Georgii Sizykh

In Strings we trust

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Date of birth	17.04.1996

EDUCATION

Postgraduate study 2020-now
Peter the Great St. Petersburg Polytechnic University (SPbSTU),
Saint Petersburg, Russia
Department of Theoretical Physics

Master's degree 2018-2020
Saint Petersburg Academic University of the Russian Academy of Sciences (SPbAU RAS),
Saint Petersburg, Russia
Department of Theoretical Physics
Diploma with honors
GPA 5/5

Bachelor degree 2014-2018
Peter the Great St. Petersburg Polytechnic University (SPbSTU),
Saint Petersburg, Russia
Department of Physical Electronics
Diploma with honors
GPA 5/5

SCIENTIFIC ACTIVITY

Magnetic Research Laboratory 2016-2019
Peter the Great St. Petersburg Polytechnic University (SPbSTU)
Study of magnetic properties of 2D nanostructures, de Haas - van Alphen oscillations in 2D electron gas at finite temperatures

Fundamental Problems of Superstrong Fields Laboratory 2019-now
Peter the Great St. Petersburg Polytechnic University (SPbSTU)
Study of resonant external field QED processes, resonant nonlinear trident pair production

SKILLS

- Latex, Mathematica, Origin, MatLab
- English (Advanced)

PUBLICATIONS (INDEXED IN SCOPUS AND WOS)

- V.V. Romanov, N.T. Bagraev, V.A. Kozhevnikov, G.K. Sizykh and C.T. Tracey. De Haas - van Alphen effect in a silicon nanosandwich: determination of the effective carrier mass, Journal of Physics: Conference Series, 2019, 1236, 012013, doi:10.1088/1742-6596/1236/1/012013
- V.V. Romanov, N.T. Bagraev, V.A. Kozhevnikov, G.K. Sizykh. 2D electron gas density of states at the Fermi level in silicon nanosandwich, Journal of Physics: Conference Series, 2019, 1236, 012014, doi:10.1088/1742-6596/1236/1/012014
- Georgii K. Sizykh, Sergei P. Roshchupkin and Victor V. Dubov. Resonant Ultrarelativistic Electron–Positron Pair Production by High - Energy Electrons in the Field of an X - ray Pulsar, Universe, 2020, 6, 132, doi:10.3390/universe6090132
- [Under review] Georgii K. Sizykh, Sergei P. Roshchupkin and Victor V. Dubov. Resonant Effect of High-Energy Electron–Positron Pairs Production in Collision of Ultrarelativistic Electrons with an X-ray Electromagnetic Wave, Universe, 2021