

03.06.01 Physics and Astronomy

Laser Physics

Graduation department: Laser Physics Department (№ 37).

The Department is found in 1977 on the initiative of one of the laser physics founders, MEPhI alumnus, academician N. Basov.

Program objective

incite PhD students for independent research at high professional level in laser physics, research and development of lasers, laser applications for technical,

Curriculum features

- specialized programs for PhD students, individual study plans, academic mobility;
- participation in research and teaching together with leading specialists in the field, practical training of PhD students in research groups of various organizations.

Areas of research and experts training

- Laser technologies and equipment based on high-power fiber lasers;
- Study of interaction between high-power laser radiation and matter;
- Precision diagnostic and measuring laser systems;
- Optical image processing, radio photonics and holography;
- Optical methods of environmental monitoring.

Practical training and future employment

Russian research centers, NTO "IRE-Polus", Institutes of the Russian Academy of Sciences.