

6. PRIZES

Frank Prize:

Yu. Ya. Stavitsky, J. Carpenter. For development and construction of neutron sources

FLNP Prizes:

In Nuclear Physics:

First Prize:

V.P. Alfimenkov, A.N. Chernikov, L. Lason, Yu.D. Mareev, V.V. Novitsky, L.B. Pikelner, V.R. Skoy, M.I. Tsulaya. «Parity violation and interference effects in the resonance neutron induced fission of ^{235}U »

Second Prizes:

A.V. Strelkov, D.G. Kartashov, E.V. Lychagin, A. Yu. Muzychka, V.N. Shvetsov. «Observation of the new mechanism of UCN loss in traps»
V.A. Khitrov, A.M. Sukhovej. «Cascade gamma-decay of ^{177}Lu »

In Condensed Matter Physics:

First Prize:

V.V. Sumin, G. Chimid. 1. «Neutron spectroscopic proof of strong Cr-Ni-interaction in nitrogen containing steels». 2. «Modeling of defects complexes in solid solutions of transition metal implants»

Second Prize:

A.M. Balagurov, D.P. Kozlenko, B.N. Savenko. 1. «Neutron diffraction investigations of structural changes in Nd_4Br and ND_4Cl ammonium halides at high pressure». 2. «Neutron diffraction study of structural changes in ammonium halides under high pressure». 3. «Neutron diffraction investigations of structural changes in Nd_4I and ND_4F ammonium halides at high pressure»

Third Prize:

A.M. Balagurov, A.I. Beskrovnyi, Yu.V. Obukhov, V. Yu. Pomyakushin, V.G. Simkin. 1. «Transformation twinning of La_2CuO_4 crystals». 2. «Microscopic phase separation in $\text{La}_2\text{CuO}_{4+x}$ induced by the superconducting transition»

In Applied Physics:

Second Prize:

E.I. Litvinenko. «PW-WAVE-based software for visual express analysis of neutron scattering data».

Third Prize:

I.B. Bondarenko, A.I. Frank. «UCN gravitation spectrometer with an interference filter for fundamental investigations in neutron optics»

The JINR young scientists contest in condensed matter and nuclear physics with neutrons:

Scientific Research:

First Prize:

*A.D. Tugan-Baranovskaya. «Small-angle neutron scattering investigations of purple membranes from *Halobium Halobacterium*»*

Second Prize:

S.V. Kozhevnikov. «Observation of spatial splitting of the polarized neutron beam at reflection from the interface of two magnetic noncollinear media»

Encouraging Prizes:

Fan Liksin. «Structural model of the subparticle 30S of the ribosome Thermus Thermophilis with a spatial resolution of 3.5 nm»

V. Yu. Kazimirov. «Investigations of lattice atomic structure and dynamics in the ferroelectric DMAAS by the methods of neutron structural analysis and neutron spectroscopy. A microscopic approach to the ferroelectric phase transition in DMAAS crystals»

Scientific Methodological:

First Prize:

M. V. Avdeev. «Development of the position-sensitive technique at the spectrometers DN-2 and YUMO of the reactor IBR-2»

Second Prize:

K. Oprea. «Biomonitoring of atmospheric heavy metal deposits in Romania by nuclear physics analytical methods and GIS techniques»

Encouraging Prizes:

D. E. Burilichev. «Neutron diffraction investigations of damage of the tracks of heavy nuclei in meteorites»

S. V. Rtishchev. «Estimation of the geo-ecological situation in the area of the solid household waste ground in the Volga right bank part of Dubna on the basis of neutron activation analysis data on soils and plants»

Special Diploma:

T. Sandvik. «Migration of stable cesium in terrestrial ecosystems studied by NAA (Graduation Thesis)»

Honorary Membership:

V. L. Aksenov

Honorary Member of the Roland Eötvös Physical Society