

The XXV International Scientific Conference of Young Scientists and Specialists (AYSS-2021)

Tuesday, 12 October 2021

Theoretical Physics (10:15 - 12:00)

time	[id] title	presenter
10:15	[861] Energy dependent ratios of level-density parameters in superheavy nuclei	Dr RAHMATINEJAD, Azam
10:30	[862] Investigation of the spin-orbit strengths on the prediction of the closed shells for superheavy nuclei based on Two Center Shell Model	Mrs BEZBAKH, Anna
10:45	[866] Doubled geometries as generalized bimetric gravity models	BOCHNIAK, Arkadiusz
11:00	[873] influence of external radiation on Josephson junction + nanomagnet system	KULIKOV, Kirill
11:15	[868] Description of the spectra of the lowest states for a chain of Zr isotopes based on the geometric collective model	MARDYBAN, Evgenii
11:30	[856] Relativistic corrections to the form factors of three-nucleon nuclei.	YUREV, Sergey
11:45	[876] Z_N symmetry in $SU(N)$ gauge theories	Mr SHAIKH, Sabiar

Theoretical Physics (15:45 - 18:00)

time	[id] title	presenter
15:45	[902] Specific features of light halo nuclei in interaction with α -particles	URAZBEKOV, Bakytzhan
16:00	[910] Geometrical models of relativistic spinning particles in d=3 Minkowski space	RETUNTSEV, Ivan
16:15	[891] Nonleptonic decay of the Λ hyperon	ТЮЛЕМИСОВ, Жомарт
16:45	[915] QCD equation of state at non-zero magnetic field using Dual QCD formulation	GARIMA PUNETHA, Garima
17:00	[892] Generalized BMS algebra at timelike infinity	KUNDU, Arpan
17:15	[946] Reconstruction of the topological band structure in the Hofstadter-Hubbard model	IVANTSOV, Ilya
17:30	[953] Nucleon density distributions and diabatic potential	SIMONOV, Makar
17:45	[934] Confinement phenomenon in gauge theories: from 2d sigma models to non-Abelian strings	Mr IEVLEV, Evgenii

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10:15	[874] Massive sunset and kite diagrams with elliptics	BEZUGLOV, Maxim
10:30	[924] Study of nuclear contribution to breakup cross section of ^{11}Be halo nuclei within time-dependent approach	VALIOLDA, Dinara
10:45	[869] Investigation of the Mo isotopes based on the collective model	MARDYBAN, Mariia
11:00	[841] Systematic study of anomalous behaviour "flat" superdeformed bands	DADWAL, Anshul
11:15	[954] Quantum three-body problem	AZNABAYEV, Damir
11:30	[963] Rare $b \rightarrow d$ decays in covariant confined quark model	ISSADYKOV, Aidos
11:45	[845] Global conserved quantities and unfree gauge symmetry	Ms ABAKUMOVA, Victoria

Theoretical Physics (15:45 - 17:00)

time	[id] title	presenter
15:45	[940] The dipole polarizability of the doubly-magic nuclei	SOLONOVICH, Nikita
16:00	[931] Dependences of the differential cross sections of 2D bosonic and fermionic dipoles scattering on the angles of the dipoles' mutual orientation	KOVAL, Eugene
16:15	[933] Lattice study of the phase transition in rotating gluodynamics and QCD	Dr ROENKO, Artem
16:30	[937] Chiral Vortical Effect for Rarita-Schwinger Fields and Chiral Anomaly	PROKHOROV, George
16:45	[898] Relative characteristics for estimating the neutron mass of the nuclear decay process	ALIBIN, Maksim