14.03.02 Nuclear Physics and Engineering

"Physics of Fundamental Interactions"

The program trains specialists in the field of elementary particle physics, one of the key areas of modern fundamental science. The emphasis of education is on the study of the Standard Model of particle physics, its extensions and search for new physics, including the analysis of experimental data and theoretical research.

The main goal of the program "Physics of Fundamental Interactions" is to train highly qualified specialists to work in the leading scientific laboratories and universities in the field of experimental physics of elementary particles and atomic nucleus. The training program involves a combination of a broad educational program and in-depth study of specialized courses. Specialized courses are taught by leading scientists, who are actively working in the most important experiments in particle physics and developing topical areas of theory.

Students have the opportunity to practice in the world's leading laboratories, participate in the work of international scientific teams, such as the experiments of the Large Hadron Collider at CERN (Switzerland), B-factory at KEK (Japan) and DESY (Germany).