

Monday 12 October

15:30

Section 1. Experimental and theoretical studies of the properties of atomic nuclei

Session | Location: Online

15:30-15:55

Description of the \$M1\$ resonance in \$^{208}\$Pb within the self-consistent phonon-coupling model

Speaker

Victor Tselyaev

15:55-16:20

MICROSCOPIC DESCRIPTION OF ISOSCALAR GIANT MONOPOLE RESONANCE IN \$^{118-132}\$Sn

Speaker

Dr Nikolay Arsenyev

16:20-16:45

TWO-PHONON STRUCTURES FOR \$\beta\$-DELAYED \$\gamma\$-SPECTROSCOPY

Speaker

Dr Alexey Severyukhin

16:45-17:00 Coffee break

17:00-17:25

Particle-hole dispersive optical model for open-shell nuclei. Implementations for describing 0\$^{+}\$ giant resonances in tin isotopes

Speaker

Mr Georgy Kolomiytsev

17:25-17:50

Properties of Isoscalar Giant Multipole Resonances in medium-heavy closed-shell nuclei: a semimicroscopic description

Speaker

Dr Mikhail Gorelik

17:50-18:15

ABOUT THE DEPENDENCE OF NUCLEAR SURFACE DIFFUSENESS ON NEUTRON-PROTON ASYMMETRY AND ITS INFLUENCE ON THE EVOLUTION OF SINGLE-PARTICLE SPECTRA

Speaker

Olga Bespalova

Tuesday 13 October

14:40

Section 1. Experimental and theoretical studies of the properties of atomic nuclei

Session | Location: Online

14:40-15:05

SELF-CONSISTENT STUDY OF NUCLEAR CHARGE RADII WITHIN THE FAYANS FUNCTIONAL

Speaker

Ivan Borzov

15:05-15:30

THE STRUCTURE OF HIGH-SPIN (9+) ISOMERS AND THE NATURE OF ROTATIONAL BANDS IN ODD-ODD Ho NUCLEI WITH A = 156, 158, 160.

Speaker

Mr Владимир Стегайлов

15:30-15:55

TRIAXIALITY OF EVEN-EVEN NUCLEI WITH QUADRUPOLE AND OCTUPOLE DEFORMATIONS

Speaker

S.N. Kudiratov

15:55-16:20

Self-consistent calculations of transitions between the first one-phonon 2+ and 3states in Sn isotopes

Speaker

Mr Mikhail Shitov

16:20-16:35 Coffee break

16:35-17:00

ЭНЕРГЕТИЧЕСКИЙ СПЕКТР И СТРУКТУРА СОСТОЯНИЙ ИЗОТОПА \${}^{156}\$Gd.

Speaker

П.Н. Усманов

17:00-17:25 COLLECTIVE STATES AND BANDCROSSING IN EVEN CERIUM ISOTOPES

Speaker

Dr Alexander Efimov

17:25-17:50

\$\Delta I=1\$ "STAGGERING" EFFECT IN THE SPECTRUM OF BAND OF EVEN-EVEN NUCLEI

Speaker

F.N. Temirov

Thursday 15 October

14:29

Section 1. Experimental and theoretical studies of the properties of atomic nuclei

Session | Location: Online

14:29-14:55 First contribution cancelled

14:55-15:20 Shape Coexistence in \$^{96}\$Zr within Geometrical Collective Model

Speaker

E.V. Mardyban

15:20-15:45

On the microscopic pygmy- and giant resonances theory accounting for complex 1p1h⊗phonon configurations

Speaker

Dr Sergey Kamerdzhiev

15:45-16:10 ENERGY SPECTRUM OF COLLECTIVE STATES OF ODD-ODD NUCLEI

Speaker

M.S. Nadirbekov

16:10-16:25 Coffee break

16:25-16:50

ENERGY SURFACE AROUND A DEFORMED EVEN-EVEN NUCLEI WITH 150<A<190

Speaker

A. K. Vlasnikov

16:50-17:15 INFLUENCE OF NEUTRON SHELLS ON SURFACE TENSION IN NUCLEI

Speaker

Aleksey Dolgodvorov

17:15-17:40

DEEP NEURAL NETWORKS AND THE PHENOMENOLOGY OF SUPER-HEAVY NUCLEI

Speaker

Andrzej Bobyk

17:40-18:05 DISCRETE TRANSFORMS IN QUANTUM CHAOS

Speaker

Prof. Vadim Bunakov

Friday 16 October

15:15

Section 1. Experimental and theoretical studies of the properties of atomic nuclei

Session | Location: Online

15:15-15:40

ON POSSIBILITY TO DETECT LIGHT STERILE NEUTRINO IN BETA- AND NEUTRINOLESS DOUBLE BETA-DECAYS OF NUCLEI

Speaker

Dr Sergei Semenov

15:40-16:05

DIFFERENTIAL INTENSITIES OF TWO NEUTRINO DOUBLE BETA-DECAY OF SELENIUM-82

Speaker

Dr Sergei Semenov

16:05-16:30 FOUR-NEUTRON DECAY CORRELATIONS

Speaker

Pavel Sharov

16:30-16:45 Coffee break

16:45-17:10

TAGS SPECTRA ANALYSIS AND BETA DECAY STRENGTH FUNCTION STRUCTURE

Speaker

Igor Izosimov

17:10-17:35 FINE STRUCTURE OF β-DECAY STRENGTH FUNCTION

Speaker

Dr Igor Izosimov

17:35-18:00

NON-STATISTICAL EFFECTS IN BETA & GAMMA DECAYS AND BETA-DELAYED FISSION ANALYSIS

Speaker

Igor Izosimov

18:00-18:25

Investigating the kaonic atoms and K\$^-\$ nuclear absorption at low-energy: SIDDHARTA-2 and AMADEUS

Speaker

Dr Raffaele Del Grande

18:25-18:50

Structure Of Light Λ -hypernuclei Near Nucleon Drip Lines And Baryonic Interaction

Speaker Semyon Sidorov 18:50-19:15 RESEARCH OF ISOBAR: Yb-Tm-Er-Ho WITH A=157. Speaker Dr Владимир Стегайлов 19:15

Saturday 17 October

09:25

Section 1. Experimental and theoretical studies of the properties of atomic nuclei

Session | Location: Online

09:25-09:50

NUCLEAR MATTER DENSITY DISTRIBUTIONS OF THE LIGHT WEAKLY BOUND NUCLEI

Speaker

Bakytzhan Urazbekov

09:50-10:15 Use of molecules to extract fundamental properties of nuclei

Speaker

Dr Leonid Skripnikov

10:15-10:40

Study of nuclear magnetic quadrupole moments at triatomic molecules

Speaker

Mr Daniel Maison

10:40-11:05 Collective structure in \$^{116}\$Sb

Speaker

Mr Shabir Dar

11:05-11:20 Coffee break

11:20-11:45 Structure of 10Li in one-neutron transfer reaction 2H(9Li,p)

Speaker

Andrey Bezbakh

11:45-12:10

STUDY OF LEVEL STRUCTIRE OF HEAVY HELIUM ISOTOPE 8He IN STOPPED PION **ABSORPTION**

Speaker

Dr Boris Chernyshev

12:10-12:35

FORMATION OF HEAVY HELIUM ISOTOPE 9 \$He IN 11 \$B($^{\pi}$ -}\$, **\$pp\$)X REACTION**

Speaker

Tatiana Leonova

12:35-13:00

The properties of the \$^4\$He\$ 3\$ and \$^3\$He\$^4\$He\$ 2\$ three - atomic systems

Speaker

Artem Korobitsin

13:00-13:50 Lunch break

14:10

Section 1. Experimental and theoretical studies of the properties of atomic nuclei

Session | Location: Online | Convener: Prof. Sergey Yakovlev

14:10-14:35 Quantum speed limits for time evolution of a system subspace

Speaker

Prof. Alexander K Motovilov

14:35-15:00 Metastable states of diatomic beryllium molecule

Speaker

Sergue Vinitsky

15:00-15:25 Efimov states in three-atomic systems

Speaker

E.A. Kolganova

15:25-15:50

THEORETICAL STUDY OF WEAKLY-BOUND TRIATOMIC SYSTEMS WITH FADDEEV EQUATIONS IN TOTAL ANGULAR MOMENTUM REPRESENTATION

Speaker

Vitaly Gradusov

15:50-16:05 Coffee break

16:05-16:30 Role of dibaryon resonances in elastic and inelastic NN scattering

Speaker

Olga Rubtsova

16:30-16:55

Discrete Variable Representation method in the study of few-body quantum systems with a low binding energy

Speaker

Vladimir Timoshenko

16:55-17:20

SCATTERING PROCESSES IN FEW-BODY SYSTEMS WITH NON-ZERO ANGULAR MOMENTUM

Speaker

Mr Evgeny Yarevsky

17:20-17:45

RADIAL ASYMPTOTIC OF THE WAVE FUNCTION OF FEW-PARTICLES IN THE CONTINUUM

Speaker

Prof. Sergey Yakovlev