

Список публикаций Захарова М.А. за 2021-2024

M.A. Zakharov, *Tenth-Order Accurate Numerical method for solving the time-dependent Schrödinger equation*, **Computational Mathematica and Mathematical Physics**, 64, 248 (2024)

A.I. Frank, G.V. Kulin, M.A. Zakharov, *On a New Possibility of Pulsed Accumulation of Ultra Cold Neutrons in a Trap*, **Physics of Particles and Nuclei Letters**, 20, 664 (2023).

A.I. Frank, G.V. Kulin, N.V. Rebrova, M.A. Zakharov, *On the possibility of creating a UCN source at a periodic pulsed reactor*, **Physica of Particles and Nuclei**, 53, 33 (2022).

M.A. Zakharov, G.V. Kulin, A.I. Frank, *Interaction of a wave packet with potential structures moving with acceleration*, **European Physics Journal D**, 75, 47 (2021).

M.A. Zakharov, A.I. Frank, G.V. Kulin, *Reflection of neutrons from a resonant potential structure, oscillating in space*, **Physics Letters A**, 420, 127748 (2021).

Участие в конференциях за 2021-2024

- Conference “Mathematical modeling and computational physics”, Erevan, 2024
- Workshop “Sino-Russia meeting on frontiers of neutron scattering”, Ekaterinburg, 2024
- International seminar on interaction of neutrons with nuclei - 30, Sharm ell Sheikh, 2024
- International Symposium “Nanophysics and Nanoelectronics” 2024, Nizhny Novgorod
- Conference “Neutron scattering in condensed matter research - 2023”, Ekaterinburg
- International Scientific Conference of Young Scientists and Specialists -2023, Dubna
- International seminar on interaction of neutrons with nuclei - 29, Dubna, 2023
- Conference “Neutron scattering in condensed matter research - 2021”, Ekaterinburg
- International seminar on interaction of neutrons with nuclei - 28, Dubna, 2021
- European conference on neutron scattering – 2019, Saint Petersburg
- International seminar on interaction of neutrons with nuclei - 27, Dubna, 2021

Гранты и стипендии за 2021-2024

Грант ОМУС ОИЯИ 2023

Грант РФФ №20-11-20257 (участник)

Стипендия им. И.М. Франка 2022

Грант ОМУС ОИЯИ (2021)

Награды и премии за 2021-2024

Премия ОМУС ОИЯИ, 1 место: "Научно-исследовательские теоретические работы"

М.А. Захаров

«Метод численного решения нестационарного уравнения Шрёдингера, основанный на применении формулы Ли-Троттера-Сузуки»