

Curriculum vitae
Artem Ryzhov

E-mail: ryzhov@ilt.kharkov.ua, artem.ryzhov.14@gmail.com
 Business Address: B. Verkin Institute for Low Temperature Physics and Engineering (ILTPE)
 of the National Academy of Sciences of Ukraine,
 47 Nauki Ave., Kharkiv 61103, Ukraine.

Education:

Graduate:

11.2020 – present: ILTPE, Kharkiv, Ukraine.

Department of superconducting and mesoscopic structures.

Ph.D. student.

Research topic: «Landau-Zener-Stuckelberg-Majorana Interferometry of Driven Quantum Systems»
 (supervisor: Prof. S. N. Shevchenko, ILTPE, Kharkiv, Ukraine).

- 11.2022 – 05.2023: International Program Associate scholarship. Joint graduate research
 program, Theoretical Quantum Physics Laboratory, Cluster for Pioneering Research, RIKEN,
 Wakoshi, Japan.

09.2016 – 07.2018: V. N. Karazin Kharkiv National University, Kharkiv, Ukraine.

Faculty: Physics and Technology. Akhiezer Department of Theoretical Nuclear Physics and Higher
 Mathematics.

Degree: master's diploma with honours in Applied Physics and nanomaterials. GPA – 5 (out of 5).

Educational program: Experimental nuclear and plasma physics.

Thesis: «Resonant excitation and dynamics of the quantum four-level system» (supervisor: Prof. S. N.
 Shevchenko, ILTPE, Kharkiv, Ukraine).

Undergraduate:

09.2012 – 07.2016: V. N. Karazin Kharkiv National University, Kharkiv, Ukraine.

Faculty: Physics and Technology. Akhiezer Department of Theoretical Nuclear Physics and Higher
 Mathematics.

Degree: bachelor's diploma with honours in Applied Physics. GPA – 5 (out of 5).

Thesis: «Stability of modulated structures of the order parameter» (supervisor: Prof. V. F. Klepikov,
 Institute of Electrophysics and Radiation Technologies, Kharkiv, Ukraine).

- Second-rank diploma at the first stage of the All-Ukrainian Student Olympiad in physics, 2013.
- Scholarship to the names of A. I. Akhiezer, 2013.

Journal publications:

- M. P. Liul, A. I. Ryzhov, S. N. Shevchenko, Interferometry of multi-level systems: rate-equation
 approach for a charge qudit, Eur. Phys. J. Spec. Top. (2023).

- S. N. Shevchenko, A. I. Ryzhov and Franco Nori, Low-frequency spectroscopy for quantum
 multi-level systems, Phys. Rev. B **98**, 195434 (2018).

Other experience and activities:

- Participation in 10 national and international schools and conferences.
- Programming experience in Python, Pascal/Delphi, C, Java, C#, R, SAS, SQL.

Languages:

English (B2, TOEFL test certificate), Ukrainian (native speaker), Russian (native speaker).