



NATIONAL RESEARCH
UNIVERSITY

NEW FACULTY of PHYSICS

Higher School of Economics

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Dean of the Faculty



Features of the Faculty of Physics: Education

I. Education is closely connected to research work

Bachelor's and Master's degrees are offered through two platforms:

- 1) students receive a comprehensive education (for example, lectures, seminars, laboratory work) in the academic buildings of the Higher School of Economics;
- 2) they receive special education (starting from the third year of study) and get the opportunity to carry out research projects in the basic departments of the Higher School of Economics, created as part of the Physical Institutes of the Russian Academy of Sciences.

II. Bachelor's and master's degrees are taught by active researchers

This approach to the organization of the educational process allows you to:

- 1) provide students with access to the most modern equipment,
- 2) allow them to immerse themselves in an environment characterized by a "critical mass" of physicists who can pose, discuss, and solve new experimental problems.



Features of the Faculty of Physics: Research

I. The Faculty is included in the context of the global academic community

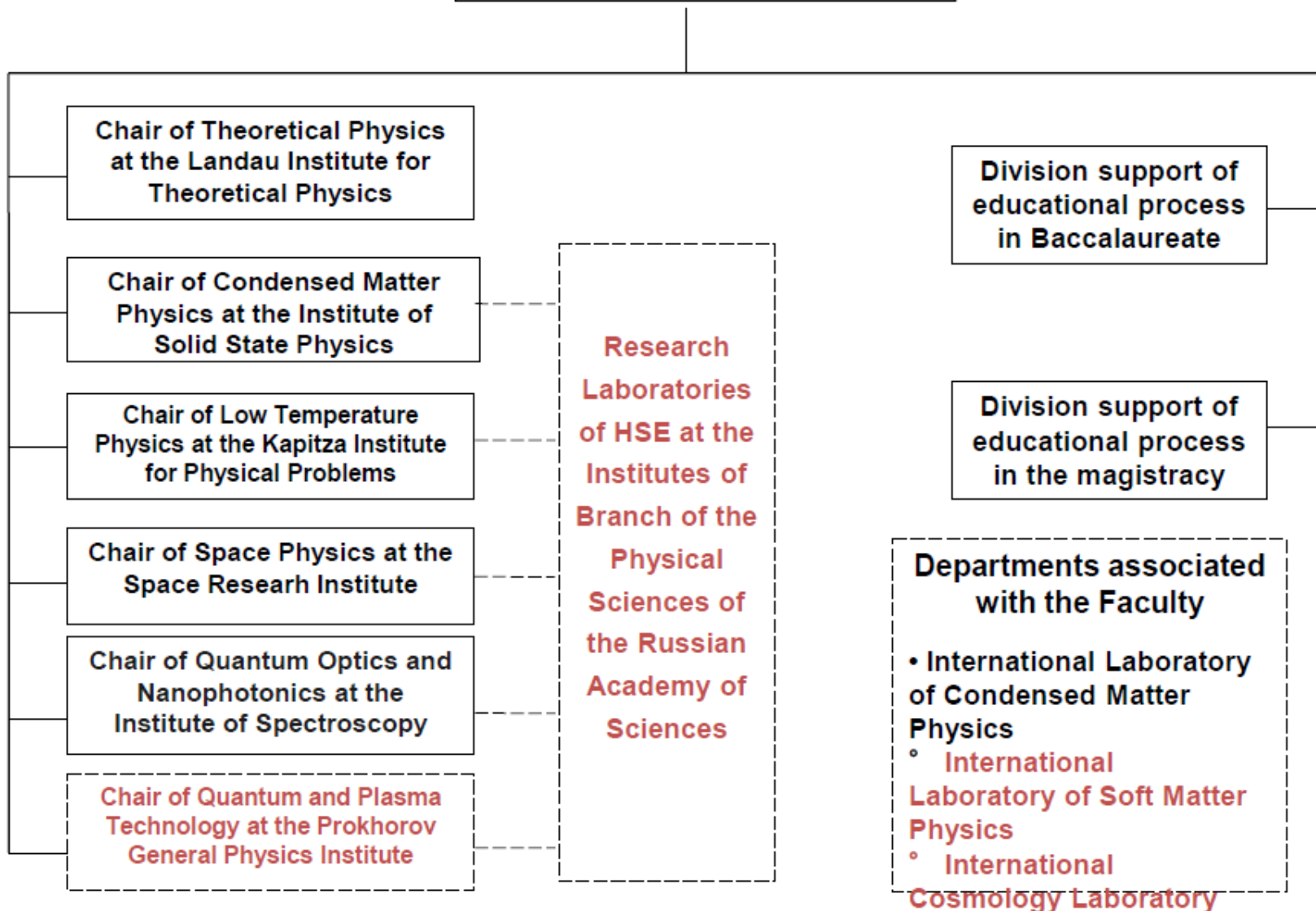
Having agreements with leading international universities and research centers allows undergraduates to complete internships through these institutions, which is extremely important for their development as researchers. A system of mini-courses is also organized, where visiting scientists from all over the world teach.

II. Physics is, first of all, an experimental science

It is very important to develop the HSE experimental laboratories in the basic organizations of the faculty, namely in the leading physical institutes of the Russian Academy of Sciences. The tasks of these laboratories include actual research using modern equipment of the institutes, as well as direct participation of students in these studies.

Structure of the Faculty of Physics

Faculty of Physics





Prospective contribution of the Faculty of Physics into the development of HSE

- Increasing the level of publication activity due to attracting a significant amount of highly qualified physicists regularly publish their articles in the world's top scientific journals
- Providing professional "link" with the existing Faculties of the natural sciences
- Additional competences in the field of the natural sciences for the students of all specialties of HSE (Minor)
- Involving undergraduate students in the scientific and educational process at basic chairs allows each of them create the "individual trajectory"
- Creation of the world-class center of expertise in the field of modern physics
- Using the potential (research staff and modern equipment) of the Institutes of RAS will avoid significant financial investments required for creating experimental laboratories directly at HSE



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Thank you for your attention!

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