



10. EXPERIMENTAL REPORTS*

DEPARTMENT OF NEUTRON INVESTIGATION OF CONDENSED MATTER

STRUCTURAL TRANSITION IN AQUEOUS LIPID/BILE SALT [DPPC/NADC] SUPRAMOLECULAR AGGREGATES: SANS AND DLS STUDY.

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INFLUENCE OF ALIPHATIC ALCOHOLS ON THERMAL BEHAVIOR OF MODEL STRATUM CORNEUM LIPID MIXTURES

N. Yu. Samoylova^{a, b}, S. S. Funari^c, P. Balgavy^d

INFLUENCE OF ALIPHATIC ALCOHOLS ON THERMAL BEHAVIOR OF MODEL STRATUM CORNEUM LIPID MIXTURES

N. Yu. Samoylova^{a, b}, S. S. Funari^c, P. Balgavy^d

SANS STUDY OF MAGNETOFERRITIN STRUCTURE AT HIGH IRON CONTENT

V.I.Petrenko^{a, b}, M.V.Avdeev^a, L.Melnikova^c, O.I.Ivankov^{a, b}, Z.Mitroova^c, P.Kopcansky^c

THE STRUCTURAL PROPERTIES OF $\text{Lu}_3\text{Al}_5\text{O}_{12}:\text{Ce}^{3+}$ + Lu_2O_3 CRYSTAL PHOSPHORS PREPARED BY COLLOID CHEMICAL SYNTHESIS.

S.E. Kichanov^a, G.P. Shevchenko^b, E.V. Tretyak^b, D.P. Kozlenko^a, G.E. Malashkevich^c, A.V.Belushkin^a and B.N. Savenko^a

PRESSURE-INDUCED CHANGES IN CRYSTAL AND MAGNETIC STRUCTURE OF MULTIFERROIC $\text{PbFe}_{0.5}\text{Nb}_{0.5}\text{O}_3$

D.P. Kozlenko^a, S.E. Kichanov^a, E.V. Lukin^a, N.T. Dang^b, A.A. Kamynin^c, S.A. Gridnev^c and B.N. Savenko^a

EVALUATION OF INTERPARTICLE INTERACTION IN POLAR FERROFLUID

A.V.Nagorny^{a, b}, V.I.Petrenko^{a, b}, M.V.Avdeev^a, O.I.Ivankov^{a, b}, O.V.Tomchuk^{a, b}, L.A.Bulavin^b and L.Vekas^c

PHASE TRANSITION, STRUCTURAL CHANGES AND H_2O REORIENTATIONAL MOTION IN $[\text{Sr}(\text{H}_2\text{O})_6]\text{Cl}_2$ STUDIED BY NEUTRON SCATTERING METHODS

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NEUTRON SCATTERING STUDIES OF SYNTHETIC AND REDUCED FORMS OF GRAPHENE OXIDE

I.Natkaniec^{1, 4}, E. F. Sheka², K. Druzbicki^{1, 3}, K. Holderna-Natkaniec⁴, S. P. Gubin⁵, S. V. Tkachev⁵

MAGNETIC PLANAR WAVEGUIDE AS SPIN SELECTOR FOR NEUTRON MICROBEAM

S.V. Kozhevnikov^a, T. Keller^{b, c}, Yu.N. Khaydukov^{b, c}, F. Ott^{d, e} and F. Radu^f

SANS METHOD STUDY OF THE MIXED MICELLAR WATER SOLUTIONS WITH AROMATIC SALTS



10. EXPERIMENTAL REPORTS*

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COMPARATIVE ANALYSIS OF RESIDUAL STRESSES IN THE CRACKED GAS-TRANSPORT TUBE BY NEUTRON DIFFRACTION AND MAGNETIC METHODS

V.V.Sumin, G.D.Bokuchava, I.V.Papushkin, I.G. Adriasyan, S.I. Filippov**

HIGH RESOLUTION NEUTRON DIFFRACTION STUDY OF TiMo_{2-d} DEUTERIDE

S. Lushnikov^a and I. Bobrikov^b

STUDY OF SILICON TETRAETHOXIDE CLUSTERS IN BASIC ETHANOL/WATER SOLUTIONS BY SANS CONTRAST VARIATION

O.V.Tomchuk^{a,b}, M.V.Avdeev^a, V.L.Aksenov^{a,c}, L.A.Bulavin^b and O.I.Ivankov^{a,b}

NEUTRON INVESTIGATION OF CRYSTAL AND MAGNETIC STRUCTURES OF BaFe_{11.7}Al_{0.3}O₁₉

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NUCLEAR PHYSICS DEPARTMENT

NEUTRON ACTIVATION ANALYSIS FOR STUDY ELEMENTAL CONTENT OF MICROBIAL BIOMASS IN THE PROCESS OF SYNTHESIS OF SILVER AND GOLD NANOPARTICLES

M. V. Frontasyeva¹, I. Zinicovscaia^{1, 2}, E. Kirkesali^{1, 3}, T. Kalabegishvili^{3, 4}, I. Murusidze⁴ S. S. Pavlov¹, A. Yu. Dmitriev¹

NEUTRON ACTIVATION ANALYSIS AND ENERGY DISPERSIVE SPECTROSCOPY FOR ESTIMATION OF ELEMENTAL CONCENTRATIONS IN PHYTOPLANKTON FROM COASTAL ZONE OF CRIMEA (THE BLACK SEA)

Nekhoroshkov P. S.^{1,2}, Kravtsova A. V.^{1,2}, Frontasyeva M. V.², Tokarev Yu. N.¹

BIOMONITORING OF TRACE ELEMENT DEPOSITION IN THE OPOLE PROVINCE (POLAND) USING NAA

A. Kłos¹, Yu.V. Aleksiyenak², Z. Ziembik¹, M. Rajfu¹, D. Jerz¹, M. Waclawek¹, M.V. Frontasyeva²

INSTRUMENTAL NEUTRON ACTIVATION ANALYSIS USED TO STUDY ACCUMULATION OF MACRO- AND TRACE ELEMENTS IN MACROALGAE FROM THE CRIMEAN COASTLINE OF THE BLACK SEA

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