

I. Theoretical Physics Research

First Prize

“Theory of Resonances in Multichannel Systems”.

Authors: E. Kolganova, A. Motovilov.

Second Prize

“Theory and Fenomenology of Neutrino Mixing and Oscillations”.

Author: S. Bilenky.

II. Experimental Physics Research

First Prizes

1. “Search for Charge Asymmetry in 3-pion Decays of K^\pm ”.

Authors: S. Balev, E. Goudzovski, V. Kekelidze, V. Kozhuharov, D. Madigozhi, N. Molokanova, Yu. Potrebenikov, P.L. Frabetti, P. Hristov, C. Cheshkov.

2. “Synthesis of Element 118 in the $^{249}\text{Cf} + ^{48}\text{Ca}$ Reaction”.

Authors: Yu. Oganessian, V. Utyonkov, Yu. Lobanov, F. Abdullin, A. Polyakov, I. Shirokovsky, Yu. Tsyganov, A. Voinov, A. Mezentsev, M. Itkis.

Second Prizes

1. “Study of Mu-atomic and Mu-molecular Processes at the Meson Facilities TRIUMF (Canada) and PSI (Switzerland)”.

Authors: V. Bystritsky, V. Stolupin, V. Gerassimov, V. Volnykh, V. Sandukovsky, V. Pavlov, V. Boreiko, J. Woźniak, M. Filipowicz, F. Mulhauser.

2. “Experimental Investigation of Reactions at beams of ^6He with Light and Heavy Nuclei (First Experiments at DRIBs)”.

Authors: R. Astabatyanyan, G. Gulbekian, R. Kalpakchieva, A. Kulko, S. Lukyanov, V. Maslov, Yu. Penionzhkevich, N. Skobelev, Yu. Sobolev.

III. Physics Instruments and Methods

First Prize

“Photon Methods of Radiation Detection”.

Author: Yu. Akimov.

Second Prizes

1. “Laser-based Calibration System of Electromagnetic Calorimeters for the Experiments on Relativistic Nuclear Physics at the JINR Nuclotron”.

Authors: Yu. Anisimov, A. Livanov, V. Krasnov, S. Kuznetsov, A. Malakhov, J. Kliman, Š. Gmuca, V. Matoušek, M. Morhač, I. Turzo.

2. “Neutron Diffraction Study of the Physical Properties of Rock Samples of the Upper Part of Lithosphere”.

Authors: A. Frischbutter, Ch. Janssen, Ch. Scheffzuek, K. Walther, K. Ullemeyer, D. Nikolaev, A. Nikitin, T. Ivankina.

IV. Applied Physics Research

First Prize

“Accelerator Complex IC100 for Applied Research”.

Authors: B. Gikal, G. Gulbekian, S. Dmitriev, P. Apel, I. Kolesov, O. Ivanov, V. Mironov, R. Oganessian, S. Paschenko, V. Skuratov.

Second Prizes

1. “Methodology and Experimental Investigations of the Stability of Polymers for Particle Accelerators and Detectors”.

Authors: A. Astapov, A. Vodopianov, L. Zaitsev, S. Zaitsev, I. Karpunina, A. Kovalenko, V. Krasnov, A. Maksimov, E. Cherevatenko, V. Chumakov.

2. “Observation and Investigation of Weak Heating of Ultracold Neutrons”.

Authors: E. Lychagin, A. Muzychka, G. Nekhaev, A. Strelkov.

Encouraging Prize

“A Study of Strange Hadron Production and Fragmentation in Neutrino Interactions in the NOMAD Experiment”.

Authors: A. Chukanov, D. Naumov, B. Popov.