



NATIONAL RESEARCH
UNIVERSITY

NEW FACULTY of PHYSICS

Higher School of Economics

M.R. Trunin
Dean of the Faculty

Features of the Faculty of Physics: Education

I. Education is closely connected to research work

Undergraduate and Master's studies will be provided through two platforms:

- 1) students will be able to obtain a comprehensive education (e.g., lectures, seminars, and laboratory work) in educational buildings of HSE,
- 2) they will receive a special education (starting from the third year of their study) and have the opportunity to carry out research projects at HSE's base chairs created as part of RAS Physics Institutes.

II. Undergraduate and Master's courses will be taught by active researchers

Such an approach to the organization of educational process will allow

- 1) to give access for students to the most modern equipment,
- 2) to allow them to immerse themselves in an environment characterized by a "critical mass" of physicists capable to put, discuss and solve new experimental problems.

Features of the Faculty of Physics: Research

I. Faculty will be included in the context of global academic community

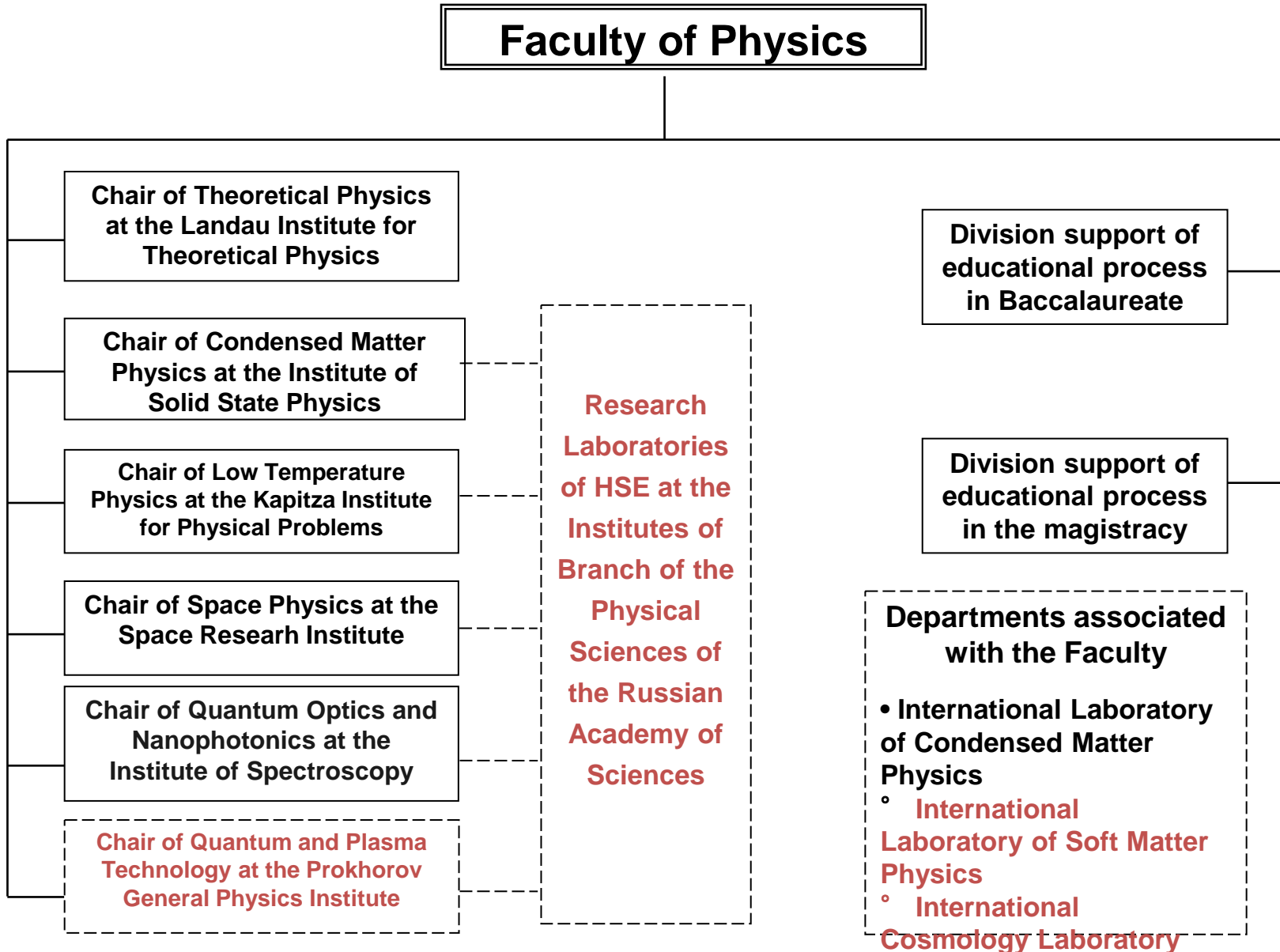
We are going to sign several agreements with leading international Universities and Research Centres. This will make it possible for Master's students take part in internships through these Institutions, which is crucial for their development as researchers.

We also plan to launch a system of mini-courses, which will be taught by visiting scholars from all over the world.

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

It is very important to develop experimental laboratories of HSE in the basic organizations of the Faculty, namely, leading RAS Physics Institutes. The tasks of these laboratories are topical research using modern equipment of the Institutes, as well as the direct participation of students in these investigations.

Structure of the 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



NATIONAL RESEARCH
UNIVERSITY

Thank you for your attention!

20, Myasnitskaya str., Moscow, Russia, 101000

Tel.: +7 (495) 628-8829, Fax: +7 (495) 628-7931

www.hse.ru