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Language skills

English Русский

Publications

Article
Fermionic Casimir densities for a uniformly accelerating mirror in the Fulling-Rindler vacuum
A. A. Saharian, L. Sh. Grigoryan, V. Kh. Kotanjyan

Physical Review D 2026 085014

https://doi.org/10.1103/r3hf-lcl8

Article
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

Article
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

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Article
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

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Article

Electromagnetic vacuum stresses and energy fluxes induced by a cosmic string in de Sitter spacetime
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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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Polarization of the Fulling-Rindler Vacuum in Models with Compact Dimensions
V. Kh. Kotanjyan
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Article

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

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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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Article

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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