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🌐 Знание языков

Հայերեն Русский English

📖 Publications

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
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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

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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

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

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

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

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

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Topological Effects in a Fermionic Condensate Induced by a Cosmic String and

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

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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

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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

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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

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

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

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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

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

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

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

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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

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Casimir Effect for Fermion Condensate in Conical Rings

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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

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

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A. A. Saharian, A. V. Timoshkin

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

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Fermionic condensate in de Sitter spacetime

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

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

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

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

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

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Aram A. Saharian, Tigran A. Petrosyan

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

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

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

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

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H.P. Harutyunyan

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А.С. КОТАНДЖЯН, А.А. СААРЯН, Д.А. СИМОНЯН

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

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Electromagnetic vacuum densities induced by a cosmic string

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

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

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

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

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

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

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