

Bogolyubov Kyiv Conference "Problems of Theoretical and Mathematical Physics"

Tuesday 22 September 2026

Poster Session - Conference Hall (15:40-18:10)

time	[id] title	presenter
15:40	[39] Axion-Like Dark Matter Feedback from Subgalactic Baryon Redistribution	Dr NAZARENKO, Andriy
15:45	[16] Sufficient and necessary conditions of entropy driven framework for hot unfolding of RNA thermometers	Dr KAPITANCHUK, Oleksiy
15:50	[6] Ising-Markov chains equivalence as an inverse problem of statistical physics	Prof. USATENKO, Oleg
15:55	[38] The friction in a system of relativistic charged particles	OGNIVENKO, Volodymyr
16:00	[63] Longitudinal motion effects on transverse particle transport by random field	CHERNIAK, Oleksandr
16:05	[57] Quanta Measurements are Indirect only	USENKO, Constantin
16:10	[58] Pragmatic View on the Measurement of Quanta	USENKO, Constantin
16:15	[2] Geometric Singularities, Moduli Stabilization, and Gravitational Wave Signatures in String Compactifications	OBIKHOD, Tetiana
16:20	[17] Longitudinal-momentum and Coulomb effects in inclusive deuteron breakup on hydrogen and carbon	KRYVENKO-EMETOV, Yaroslav
16:25	[36] Hadronic and partonic composition of QCD matter across the crossover	LYSENKO, Artemiy
16:30	[48] Theoretical analysis of astrophysical S-factors of nuclear reactions ${}^7\text{Be}(n,\alpha){}^4\text{He}$ and ${}^7\text{Be}(n,p){}^7\text{Li}$	ZHABA, Victor
16:35	[70] Interacting Relativistic Bosons at Finite Temperatures: Comparison with Lattice QCD	ZHURAVEL, Denys
16:40	[24] Strain Engineering of Flexo-Phonons and Flexo-Ferrons in Thin Films of Van der Waals Ferrielectrics	ELISEEV, Eugene
16:45	[55] Machine learning to determine the fitting parameters of ferroelectric-dielectric nanocomposites dielectric response	Mr BEREZNYKOV, Oleksii
16:50	[67] Electronic structure and stability of complexes Ag^+ with nucleotide base pairs	OSOKIN, Yevhen
16:55	[54] Quantum-Chemical Study of the Interactions between DNA Phosphate Groups and Monovalent Ions	PIATNYTSKYI, Dmytro
17:00	[62] Charge density oscillations around the DNA double helix	CHERNIAK, Oleksandr
17:05	[29] Comparative Analysis of Ion-Specific Effects on the Electrophysical and Rheological Properties of DNA Aqueous Solutions with LiCl, NaCl, and KCl	Mrs SOSNOVSKA, Mariia
17:10	[25] Non-stationary longitudinal Josephson effect in bilayer systems with electron-hole pairing	KONSTANTYNOV, Oleksandr
17:15	[52] Quantum chemical study of methanol interaction with a pyrene-based acid	Ms KREMEN, Oksana
17:20	[61] Effect of fluorination on the molecular electrostatic potential of itic non-fullerene acceptors	Dr TEREbinska, Mariia
17:25	[10] A Hypercomplex method of solving the piecewise-continuous Dirichlet problem for the Lamé system	GRYSHCHUK, Serhii

17:30	[15] The some solution of the Bryan-Pidduck equation	HUKALOV, Oleksii
17:35	[18] Representations of solutions for a first order quasilinear equation in a form of series in powers of the copolynomial δ -function	SKURIKHIN, Roman
17:40	[21] Symmetry analysis and exact solutions of a model describing viscous fingering induced by a chemical reaction	Dr DAVYDOVYCH, Vasyl'
17:45	[53] Low-order momentum correlation functions of the symmetric Tamm-Dancoff q -bosons, derived via under-trace operations	MISHCHENKO, Yuriy
17:50	[60] Quantum Computing Study of the Speed of Quantum Evolution in the Ising Model in a Longitudinal Magnetic Field	KACHMAR, Markiiian