

LXXIV International conference Nucleus-2024: Fundamental problems and applications

Monday 1 July 2024

Nuclear structure: theory and experiment - Blokhintsev Hall (15:00 - 16:35)

time	[id] title	presenter
15:00	[20] DYNAMICS OF YRAST BANDS UP TO MAXIMUM KNOWN SPINS I N EVEN THORIUM NUCLEI	EFIMOV, Aleksandr
15:20	[108] АНАЛИЗ МЕЖПОЛОСНЫХ И ВНУТРИПОЛОСНЫХ ПЕРЕХОДОВ СОСТОЯНИЙ ПОЛОЖИТЕЛЬНОЙ ЧЕТНОСТИ ИЗОТОПОВ $^{182,184}\text{W}$	Prof. USMANOV, Pazlitdin
15:40	[362] Excitation spectra and electromagnetic transitions between low-lying nonrotationalstates	Mrs BEZBAKH, Anna
15:55	[372] Three-particle binding energy and wave function of 14A nuclei based on the HH method	IRGAZIEV, B. F.
16:15	[359] Исследование структуры нижайших квадрупольных возбуждений в изотопах Ge	MARDYBAN, Evgenii

Tuesday 2 July 2024

Nuclear structure: theory and experiment: Few-body systems - Second floor Hall (09:30 - 11:30)

time	[id] title	presenter
09:30	[113] Lattice system of two fermions with first and second nearest-neighboring-site interactions	MOTOVILOV, Alexander K.
09:50	[161] Self-consistent evolution: new neural network approach to bound state calculations	ROUDNEV, Vladimir
10:10	[51] Виртуальные и резонансные состояния в трёхчастичных системах $d\text{-}\mu^{\text{-}t}$, $d\text{-}\mu^{\text{-}d}$	Mr EGOROV, Mikhail
10:25	[91] Induced dipole interaction in scattering of positrons and electrons off light atomic target	YAKOVLEV, Sergey
10:40	[115] Single ionization of helium atom by protons in the parabolic quasi-Sturmian approach	POPOV, Yuri
11:00	[112] Quantum control of molecular alignment and orientation by two-color trapezoidal laser pulses	KOVAL, Eugene
11:15	[316] Diffractionless solutions for the bound states of the model 1D three-body problem	MALYKH, Anastasiya

Nuclear structure: theory and experiment: Few-body systems - Second floor Hall (12:00 - 14:00)

time	[id] title	presenter
12:00	[110] Resonant states of the $3n$ system in the SS-HORSE–NCSM approach	MAZUR, Alexander
12:20	[114] Machine learning in the problem of extrapolation of no-core shell model results	SHARYPOV, Roman
12:40	[61] FINDING PARAMETERS OF MULTI-CHANNEL RESONANCES FROM DISCRETIZED SPECTRA	RUBTSOVA, O. A.
13:00	[219] Short-range correlations in the lightest nuclei within the dibaryon model of nuclear forces	RUBTSOVA, Olga
13:20	[307] sd -shell evolution in neutron-rich ^{13}B and ^{16}C via direct reactions	XIA, Bolong
13:40	[262] Isospin analogues of the tetra-neutron resonance	SHIROKOV, Andrey

Wednesday 3 July 2024

Nuclear structure: theory and experiment - Blokhintsev Hall (09:30 - 11:30)

time	[id] title	presenter
09:30	[246] ON THE STRENGTH DISTRIBUTION OF ISOSCALAR GIANT MONOPOLE RESONANCE IN MEDIUM-HEAVY SPHERICAL NUCLEI	GORELIK, Mikhail
09:50	[309] Microscopic description of isoscalar giant monopole resonance in spherical nuclei	ARSENYEV, Nikolay
10:05	[76] Dipole electric and magnetic strengths in ^{156}Gd	VISHNEVSKIY, Petr
10:20	[83] Spin-dipole strengths and neutron skin thickness of ^{90}Zr , ^{132}Sn , ^{208}Pb	TOLOKONNIKOV, Sergei
10:40	[13] SOME FEATURES OF BETA-DECAY STRENGTH FUNCTION IN HALO NUCLEI	IZOSIMOV, Igor
11:00	[140] Muon capture measurements with Ba-136 target.	FOMINA, Maria
11:15	[167] Investigation of low-energy spectrum in 250-260No chain	MARDYBAN, Mariia

Nuclear structure: theory and experiment - Blokhintsev Hall (12:00 - 14:00)

time	[id] title	presenter
12:00	[287] Delineating the island of deformation in the light gold isotopes by means of laser spectroscopy	MOLKANOV, Pavel
12:20	[290] In-source laser photoionization spectroscopy of heavy ($N > 126$) Bi isotopes	SELIVERSTOV, Maxim
12:40	[82] Nuclear electromagnetic moments and radii near $N = 126$ neutron shell	BORZOV, Ivan
13:00	[119] Evolution of neutron shell structure of $N = 14, 16$ isotones	BESPALOVA, Olga
13:20	[187] Single-particle structure of mirror nuclei near ^{48}Ni	KLIMOCKINA, Anna
13:40	[203] Investigation of 1^+ excitations in light and medium nuclei within shell model	ONEGIN, Mikhail

Nuclear structure: theory and experiment - Blokhintsev Hall (15:00 - 17:00)

time	[id] title	presenter
15:00	[65] Spin scissors mode in Actinides	MOLODTSOVA, Irina
15:20	[146] Separable forces approximation in the generalized theory of finite fermi systems.	KAMERDZHIEV, Сергей
15:40	[348] ИССЛЕДОВАНИЕ СВОЙСТВ УРОВНЕЙ НЕЧЕТНО-НЕЧЕТНОГО ЯДРА ГОЛЬМИЯ С $A=160$.	Mr СТЕГАЙЛОВ, Владимир
15:55	[298] Appearance of superconducting pair correlations in spherical even-even nuclei	KUZ'MIN, Vladimir
16:10	[336] Модифицированные массовые соотношения GKT и GKL	СТОПАНИ, Константин
16:25	[107] СРАВНЕНИЕ МЕТОДОВ ДИАГОНАЛИЗАЦИИ ГАМИЛЬТониАНА БКШ С ТОЧНЫМ СОХРАНЕНИЕМ ЧИСЛА ЧАСТИЦ	Dr VLASNIKOV, Alexandr
16:40	[99] ZEEMAN EFFECT IN NUCLEI	BALBUTSEV, Evgeny

Nuclear structure: theory and experiment - Blokhintsev Hall (17:30 - 18:55)

time	[id] title	presenter
17:30	[365] Investigation of the properties of the first excited 1^- states of even-even nuclei	JOLOS, Rostislav
17:50	[341] Spectroscopy of transfermium elements @GRAND/SHELS	Dr TEZEKBAYEVA, M.S.
18:05	[278] Nucleon-pair approximation with particle-hole excitations	CHENG, Yiyuan
18:25	[123] Empirical systematics of spontaneous fission half-lives of heavy and superheavy nuclei	MOISEEV, Nikita
18:40	[371] Size, shape and deformation of nuclei	Mr MUSULMANBEKOV, Genis