

Entry exam in Physics

Exam consists in:

- a) solving 4 problems in physics during 6 hours
- b) sending the detailed solutions (in the form of single PDF file) to the relevant professor by email
- c) discussion of the Candidate's solutions with relevant professor during zoom session (the same day)

Each Candidate takes the on-line exam individually, during the date/time fixed by preliminary e-mail agreement. Contact Coordinator, Prof. Mikhail Feigelman mvfeigel@gmail.com, indicating your future specialization (theory or experiment). Coordinator will inform you about the relevant professor and possible exam days.

Exam for theoreticians:

problems will belong to Quantum Mechanics and Statistical Physics

Basic textbooks: L.D.Landau & E.M.Lifshits "Theoretical Physics", volumes 3 and 5.

[example of set of problems](#)

Exam for experimentalists:

Problems will belong to General Physics, Solid State Physics and Crystallography.

Basic textbooks: C. Kittel, Introduction to Solid State Physics; V.V. Schmidt, The Physics of Superconductors; M. Tinkham, Introduction to Superconductivity.

[example of set of problems](#)