
PUBLISHING DEPARTMENT

In 2011, the Publishing Department issued 135 titles of publications and 44 titles of official documents.

A total of 37 collections of report theses, proceedings of various conferences, schools and workshops organized by JINR, monographs, booklets and other editions were published. Among them were: the Proceedings of XVIII International Seminar on Interaction of Neutrons with Nuclei (ISINN-18) (Dubna, 26–29 May 2010), the Proceedings of the School-Seminar on Topical Problems in Physics of the Microworld (Gomel, 15–26 July 2009), the Proceedings of the 4th international conference «Distribution Calculations and Grid Technology in Science and Education» (Dubna, 28 June–3 July 2010), two volumes of the Proceedings of the joint workshop of the RDMS–CMS collaboration «Physics at the LHC», etc. The JINR Annual report for the year 2010 was published in Russian and English.

The book «The 55th Anniversary of the Joint Institute for Nuclear Research» covers the main scientific achievements of the Institute in the recent years in the development of international cooperation of scientists, implementation of innovative and educational programmes of JINR. Topical plans of the international intergovernmental scientific centre in Dubna for the nearest future are widely represented.

The monograph by Yu. Akimov «Gaseous Detectors of Nuclear Radiation» considers the physics basis of the operation of ionizing gaseous detectors and their characteristics; the information on different types of gaseous detectors is systematized; description is given of the current status of their design and application in experimental physics and technology.

The book «Matveev Viktor Anatolievich», published to the 70th anniversary of the birth of the famous scientist, gives an overview of the scientific, educational and organizational activities of the Academician-Secretary of the Physical Sciences Department of RAS, member of the RAS Presidium, Director of the Institute for Nuclear Research of RAS, Director of the Joint Institute for Nuclear Research Viktor Anatolievich Matveev.

In 2011, six issues of the journal «Physics of Elementary Particles and Atomic Nuclei», which include 39 papers, were published. Seven issues of the journal «Particles and Nuclei, Letters» with 113 papers were published. Three out of the seven issues of the journal contain proceedings of conferences and meetings: issue 3 — the Proceedings of the international workshop «Supersymmetries and Quantum Symmetries» (Dubna, 29 July–3 August 2009), issue 5 — the Proceedings of the international

conference «Mathematical Simulation and Computational Physics» (Dubna, 7–11 July 2009), issue 7 — the Proceedings of the Baikal Summer School on Elementary Particle Physics and Astrophysics 2010 (Bolshie Koty, 6–14 July 2010).

The bulletin «JINR News» was issued in Russian and English. In 2011, 50 issues of the JINR weekly newspaper «Dubna: Science, Cooperation, Progress» were published.

Six editions in the series of the JINR UC study guides were issued. These are the manual by G. Shirkov «Basics of Physics of Particle Collisions and Sources of Multi-charged Ions» in three parts, the manuals by A. Isaev «Theory of Groups and Symmetries. Root Systems of Simple Finite-Dimensional Lie Algebras, Exceptional Lie Algebras and Division Algebras», by V. Zlokazov «Automate Theories» and by A. Nesterenko «Theoretical Description of the Adler Function and Electron–Positron Annihilation into Hadrons».

In the framework of exchange of scientific publications, JINR publications, including JINR preprints and communications, the information bulletin «JINR News», JINR Annual Reports, the journals «Particles and Nuclei» and «Particles and Nuclei, Letters», were forwarded to organizations that cooperate with JINR (from above 40 countries of the world).

The Publishing Department forwarded about 175 papers and reports on the results of research conducted by JINR scientists to the editorial boards of journals, to various conferences, symposia, meetings and schools held both in JINR Member States and in other countries. Papers by JINR staff members were published in the journals «Pri-bory i Tekhnika Eksperimenta», «Nuclear Physics», «Solid Matter Physics», «Crystallography», «Applied Physics», «Poverkhnost'. Rentgenovskie, Synkhrotronnye i Neitronnye Issledovaniya», «Journal of Physics», «Nuclear Instruments and Methods», «Journal of Modern Physics», and other periodicals.

To keep readers of the Science and Technology Library timely informed about new publications received, express bulletins of STL and the Licensing and Intellectual Property Department are issued by the Publishing Department. «The Bibliographic Index of Papers Published by JINR Staff Members for 2010» was issued.

The Publishing Department fulfilled numerous orders of the laboratories to produce posters, Xerox copies and book binding. Over 102 thousand various forms were printed for experimental information processing and other purposes.