

### **03.06.01 Physics and Astronomy**

#### **Electrophysics. Electrophysical Installations**

*Graduation department:* Electrophysical Facilities Department (№14).

Founded in 1948, it is the world's oldest center for training experts in the field of physics and technologies of charged particles accelerators.

#### **Program objectives**

targeted training for the organizations of the "Breakthrough" ("Proryv") project in the framework of the federal targeted program "Nuclear power technologies of a new generation for the period 2010 - 2015 and up to 2020" and the "Rosatom Innovation Development Program".

#### **Research areas**

- electrophysics, electrophysical facilities, including research, design and exploitation of electrophysical facilities, their applications in science, engineering, industry, medicine
- research of the beam interaction with different physical object and with other beams
- electromagnetic striction
- new beam-plasma and radio-frequency research and engineering
- charged particles accelerators
- microwave technologies