Vacuum currents in braneworlds on AdS bulk with compact dimensions

S. Bellucci, A. A. Saharian, V. Vardanyan

Journal of High Energy Physics 2015 092,36

<http://www.springer.com/physics/particle+and+nuclear+physics/journal/13130>

Статья

Wightman function and the Casimir effect for a Robin sphere in a constant curvature space

S. Bellucci, A. A. Saharian, N. A. Saharyan

European Physical Journal C 2014 3047,19

<http://link.springer.com/journal/10052>

Конференция

Quantum effects in anti-de Sitter spacetime for electromagnetic vacuum state

KOTANJYAN Anna, Prof. SAHARIAN Aram, Mr. SARGSYAN Hayk, Mr. SIMONYAN David

Конференция

Electromagnetic Casimir densities for a cylindrical boundary in de Sitter spacetime

V. F. Manukyan, A. A. Saharian

Конференция

Electromagnetic quantum effects in anti-de Sitter spacetime

A.S. Kotanjyan, A.A. Saharian

Конференция

The Synchrotron Radiation of the Transversal Oscillator

A. Kotanjyan, A. Saharian

Конференция

On a possible interference of synchrotron and Smith-Purcell radiation

A.R. Mkrtvhyan, B.V. Khachatryan, A.A. Saharian, A. S. Kotanjyan

Конференция

The study of undulator radiation of transversal oscillator

Anna Kotanjyan, Aram Saharian

Конференция

Synchrotron radiation from a relativistic charged particle rotating around a cylindrical diffraction grating

Anna Kotanjyan, A. Saharian, B. Khachatryan

Конференция

On the Features of Radiation from a Charge Rotating Around Dielectric and Conductive Ball

L.Sh. Grigoryan, A.A. Saharian, H.F. Khachatryan, M.L. Grigoryan, A.V. Sargsyan, T.A. Petrosyan
