

CONTENTS

SESSION fI STATISTICAL MECHANICS, KINETICS AND QUANTUM THEORY OF CONDENSED MATTERfI

Antonov N.V., Ignatieva A.A., Malyshev A.V.
Effects of Turbulent Mixing on the Critical Behavior1861

Belyi V.V., Kukhareno Yu.A.
Bogoliubov Kinetic Equations and Dielectric Function
with Exchange Interaction1867

Blaschke D.B., Schmidt S.M., Smolyansky S.A., Tarakanov A.V.
Self-Consistent Description of $e^d e^+ \Pi$ -Plasma Created
from the Vacuum in a Strong Electric Laser Field1873

Борисов И.И., Гурьев В.И., Гурьев В.И., Гурьев В.И.
Взаимодействие электронов с лазерным полем в вакууме
и создание плазмы1880

Brokate M., Rasulova M.Yu.
The Cauchy Problem for BBGKY Hierarchy of
Quantum Kinetic Equations with Coulomb Potential1891

Безиков Д., Зекović С., Ивčić З.
On the Possible Role of Small Polarons in the Charge
and Energy Transport in the α -Helix Proteins1897

Flach S.
Wave Propagation in Nonlinear Disordered Media1903

Gladyshev A.V., Juretsinova E., Juretsin M., Remekly R.
Anomalous Scaling in Helical Turbulent Environment1909

Katkov V.L., Osipov V.A.
Energy Distributions of Field Emitted Electrons
from Few-Layer Graphene Sheets with AB and ABC Stacking1916

Kuzemsky A.L.
Symmetry Breaking, Quantum Protectorate and Quasiaverages
in Condensed Matter Physics1924

Lyagushyn S.F., Sokolovsky A.I. Kinetics of System of Emitters and Nonequilibrium Electromagnetic Field	1932
Moskalenko V.A., Dohotaru L.A. Diagrammatic Analysis of the Hubbard Model: Stationary Property of the Thermodynamic Potential.....	1940
Moskalenko V.A., Dohotaru L.A. Diagrammatic Theory for Periodic Anderson Model.....	1949
Plakida N.M. Theory of High-Temperature Superconductivity in Cuprates.....	1958
Plechko V.N. Fermions and Disorder in Ising and Related Models in Two Dimensions	1964
Platzman M.L. On the Role of the Spin in the Theory of the Fermion Gas (1937~1945 ff.)	1976
Sadovnikov B.I., Inozemtseva N.G., Inozemtsev V.I. The Correlation Function and the Thermodynamic Quantities of the Mixed System	1982
Sankovich D.P. Bogoliubov's Theory of Superfluidity	1990
Shukrinov Yu.M. Tunneling in Superconducting Structures	1996
Smolyansky S.A., Bonitz M., Tarakanov A.V. Strong Field Generalization of the Interband Transitions Kinetics.....	2003
Soldatov A.V. On Lower Bound Estimates for the Energy Spectrum of the Fröhlich Polaron Model.....	2010
Sukhanov A.D., Golubeva O.N. (\sim ;k)-Dynamics as Some Generalization of Equilibrium Quantum Statistical Mechanics.....	2017
Tareyeva E.E., Schelkacheva T.I., Chitchev N.M. A Spin-Glass-Like Phase in Complex Nonmagnetic Systems. Various Kinds of Replica Symmetry Breaking	2035

SESSION IN NUCLEAR PHYSICS I

Abraamyan Kh.U., Baznat M.I., Friessen A.V., Gudina K.K., Kozhin M.A., Lebedev S.A., Nazarenko M.A., Nikitin S.A., Ososkov G.A., Reznikov S.G., Sissakian A.N., Sorin A.S., Toneev V.D. Resonance Structure in the $\pi\pi$ Invariant Mass Spectrum in pC and dC Interactions	2043
Adamian G.G., Antonenko N.V., Malov L.A., Lu B.N., Zhou S.G., Scheid W. Isomeric States in Heavy Nuclei	2049
Georgieva A.I., Ivanov M.I., Drenska S.L., Sviratcheva K.D., Drayer J.P. Dynamical Symmetries in Contemporary Nuclear Structure Applications	2054
Kolganova E.A. Helium Trimer in the Framework of Faddeev Approach	2060
Majling L., Majlingová O. Delayed Clusters Accompanying Nonmesonic Weak Decay of the Λ -Hypernuclei: A Clue to Nonleptonic Processes	2066
Matveenko A.V., Fukuda H., Alt E.O. Definition of Free Hyperradial Dynamics for the Three-Body Problem	2072
Mishev S., Voronov V.V. Quasi-Particle Phonon Nuclear Model for Odd-Mass Nuclei ⁺ Recent Developments	2080
Rubtsova O.A., Kukulin V.I., Pomerantsev V.N. Quantum Scattering Theory on the Momentum Lattice	2086
Vdovin A.I., Dzhoev A.A. Thermal Bogoliubov Transformation in Nuclear Structure Theory	2093
Wycech S. On Nuclear States of \bar{K} Mesons	2101
Subject Index to Volume 41, 2010	2106
Author Index to Volume 41, 2010	2114