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English Русский

Publications

Article
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

Article
Helical vacuum currents for a scalar field in models with nontrivial spatial topology
A .A. Saharian, D. H. Simonyan, H. H. Mikayelyan, A. A. Vantsyan

Journal of Contemporary Physics (Armenian Academy of Sciences) 2023 341-348

Article
ИНДУЦИРОВАННАЯ ГРАНИЦЕЙ ПОЛЯРИЗАЦИЯ ВАКУУМА В ПРОСТРАНСТВЕ ДЕ СИТТЕРА С КОМПАКТНЫМИ ИЗМЕРЕНИЯМИ
А.С. КОТАНДЖЯН, А.А. СААРЯН, Д.А. СИМОНЯН

Proceedings of NAS RA Physics 2019 3-15

Article
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

Article
Fermionic currents in topologically nontrivial braneworlds
S. Bellucci, A. A. Saharian, D. H. Simonyan, V. V. Vardanyan

Physical Review D 2018 085020(1-22)

Article

Vacuum fluctuations for a charged scalar field in de Sitter spacetime with compact dimensions

D. H. Simonyan

Armenian Journal of Physics 2018 145-152

Article

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

Article

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

Conference

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

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

2015 8-8

https://indico.cern.ch/event/360350/