ACADEMY of SCIENCES of the USSR
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ABSTRACT

The offerred edition represents the next issue of the collection «LNPI RESEARCH REPORT» (1988—1989). It contains the main results of experimental and theoretical research activity in elementary particle physics, nuclear and atomic physics, physics of condensed matter, and molecular and radiation biophysics. Participants of the contributions are scientists of the LNPI and other scientific institutions of the USSR and foreign nuclear centres.

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The scientific activity of the LNPI covers the following research areas:

— elementary particle physics,
— nuclear and atomic physics,
— physics of condensed matter,
— molecular and radiation biophysics.

All the internal activity at the institute is grouped into divisions and laboratories according to scientific interest. The following is a current list of divisions and laboratories:

— high energy physics division,
— neutron research division,
— theoretical physics division,
— molecular and radiation biophysics division,
— condensed state research division,
— reactor physics and technology division,
— radiation detector division,
— electronics division,
— reactor experiment automatization division,
— central computer division,
— mini- and microcomputer division,
— accelerator physics and technology laboratory,
— radiation physics laboratory,
— cryogenics and superconduction laboratory,
— informational computing systems laboratory,
— laboratory of holographic information and measuring systems.

The main research facilities of the LNPI are 1 GeV proton synchrocyclotron, 18 MW WWR-M reactor, 100 MW high flux reactor PIK (under construction).