

August 26, Wednesday

Session "Mathematics and nonlinear mechanics"

DIAS Hall, ground floor

Chair: G. Alekseev

15:00 - 15:20	V. Korepin <i>Entanglement in quantum spin chains</i>
15:20 - 15:40	A. Veselov <i>Quantum Calogero-Moser problems and Lie superalgebras</i>
15:40 - 16:00	P. Pyatov <i>Spectral extension of the quantum group cotangent bundle</i>
16:00 - 16:20	T. Kamalov <i>Ostrogradsky dynamics and quantum transition amplitudes</i>
16:20 - 16:40	L. Tomio <i>Stability in a 2D BEC system with nonlinear lattice</i>
16:40 - 17:00	S. Mayburov <i>Fuzzy space-time geometry and gauge fields</i>
17:00 - 17:20	COFFEE BREAK
19:30	BANQUET

August 26, Wednesday

Session "Quantum field theory and theory of elementary particles" (QFT)

Conference Hall, 2nd floor

Chair: O. Teryaev

15:00 - 15:20	B. Arbuzov <i>Bogoliubov compensation approach in QCD and in the electroweak theory</i>
15:20 - 15:40	A. Bakulev <i>Resummation approach in fractional analytic perturbation theory</i>
15:40 - 16:00	A. Kataev <i>Quarks and leptons masses in QCD and QED: existing definitions, relations and values</i>
16:00 - 16:20	Yu. Sitenko <i>Dirac fermions in the background of topological defects</i>
16:20 - 16:40	D. Polyakov <i>Ground ring of α-symmetries and sequence of RNS string theories</i>
16:40 - 17:00	S. Krivonos <i>$SU(2)$ reduction in the supersymmetric mechanics</i>
17:00 - 17:20	COFFEE BREAK
	Chair: I. Aref'eva
17:20 - 17:40	L. Laperashvili <i>Superstring-inspired E_6 unification and shadow theta-particles in Cosmology</i>
17:40 - 18:00	Yu. Vernov <i>The NEC violation and classical stability in the FRW and Bianchi I metrics</i>
18:00 - 18:20	A. Zakharov <i>Duality and Non-perturbative Physics in QCD</i>
18:20 - 18:40	D. Gal'tsov <i>Radiation in presence of large extra dimensions</i>
18:40 - 19:00	A. Bagrov <i>Critical formation of trapped surfaces in the collision of non-expanding gravitational shock waves in de Sitter spacetime</i>
19:30	BANQUET

August 26, Wednesday

Session "Quantum field theory and theory of elementary particles" (TEP)

Blokhitsev Hall, 4nd floor
Chair: V. Andrianov

15:00 - 15:20	V. Saleev <i>Reggeization of amplitudes in QCD and description of particle production at colliders</i>	
15:20 - 15:40	A. Godizov <i>Quark Mass and High Energy Behaviour</i>	
15:40 - 16:00	O. Selyugin <i>Asymptotic of S-matrix and unitarization</i>	
16:00 - 16:20	O. Shevchenko <i>QCD analysis of DIS and SIDIS data</i>	
16:20 - 16:40	G. Efimov <i>Bound states in quantum field theory</i>	
16:40 - 17:00	E. Kapuścik <i>The Bogoliubov S-Matrix</i>	
17:00 - 17:20	COFFEE BREAK	Chair: E. Kapuścik
17:20 - 17:40	L. Jenkovzsky <i>Analytic model of generalized parton distributions</i>	
17:40 - 18:00	A. Dorokhov <i>Rare decay $\pi^0 \rightarrow e^+e^-$ as a window to dark matter</i>	
18:00 - 18:20	R. Mir-Kasimov <i>Generating function for the Jacobi Functions, noncommutative differential calculus and the relativistic energy and m operator</i>	
18:20 - 18:40	Yu. Bystritskiy <i>Radiative decays of scalar mesons $\sigma(600)$, $f_0(980)$ and $a_0(980)$ in the local Nambu-Jona-Lasinio model</i>	
18:40 - 19:00	Yu. Surovtsev <i>The model-independent analysis indications for spectroscopy of scalar mesons. Proof for the $K_0^*(900)$</i>	
19:30	BANQUET	

August 26, Wednesday

Session "Statistical mechanics, kinetics and quantum theory of condensed matter" (StatMech)

Lecture Hall, 2nd floor

Chair: N.N. Bogolyubov (jr.)

15:00 - 15:30	A. Sukhanov <i>($\hbar - k$) - dynamics as some generalization of equilibrium quantum statistical mechanics</i>
15:30 - 16:00	A. Kuzemsky <i>Symmetry breaking, quantum protectorate and quasiaverages in condensed matter physics</i>
16:00 - 16:30	A. Prykarpatsky <i>On kinetic Boltzmann-Bogolubov type equations and related hydrodynamic flows with dry viscosity</i>
16:30 - 17:00	M. Jurčišin <i>Anomalous Scaling in Helical Turbulent Environment: Field Theoretic Renormalization Group Approach</i>
17:00 - 17:20	COFFEE BREAK
17:20 - 17:40	N. Antonov <i>Effects of turbulent mixing on critical behaviour</i>
17:40 - 18:00	V. Plechko <i>Fermions and disorder in Ising and related models in two dimensions</i>
18:00 - 18:20	S. Lyagushin <i>Kinetics of system of emitters and nonequilibrium electromagnetic field</i>
18:20 - 18:40	U. Taneri <i>The relativistic electrodynamics least action principles revisited: new charged point particle and hadronic string models analysis</i>
19:30	BANQUET

August 26, Wednesday

Session "Nuclear physics"

LNP Conference Hall, 2nd floor

Chair: L. Majling

15:00 - 15:20	A. Georgieva <i>Dynamical symmetries in the contemporary applications in nuclear structure</i>
15:20 - 15:40	A. Vdovin <i>Thermal Bogoliubov transformation in nuclear structure theory</i>
15:40 - 16:00	N. Antonenko <i>Isomeric states in heavy nuclei</i>
16:00 - 16:20	S. Mishev <i>Quasiparticle-phonon nuclear model for odd-mass nuclei - recent developments</i>
16:20 - 16:40	A. Meremyanin <i>On the divergence of the mean rotational energy in quantum N body systems</i>
17:00 - 17:00	COFFEE BREAK
	Chair: A. Antonenko
17:50 - 18:10	S. Wycech <i>On nuclear states of \bar{K} mesons</i>
18:10 - 18:30	L. Majling <i>Delayed clusters accompanying nonmesonic weak decay of the Λ-hypernuclei: a clue to nonleptonic processes</i>
18:30 - 18:50	Kh. Abraamyan <i>Resonance structure in the $\gamma\gamma$ invariant mass spectrum in pC- and dC-interactions</i>
19:30	BANQUET