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ABSTRACT

The present edition is a continuation of the collection "LNPI Research Report". It contains the main results of experimental and theoretical research in elementary particle physics, nuclear physics, physics of condensed matter, molecular and radiation biophysics, reactor physics and technology, and results of methodical and applied works in the years 1990—1991. Most of the experiments have been performed on the proton synchrocyclotron and the nuclear reactor of the LNPI. Physicists of some scientific institutions of the USSR and other countries participated in a number of the experiments. Also, scientists of the LNPI took part in collaborations in foreign nuclear centres.

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