

# **LXXIV International conference Nucleus-2024: Fundamental problems and applications**

**понедельник, 1 июля 2024 г. - пятница, 5 июля 2024 г.**

**Dubna, Russia  
Program**

# Table of contents

понедельник, 1 июля 2024 г. ....	1
Opening .....	1
Plenary .....	1
Coffee break .....	1
Plenary .....	1
Lunch .....	1
Experimental and theoretical studies of nuclear reactions .....	1
Nuclear structure: theory and experiment .....	1
Photo .....	2
Poster session .....	2
Welcome party .....	2
вторник, 2 июля 2024 г. ....	3
Applications of nuclear methods in science, technology, medicine and radioecology .....	3
Experimental and theoretical studies of nuclear reactions .....	3
Experimental and theoretical studies of nuclear reactions .....	3
Heavy ion collisions at Intermediate and high energies .....	4
Nuclear structure: theory and experiment .....	4
Coffee break .....	5
Applications of nuclear methods in science, technology, medicine and radioecology .....	5
Experimental and theoretical studies of nuclear reactions .....	5
Experimental and theoretical studies of nuclear reactions .....	6
Heavy ion collisions at Intermediate and high energies .....	6
Nuclear structure: theory and experiment .....	6
Lunch .....	7
Applications of nuclear methods in science, technology, medicine and radioecology .....	7
Experimental and theoretical studies of nuclear reactions .....	7
Experimental and theoretical studies of nuclear reactions .....	8
Heavy ion collisions at Intermediate and high energies .....	8
Coffe break .....	9
Applications of nuclear methods in science, technology, medicine and radioecology .....	9
Experimental and theoretical studies of nuclear reactions .....	9
Experimental and theoretical studies of nuclear reactions .....	10
Heavy ion collisions at Intermediate and high energies .....	10

среда, 3 июля 2024 г. ....	11
Heavy ion collisions at Intermediate and high energies .....	11
Neutrino physics and nuclear astrophysics .....	11
Nuclear structure: theory and experiment .....	11
Coffee break .....	12
Heavy ion collisions at Intermediate and high energies .....	12
Neutrino physics and nuclear astrophysics .....	12
Nuclear structure: theory and experiment .....	13
Lunch .....	13
Design of new experimental facilities .....	13
Neutrino physics and nuclear astrophysics .....	14
Nuclear structure: theory and experiment .....	14
Coffee break .....	15
Design of new experimental facilities .....	15
Neutrino physics and nuclear astrophysics .....	15
Nuclear structure: theory and experiment .....	15
Poster session .....	15
четверг, 4 июля 2024 г. ....	16
Plenary .....	16
Coffee break .....	16
Plenary .....	16
Excursion along the Volga River by boat .....	16
Banquet .....	16
пятница, 5 июля 2024 г. ....	17
Plenary .....	17
Coffee break .....	17
Plenary .....	17
Lunch .....	17
Experimental and theoretical studies of nuclear reactions .....	17
Closing .....	17

**понедельник, 1 июля 2024 г.****Opening - Conference Hall (09:30 - 10:00)****Plenary - Conference Hall (10:00 - 11:30)**

time	[id] title	presenter
10:00	[366] Status and development plan of accelerator complex FLNR	VASILY, Semin (Joint Institute for Nuclear Research)
10:30	[367] Synthesis and study of the decay properties of isotopes of superheavy elements Ds and Lv	KOVRIZHNYKH, Nikita (Joint Institute for Nuclear Research)
11:00	[364] Studies of light exotic nuclei at FLNR JINR	GRIGORENKO, Leonid (Joint Institute for Nuclear Research)

**Coffee break - Buffet (11:30 - 12:00)****Plenary - Conference Hall (12:00 - 14:00)**

time	[id] title	presenter
12:00	[62] Quantum shells in nuclei and beyond	NESTERENKO, Valentin (BLTP, Joint Institute for Nuclear Research)
12:30	[204] Heavy ion linac for nuclear physics.	KULEVOY, TIMUR (ITEP-NRC KI)
13:00	[90] Ab initio расчеты структуры легких ядер и ядерно-физический эксперимент	TCHUVIL'SKY, Yury (Skobeltsyn Institute of Nuclear Physics, Lomonosov Moscow State University, 119991 Moscow, Russia)
13:30	[370] Российские высокоскоростные (125-1000 МВыб/с) многоканальные диджитайзеры	ПАШКОВ, А.В. (ООО "Диджитайзер")

**Lunch (14:00 - 15:00)****Experimental and theoretical studies of nuclear reactions: Reactions with light nuclei - Conference Hall (15:00 - 16:35)**

time	[id] title	presenter
15:00	[226] Dimensions of ${}^6\text{Li}$ in low-lying states	DEMYANOVA, Alla (NRC "Kurchatov Institute")
15:20	[227] Search for halo structures in ${}^8\text{Li}$	DANILOV, Andrey (NRC Kurchatov Institute)
15:35	[19] Population of tetraneutron continuum in reactions of $8\text{He}$ on deuterium	MUZALEVSKII, Ivan (JINR)
15:50	[131] Investigation of spectral structure of ${}^{11}\text{Be}$ in breakup reactions within quantum-quasiclassical approach	VALIOLDA, Dinara (BLTP/KAZNU)
16:05	[152] Measurement of angular distributions of differential cross sections of products of the $7\text{Li}+10\text{B}$ reaction	STUKALOV, Sergei (FLNR JINR)
16:20	[295] MICROSCOPIC ANALYSIS OF ELASTIC SCATTERING AND TRANSFER REACTION IN THE $7\text{Li}+10\text{B}$ COLLISION AT ENERGY 58 MEV	ZEMLYANAYA, Elena (MLIT JINR)

**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 (Admiral Makarov State University of Maritime and Inland Shipping, St.-Petersburg, Russia; Ioffe Institute, St.-Petersburg, Russia)
15:20	[108] АНАЛИЗ МЕЖПОЛОСНЫХ И ВНУТРИПОЛОСНЫХ ПЕРЕХОДОВ СОСТОЯНИЙ ПОЛОЖИТЕЛЬНОЙ ЧЕТНОСТИ ИЗОТОПОВ $^{182,184}\text{W}$	USMANOV, Pazlitdin (Namangan Institute of Engineering and Technology)
15:40	[362] Excitation spectra and electromagnetic transitions between low-lying nonrotational states	BEZBAKH, Anna (JINR)
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 (JINR BLTP)

**Photo (16:35 - 17:00)**

**Poster session - Hall (17:00 - 18:30)**

**Welcome party - Buffet (18:30 - 20:30)**

**вторник, 2 июля 2024 г.****Applications of nuclear methods in science, technology, medicine and radioecology: Radiation therapy - Conference****Hall (09:30 - 11:30)**

time	[id] title	presenter
09:30	[77] Increasing The Accuracy Of Dose Delivery To CTV During PBS Proton Therapy	KISELEV, Vasilii (FSCCRO of FMBA of Russia)
09:45	[150] RESEARCH OF THE FLASH EFFECT AT THE PROTON ACCELERATOR OF INR RAS	AKULINICHEV, Sergey (INR RAS)
10:00	[329] ASSESSMENT OF SOME UNACCOUNTED CONTRIBUTIONS TO THE ABSORBED DOSE DURING RADIATION THERAPY	SHCHERBAKOV, Alexey (Lomonosov MSU)
10:15	[171] Эксперименты по облучению биологических моделей в протонном пучке	YAKOVLEV, Ivan
10:30	[332] Technological state and prospects of production of modern X-ray diagnostic systems	POPOV, Andrey (Lomonosov MSU) SOSNOV, Dmitry (Lomonosov MSU)
10:45	[192] Анализ клеточной гибели и пролиферативной активности клеточных культур при облучении протонами в режиме флэш	MARTYNOVA, Valeriia (INR RAS)
11:00	[231] CONTRIBUTION OF PHOTOELECTRIC EFFECT TO THE DOSE ENHANCEMENT FACTOR IN PHOTON ACTIVATION THERAPY	RASULOVA, Dildora (Institute of Nuclear Physics of Academy of Sciences of the Republic of Uzbekistan)
11:15	[267] DOSES OF INTERNAL HUMAN RADIATION FROM RADON DURING HEATING OF RESIDENTIAL BUILDINGS WITH NATURAL GAS IN THE CONDITIONS OF THE NORTH	PETROVA, Kristina (M. K. Ammosov North-Eastern Federal University)

**Experimental and theoretical studies of nuclear reactions - Blokhintsev Hall (09:30 - 11:30)**

time	[id] title	presenter
09:30	[209] EMISSION OF HIGH-ENERGY $4\text{He}$ AND $6,7\text{Li}$ NUCLEI IN NUCLEAR REACTION OF $56\text{Fe}$ IONS ON $238\text{U}$ TARGET	MASLOV, Vladimir (JINR)
09:50	[201] Resonance amplification of nuclear reaction $X(a,b)Y$ near the $a+X$ channel threshold	MELEZHNIK, Vladimir (BLTP JINR Dubna)
10:10	[276] Neutron transfer in reactions $7\text{Li}, 48\text{Ca} + 197\text{Au}$ at above-barrier energies	SHAKHOV, Aleksei (JINR)
10:30	[326] SYMMETRY BREAKING EFFECTS IN THE INTERACTION OF SLOW NEUTRONS WITH LEAD NUCLEUS	ОПРЕА, Иоан (Joint Institute for Nuclear Research (JINR) Frank Laboratory for Neutron Physics (FLNP))
10:45	[303] Quenching factor of spectroscopic factors extracted from single-nucleon transfer reactions	ZHU, Hongyu (Peking University)
11:05	[14] ASYMPTOTIC NORMALIZATION COEFFICIENTS FOR $^{16}\text{O}+n \rightarrow ^{17}\text{O}$ FROM THE $^{16}\text{O}(d,p)^{17}\text{O}$ REACTION	IKROMKHONOV, Erkinjon (Institute of Nuclear Physics, Academy of Sciences of Uzbekistan)

**Experimental and theoretical studies of nuclear reactions: Fission - Conference Hall (09:30 - 11:30)**

time	[id] title	presenter
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09:30	[182] Оценка коэффициентов корреляции спинов фрагментов двойного деления ядер	PISKLYUKOV, Andrey (Voronezh State University)
09:50	[297] Influence of angular momentum on Mass-Total Kinetic Energy distribution of fragments formed in the $^{24}\text{Mg} + ^{232}\text{Th}$ and $^{48}\text{Ca} + ^{208}\text{Pb}$ reactions	S, Sanila (FLNR, JINR)
10:10	[232] Deviations from A.Bohr's formula for fission fragments angular distributions with taking into account zero wriggling-vibrations of the fissile nucleus	TITOVA, Larisa (Voronezh State University)
10:30	[48] New indications and evidences of multibody partitions of $^{252}\text{Cf}(sf)$	PYATKOV, Yury (National Nuclear Research University "MEPHI" & Joint Institute for Nuclear Research)
10:50	[236] Развитие квантовой теории спонтанного двойного деления	LYUBASHEVSKY, Dmitrii (Voronezh State University)
11:10	[271] EXPERIMENTAL STUDY OF MODAL FISSION OF EXCITED HEAVY NUCLEI	ITKIS, Yulia (FLNR JINR)

### **Heavy ion collisions at Intermediate and high energies - Conference Hall (09:30 - 11:30)**

time	[id] title	presenter
09:30	[86] DOUBLE POLARIZED DEUTERON-DEUTERON SCATTERING AND TEST OF T-INVARIANCE	UZIKOV, Yury (Joint Institute for Nuclear Researches)
09:50	[101] Splitting effect of light nuclei momentum distributions at fragmentation of iron ions with energy of 230 MeV/nucleon.	MARTEMIANOV, M. A. (NRC "Kurchatov institute", 123182 Moscow, Russia)
10:10	[21] Study of correlations of charged particles in Xe+W interactions at an energy of 3.0 GeV/nucleon.	LEGOSTAEVA, Ksenia
10:30	[153] Дибарионы: поиск и теоретические оценки	DOROSHKEVICH, Eugene (Institute for Nuclear Research RAS)
10:50	[268] Fragmentation features of Be, B, C nuclei in nuclear track emulsions	ARTEMENKOV, Denis (JINR)
11:10	[68] Production of protons, deuterons, tritons in argon-nucleus interactions at 3.2 AGeV	KOVACHEV, Lalyo (JINR)

### **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. (BLTP, Joint Institute for Nuclear Research)
09:50	[161] Self-consistent evolution: new neural network approach to bound state calculations	ROUDNEV, Vladimir (St-Petersburg State University)
10:10	[51] Виртуальные и резонансные состояния в трёхчастичных системах $d-\mu^-t$ , $d-\mu^-d$	EGOROV, Mikhail (Tomsk State University)
10:25	[91] Induced dipole interaction in scattering of positrons and electrons off light atomic target	YAKOVLEV, Sergey (Saint Petersburg State University)
10:40	[115] Single ionization of helium atom by protons in the parabolic quasi-Sturmian approach	POPOV, Yuri (Nuclear Physics Inst., Moscow State Univ., BLTP JINR)

11:00	[112] Quantum control of molecular alignment and orientation by two-color trapezoidal laser pulses	KOVAL, Eugene (BLTP, JINR)
11:15	[316] Diffractionless solutions for the bound states of the model 1D three-body problem	MALYKH, Anastasiya (BLTP JINR)

**Coffee break - Buffet (11:30 - 12:00)****Applications of nuclear methods in science, technology, medicine and radioecology: Detectors/Therapy - Conference****Hall (12:00 - 14:00)**

time	[id] title	presenter
12:00	[168] SILICON PIXEL SENSORS FOR DETERMINATION OF CHARACTERISTICS OF PROTON BEAMS IN THE ENERGY RANGE 100 – 1000 MeV FOR THEIR USE IN TRACKING DETECTORS	PETROV, Vitalii (St Petersburg State University (RU))
12:15	[170] Оценка точности дозиметрии протонов с плёночными детекторами	MERZLIKIN, Grigorii (INR RAS)
12:30	[172] Позиционно-чувствительный черенковский монитор мощных пучков протонов	GAVRILOV, Yuri (INR RAS)
12:45	[324] Study of the yield of positron emitters after irradiation with 100 and 200 MeV protons of natural calcium targets	ADONYEV, Stepan (Lomonosov Moscow State University)
13:00	[315] Measurement of the Photo-peak Efficiency and Covariance Analysis of $\gamma$ -Ray Detectors of TANGRA Project using $^{22}\text{Na}$ , $^{60}\text{Co}$ , $^{133}\text{Ba}$ , $^{137}\text{Cs}$ , $^{152}\text{Eu}$ , $^{228}\text{Th}$ and Comparison with the Geant4 and MCNP Simulation.	DAS, Pretam Kumar (FLNP, Joint Institute for Nuclear Research)
13:15	[284] Determination of the Parameters of Prototype of “Gamma” Installation at the IREN Facility	YERGASHOV, Almat (Frank Laboratory of Neutron Physics, Joint Institute for Nuclear Research, Institute of Nuclear Physics, Almaty, Republic of Kazakhstan)
13:30	[59] Project BECQUEREL at portal of nuclear knowledge BelNET	SYTOVA, Svetlana (Institute for Nuclear Problems of Belarusian State University)
13:45	[102] Estimation of biological protection at the new cyclotron complex DC-140 using Monte Carlo method	BOLATKAZYEV, Yeldos

**Experimental and theoretical studies of nuclear reactions - Blokhintsev Hall (12:00 - 14:00)**

time	[id] title	presenter
12:00	[347] Роль динамики при описании нейтронных множественностей в спонтанном делении трансфермиевых ядер	ANDREEV, Alexander (JINR)
12:20	[343] Quantum mechanical analysis of angular oscillations at scission point: Implications for fission fragment angular momentum generation	RAHMATINEJAD, Azam (JINR)
12:40	[346] Low-energy incomplete fusion: A systematic study of entrance channel parameters	JASHWAL, Anuj Kumar (Bareilly College MJP Rohilkhand University Bareilly)
13:00	[356] Validity analysis of gamma-ray strength function models for radiative capture reactions of heavy nuclei	NASRI NASRABADI, Mehdi (Faculty of Physics, University of Isfahan, 81746-73441, Isfahan, Iran; Frank Laboratory of Neutron Physics, Joint Institute for Nuclear Research, Joliot-Curie 6, 141980 Dubna, Russia)



13:20	[149] TOTAL REACTIONS CROSS SECTIONS MEASURING METHODS	SOBOLEV, Yuri (FLNR JINR)
13:40	[155] Influences of the isospin-asymmetry and nuclear skin thickness on the structure and reactions of heavy nuclei	SEIF, Walaa (BLTP-JINR + Cairo University)

### **Experimental and theoretical studies of nuclear reactions: Fission - Conference Hall (12:00 - 14:00)**

time	[id] title	presenter
12:00	[234] Formation mechanism of decay fragments in spontaneous ternary fission of heavy nuclei	KALANDAROV, SHUHRAT (BLTP JINR)
12:20	[97] Neutron-Induced Fission Cross Section of $^{237}\text{Np}$ up to 500 MeV	VOROBYEV, A.S. (B.P. Konstantinov Petersburg Nuclear Physics Institute of National Research Center "Kurchatov institute",)
12:40	[157] Fission of $^{243}\text{Am}$ by neutrons of intermediate energy: analysis of cross section and angular anisotropy of fission fragments	BARABANOV, A. L. (NRC "Kurchatov Institute")
13:00	[233] The effect of the non-axial shape of nuclei on the fission characteristics in the Langevin approach	KOSTRYUKOV, Pavel (Voronezh State University of Forestry and Technologies / Voronezh State University)
13:20	[258] Appearance of the hindrance to complete fusion in heavy-ion collisions	NASIROV, Avazbek (Joint Institute for Nuclear Research)
13:40	[212] Fission modes and deformed nuclear shells in mass and energy distributions of fission fragments of $^{237}\text{Pu}$ compound nuclei formed in $^{233}\text{U}(\alpha, f)$ reaction at 24 and 29 MeV incident alpha particle energy	PAN, Andrey (Institute of nuclear physics, Almaty, Kazakhstan)

### **Heavy ion collisions at Intermediate and high energies - Conference Hall (12:00 - 14:00)**

time	[id] title	presenter
12:00	[47] The Hyperon Polarization and the Forward-Backward Flow in the Bi+Bi collisions at NICA	TSEGELNIK, Nikita (BLTP, JINR)
12:20	[73] Search for unstable nuclear states in the fragmentation of Kr nuclei at 950 MeV/nucleon	ZAITSEV, Andrei (JINR, LHEP)
12:40	[89] Electromagnetic dissociation of nuclei: from LHC to NICA	PSHENICHNOV, Igor (Institute for Nuclear Research of the Russian Academy of Sciences, Moscow Institute of Physics and Technology)
13:00	[50] EMISSION OF CUMULATIVE SECONDARY PARTICLES AND FRAGMENTS IN COLLISIONS OF HEAVY IONS OF INTERMEDIATE ENERGIES BASED ON NON-EQUILIBRIUM HYDRODYNAMIC APPROACH	D'YACHENKO, Alexander (Petersburg State Transport University)

### **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 (Pacific National University)
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. (M.V. Lomonosov Moscow State University, Skobeltsyn Institute of Nuclear Physics)
13:00	[219] Short-range correlations in the lightest nuclei within the dibaryon model of nuclear forces	RUBTSOVA, Olga (Skobeltsyn Institute of Nuclear Physics, Lomonosov Moscow State University)
13:20	[307] sd-shell evolution in neutron-rich <sup>13</sup> B and <sup>16</sup> C via direct reactions	XIA, Bolong
13:40	[262] Isospin analogues of the tetra-neutron resonance	SHIROKOV, Andrey (Moscow State University)

**Lunch (14:00 - 15:00)****Applications of nuclear methods in science, technology, medicine and radioecology: Radiation technologies/Radioecology****- Conference Hall (15:00 - 17:00)**

time	[id] title	presenter
15:00	[259] Dosimetric planning of radiation treatment of bio-objects and materials	ZOLOTOV, Sergei (Lomonosov Moscow State University)
15:15	[208] STUDY OF THE RADIOECOLOGICAL SITUATION AT THE SITES OF EMERGENCY UNDERGROUND NUCLEAR EXPLOSIONS IN THE 70S IN YAKUTIA	MAMAEVA, Sargylana (North-Eastern Federal University named after M.K. Ammosov)
15:30	[145] THE EFFECT OF X-RAY RADIATION AND ACCELERATED ELECTRONS ON POTATO YIELD	CHULIKOVA N.S., Чуликова (СФНЦА РАН)
15:45	[244] APPLICATION OF COMBINED RADIATION TECHNOLOGIES FOR STERILIZATION OF CULTURAL HERITAGE ARTIFACTS	NIKOLAEVA, Nadezhda (North-Eastern Federal university)
16:00	[158] Определение тормозной способности ионов углерода в органических соединениях при помощи ядер отдачи	TIMOFEY, Bobrovskiy (Institute for Physics and Power Engineering (IPPE), Obninsk, Russia)
16:15	[235] PROSPECTS AND DIRECTIONS FOR IMPROVING RADIATION STERILIZATION TECHNIQUES	KHUTSISTOVA, Alana (Lomonosov Moscow State University; Herten Moscow Research Oncological Institute)
16:30	[322] New beam dynamics simulation for the updated coil design of MSC230 cyclotron for medical-biological research	SEDOV, Leonid (JINR)
16:40	[33] ИЗМЕРЕНИЕ КОНЦЕНТРАЦИИ АЛЬФА-ИЗЛУЧАЮЩИХ НУКЛИДОВ В РАСТВОРАХ С ПОМОЩЬЮ АЛЬФА-СПЕКТРОМЕТРИИ	ERSHOV, Konstantin (V.G. Khlopin Radium Institute)

**Experimental and theoretical studies of nuclear reactions - Blokhintsev Hall (15:00 - 17:00)**

time	[id] title	presenter
15:00	[85] ANALYSIS OF THE PROTON AMPLITUDE OF SCATTERING ON THE BOUNDED NUCLEAR NUCLEONS BASING ON THE PROTON-NUCLEUS SCATTERING DATA	ABDULMAGEAD, Ibrahim (Joint Institute of Nuclear Research, Dubna, Russia, Cairo university-Giza-Egypt, ASRT-Cairo-Egypt)

15:20	[49] ANALYTIC CONTINUATION OF DIFFERENTIAL CROSS SECTIONS AS A WAY TO DETERMINE ASYMPTOTIC NORMALIZATION COEFFICIENTS. APPLICATION TO THE $^{16}\text{O}(d,p)^{17}\text{O}$ REACTION	BLOKHINTSEV, Leonid (Skobeltsyn Institute of Nuclear Physics, Lomonosov Moscow State University)
15:40	[52] Данные о нейтрон-протонной длине рассеяния, извлеченные в реакции $n + ^2\text{H} \rightarrow n + n + p$ при энергии нейтронов 5 МэВ	КАСПАРОВ, Александр (ИЯИ РАН)
16:00	[88] Вычисление сечения резонансной реакции $^6\text{Li}(2\text{H}, 4\text{He})^4\text{He}$ на основе результатов ab initio расчетов спектров высоковозбужденных состояний $^8\text{Be}$	RODKIN, Dmitry (Dukhov Research Institute for Automatics)
16:20	[36] THEORETICAL STUDY OF THE TRANSFER REACTIONS IN THE D + D SYSTEM	SOLOVYEV, Alexander (Dukhov Automatics Research Institute (VNIIA))
16:40	[111] ИССЛЕДОВАНИЕ РЕАКЦИЙ ПОД ДЕЙСТВИЕМ БЫСТРЫХ НЕЙТРОНОВ НА ЯДРЕ $^{10}\text{B}$ С ИСПУСКАНИЕМ ТРИТИЯ С ПОМОЩЬЮ КООРДИНАТНОГО ДЕТЕКТОРА	ПОТАШЕВ, Станислав (ФГБУН Институт ядерных исследований Российской академии наук)

### **Experimental and theoretical studies of nuclear reactions: Gamma-reactions - Second floor Hall (15:00 - 17:00)**

time	[id] title	presenter
15:00	[45] POSSIBILITIES OF PHOTONUCLEAR EXPERIMENTS AT $E_{\gamma} = (1-4)$ MeV ON COLLIMATED $\gamma$ -SOURCES FROM COMPTON BACKWARD-SCATTERING	DZHILAVYAN, Leonid (Insstitute for Nuclear Research of RAS)
15:20	[44] PHOTONEUTRON REACTION CROSS SECTIONS RELIABILITY IN DIFFERENT TYPE EXPERIMENTS	VARLAMOV, Vladimir (Skobeltsyn Institute of Nuclear Physics of Lomonosov Moscow State University)
15:40	[327] THE ISOSPIN SPLITTING OF GDR AND PHOTOPROTON REACTIONS ON MERCURY ISOTOPES	PORYADINA, Olesya (Lomonosov Moscow State University, Department of Physics)
15:50	[335] PHOTOPROTON REACTIONS ON ERBIUM ISOTOPES	FURSOVA, Nadezhda (Faculty of Physics, Lomonosov Moscow State University, Moscow, Russia; Skobeltsyn Institute of Nuclear Physics, Lomonosov Moscow State University, Moscow, Russia)
16:00	[132] LIGHT AND MEDIUM-HEAVY NUCLEI PHOTONEUTRON REACTION CROSS-SECTIONS IN BREMSSTRAHLUNG BEAM EXPERIMENTS	DAVYDOV, Aleksandr
16:10	[323] Study of $^{209}\text{Bi}(\gamma, xn)$ relative reaction yields in energy range 35-60 MeV	DEMICHEV, Mikhail (JINR)
16:20	[118] EXPERIMENTAL STUDY OF RELATIVE PROBABILITY OF HIGH-SPIN ISOMERIC STATES POPULATION IN $(\alpha, n)$ -REACTIONS	T. V. CHUVILSKAYA (Skobeltsyn Institute of Nuclear Physics, Lomonosov Moscow State University)
16:40	[130] Stimulation of Re-186m isomeric nuclei de-excitation in high-current Z-pinch plasma at the "Angara-5-1" facility	KOLTSOV, Vladimir (Public corporation "Khlopin Radium Institute")

### **Heavy ion collisions at Intermediate and high energies - Conference Hall (15:00 - 17:00)**

time	[id] title	presenter
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15:00	[95] Analysis of nuclear track emulsion exposed by relativistic hadrons	NATARAJAN, MARIMUTHU (Joint Institute for Nuclear Research)
15:15	[133] Performance study of the anisotropic flow measurements with fixed-target mode of the MPD experiment at NICA	PARFENOV, Peter (JINR)
15:35	[139] Cumulative production at central rapidities due to interactions involving fluctons	VECHERNIN, Vladimir (St. Petersburg State University)
15:55	[104] Measurement of neutron energy spectra in the region of large angles in Xe + CsI collisions at energy of 3.8 A GeV	LASHMANOV, Nikita (Joint Institute for Nuclear Research)
16:10	[275] Cold Superdense Baryonic Component of Nuclear Matter	SHIMANSKIY, Stepan (JINR)
16:25	[147] Event-by-event determination of thermodynamic quantities at NICA energies	KOVALENKO, Vladimir (Saint Petersburg State University)
16:45	[173] Self-similarity approach in relativistic nuclear physics	BALDINA, Elina (LHEP JINR)

**Coffe break - Buffet (17:00 - 17:30)****Applications of nuclear methods in science, technology, medicine and radioecology - Conference Hall (17:30 - 19:20)**

time	[id] title	presenter
17:30	[331] PROGRAM FOR QUICK CALCULATION OF ABSORBED DOSE DISTRIBUTION BY DEPTH IN HOMOGENEOUS OBJECTS	STUDENIKIN, Felix (Lomonosov Moscow State University)
17:50	[333] Chemical transformations of volatile organic compounds in animal-derived products after irradiation	IPATOVA, Victoria (Lomonosov Moscow State University)
18:05	[353] Optimization of radiation treatment of biological objects	BLIZNYUK, Ulyana (Lomonosov Moscow State University)
18:20	[70] Механизм уточнения энергетических потерь ионов в области низких энергий с помощью измерения эффекта Доплера	GRACHKOV, Alexey (Dukhov Automatics Research Institute (VNIIA))
18:35	[220] Performance of the Mass Testing Setup for Arrays of Silicon Photomultipliers in the TAO Experiment	РЫБНИКОВ, Арсений (JINR)
18:50	[247] Evolution of the neutron spectrum during propagation of the neutron flux in solid bodies	KHLIUSTIN, Denis (Institute for Nuclear Research Russian Academy of Sciences)
19:05	[355] Monte Carlo Simulation Techniques in Radiation Dosimetry: Advancements and Applications	ASHUROV, Sindorjon (National University of Uzbekistan)

**Experimental and theoretical studies of nuclear reactions - Blokhintsev Hall (17:30 - 19:25)**

time	[id] title	presenter
17:30	[196] Examination of collective and single-particle models for excited states of $^{13}\text{C}$ below 10 MeV in nuclear reactions induced by 18 MeV deuteron beam	JANSEITOV, Daniyar (BLTP)
17:50	[280] Observation of positive parity wave in low energy spectrum of $^7\text{He}$	BEZBAKH, Andrey (FLNR JINR)
18:10	[211] DETERMINATION OF NUCLEAR MATTER RADII USING S-MATRIX FOR ELASTIC SCATTERING OF IDENTICAL NUCLEI	SAMARIN, Viacheslav (Joint Institute for Nuclear Research, Flerov Laboratory of Nuclear Reactions)
18:25	[72] Исследование испарительных каналов реакций полного слияния с тяжелыми ионами, приводящих к образованию ядер с $88 \leq Z \leq 102$ .	КУЗНЕЦОВА, Алёна (JINR)

18:40	[42] Measurement and analysis of the $^{13}\text{C}(\alpha, \alpha^0)^{13}\text{C}$ reaction cross-section in the energy range of 2.0 – 7.0 MeV	PRUSACHENKO, P.S. (Frank Laboratory of Neutron Physics, Joint Institute for Nuclear Research)
18:55	[98] Определение низкоэнергетических параметров $\rho\rho$ -состояния в реакции $d+d^{13}\text{H} \rightarrow p+p+d+n$	МИЦУК, Вячеслав (ИЯИ РАН)
19:10	[215] Исследование вариации МНД	ZEYNALOV, Shakir (JINR)

**Experimental and theoretical studies of nuclear reactions: Gamma-reactions/Multinucleon transfer reactions - Second floor Hall (17:30 - 19:40)**

time	[id] title	presenter
17:40	[162] Investigation of $(\gamma, xn)$ -reactions on natural iridium at 55 MeV bremsstrahlung energy	PUPYSHEV, Vladimir (Lomonosov Moscow State University)
17:50	[137] Исследование угловых распределений и сечений излучения гамма-квантов на ядрах Si, O и C в реакциях с быстрыми нейтронами	ANDREEV, Alexander (JINR, FLNP)
18:10	[144] Role of entrance channel angular momentum on the mass-energy distributions of $^{224}\text{Th}$	DEY, ANIRUDDHA (Flerov Laboratory of Nuclear Reaction, Joint Institute for Nuclear Research)
18:30	[291] Experimental study of MNT process in the reaction $^{209}\text{Bi} + ^{238}\text{U}$ at energy 1.85 GeV	VOROBEV, Igor (FLNR)
18:50	[96] Competition between deep-inelastic transfer and fragmentation reactions in heavy-ion collisions at Fermi energy region	БАТЧУЛУУН, Эрдэмчимэг (JINR, FLNR)
19:05	[265] STUDY OF NUCLEON TRANSFER PROCESSES IN THE REACTIONS $^{48}\text{Ca} + ^{197}\text{Au}$ , $^{48}\text{Ca} + ^9\text{Be}$	MOLOTORENKO, Ksenia (JINR)
19:20	[241] exotic structure studies of light neutron-rich nuclei via transfer reactions	LOU, Jianling (Peking university)

**Heavy ion collisions at Intermediate and high energies - Conference Hall (17:30 - 19:15)**

time	[id] title	presenter
17:30	[151] Charged fragments-spectators measurements with Scintillation Wall in the BM@N experiment $\text{Xe} + \text{CsI}$ @ 3.8 AGeV	MAMAEV, Mikhail (NRNU MEPhI)
17:50	[156] Peeling away surface neutrons from $^{209}\text{Bi}$ in asymmetric collisions	SVETLICHNYI, Aleksandr (Institute for Nuclear Research, Russian Academy of Sciences, Moscow Institute of Physics and Technology)
18:10	[142] Reconstruction of strange particle decays from $\text{Xe} + \text{CsI}$ interactions with the BM@N spectrometer	ZINCHENKO, Alexander (Joint Institute for Nuclear Research)
18:25	[174] Lobachevsky geometry in relativistic nuclear physics. Directed nuclear radiation	BALDIN, Anton (LHEP JINR)
18:40	[250] Anisotropic Collective Flow at High Baryon Density	ТАРАХЕНКО, Аркадий (VBLHEP JINR)
19:00	[252] Recent PHENIX results on identified charged hadron production	LARIONOVA, Daria (Peter the Great St.Petersburg Polytechnic University (SPbPU))

**среда, 3 июля 2024 г.****Heavy ion collisions at Intermediate and high energies - Conference Hall (09:30 - 11:30)**

time	[id] title	presenter
09:30	[274] Is there diffraction dissociation of nuclear nucleons in nucleus-nucleus interactions	УЖИНСКИЙ, Владимир (ЛИТ, JINR)
09:50	[279] Status and preparations for the first physics with the MPD experiment at NICA	GOLOSOV, Oleg (NRC "Kurchatov Institute", МЕРФІ)
10:10	[292] Towards understanding of $K^0_s$ meson production in hadronic interactions	GALOYAN, Aida (Veksler and Baldin Laboratory of High Energy Physics)
10:30	[54] The MPD-ITS project. Status and Perspectives.	CEBALLOS SANCHEZ, Cesar (JINR)
10:50	[181] Feasibility study for directed flow measurements in the BM@N experiment	MAMAEV, Mikhail (NRNU МЕРФІ)
11:00	[350] VARIATION OF THE SOURCE VELOCITY IN COLLISIONS OF 2.1 GeV PROTONS WITH GOLD TARGET	АВДЕЕВ, Сергей (ОИЯИ)
11:10	[11] Unstable nuclei $8\text{Be}$ and $9\text{B}$ and the Hoyle state in relativistic nuclear fragmentation	ZARUBIN, Pavel (Joint Institute for Nuclear Research)

**Neutrino physics and nuclear astrophysics: Neutrino physics - Second floor Hall (09:30 - 11:30)**

time	[id] title	presenter
09:30	[18] On the possibility of the Majorana nature of neutrinos	MONAKHOV, Vadim (Saint Petersburg State University)
09:50	[60] TUNED ELECTRON-NUCLEUS RESONANCE AS A TOOL OF PRODUCING THE $^{229}\text{Th}$ ISOMER	KARPESHIN, Fedor (Mendeleev Institute for Metrology)
10:10	[40] Capture of neutrinos from the accelerator by Iodine-127 nuclei	FAZLIAKHMETOV, Almaz (Kurchatov Institute, INR RAS)
10:25	[100] Применение кристаллов ZnSe в калибровочных экспериментах	СЕМЕНОВ, Сергей (Национальный исследовательский центр "Курчатовский Институт")
10:35	[78] Измерение квантинг-фактора $\alpha$ -частиц в теллурсодержащих жидких сцинтилляторах	SUSLOV, Ivan
10:45	[128] $\text{CaF}_2(\text{CaF}_2)$ scintillation neutrino detector with ultra-low energy threshold	STRIZHAK, Alexander (INR RAS)
11:00	[166] High-energy neutrino generation at jets from supermassive black holes	PROKOPEV, Konstantin (INR RAS)
11:15	[35] Поиск одно- и трех-нуклонных распадов $^{76}\text{Ge}$ в эксперименте GERDA	SMOLNIKOV, A.A. (JINR)

**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 (Moscow Economic School)

09:50	[309] Microscopic description of isoscalar giant monopole resonance in spherical nuclei	ARSENYEV, Nikolay (Bogoliubov Laboratory of Theoretical Physics, Joint Institute for Nuclear Research)
10:05	[76] Dipole electric and magnetic strengths in $^{156}\text{Gd}$	VISHNEVSKIY, Petr
10:20	[83] Spin-dipole strengths and neutron skin thickness of $^{90}\text{Zr}$ , $^{132}\text{Sn}$ , $^{208}\text{Pb}$	TOLOKONNIKOV, Sergei (National Research Centre "Kurchatov Institute")
10:40	[13] SOME FEATURES OF BETA-DECAY STRENGTH FUNCTION IN HALO NUCLEI	IZOSIMOV, Igor (Joint Institute for Nuclear Research)
11:00	[140] Muon capture measurements with Ba-136 target.	FOMINA, Maria (JINR)
11:15	[167] Investigation of low-energy spectrum in 250-260No chain	MARDYBAN, Mariia

**Coffee break - Buffet (11:30 - 12:00)****Heavy ion collisions at Intermediate and high energies - Conference Hall (12:00 - 14:00)**

time	[id] title	presenter
12:00	[24] NEGATIVE PION PHOTOPRODUCTION ON THE TENSOR-POLARIZED DEUTERON AT VEPP-3	GAUZSHTEIN, V.V.
12:20	[263] Photodisintegration of polarized deuteron. Status of the experiment at the VEPP-3 storage ring.	SHESTAKOV, Yuri (Budker Institute of Nuclear Physics of Siberian Branch Russian Academy of Sciences (BINP SB RAS))
12:40	[16] Relativistic equation for four-nucleon system	YUREV, Sergey (JOINT INSTITUTE FOR NUCLEAR RESEARCH)
12:55	[125] Covariance and noncovariance of relativistic spin equations	SILENKO, Alexander (Joint Institute for Nuclear Research)
13:10	[239] О проблеме происхождения массы нуклона	KOMAROV, Vladimir (JINR)
13:25	[87] Создание теоретической базы данных сечений редких ядерных процессов, рассчитанных в модели ядерных реакций кваркового уровня CHIPS	KOSOV, Mikhail (Dukhov Automatic Research Institute (VNIIA))
13:40	[361] Dualities in heavy-ion collisions	TERYAEV, Oleg (JINR)
13:50	[230] Magnetic moment and polarizability of the vector strange mesons from lattice QCD	TERYAEV, Oleg (Joint Institute for Nuclear Research)

**Neutrino physics and nuclear astrophysics: Neutrino physics - Second floor Hall (12:00 - 14:00)**

time	[id] title	presenter
12:00	[254] STATUS AND RESULTS FROM NUGEN EXPERIMENT AT KALININ NUCLEAR POWER PLANT	ЛУБАШЕВСКИЙ, Алексей (JINR)
12:20	[243] Investigation of reactor antineutrino in the DANSS experiment	ZHITNIKOV, Igor (JINR)
12:40	[288] A search for correlation of neutrino events in the Borexino detector with transient astrophysical phenomena.	UNZHAKOV, Evgeniy (Petersburg Nuclear Physics Institute - NRC Kurchatov Institute)
13:00	[293] Search for Sterile Neutrino with the Daya Bay full dataset	ZAVADSKYI, Vitalii (JINR)

13:20	[313] Classification of tau-neutrino events in the Scattering and Neutrino Detector using kinematic information	GULIAEVA, Vasilisa (MSU, MUST MISIS)
13:40	[67] ACTIVE AND STERILE NEUTRINO OSCILLATIONS INSIDE THE SUN IN A PHENOMENOLOGICAL (3+1+2)-MODEL	KHRUSCHOV, Viacheslav (NRC Kurchatov Institute)

### **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 (Petersburg Nuclear Physics Institute, NRC Kurchatov Institute, Gatchina, Russia)
12:20	[290] In-source laser photoionization spectroscopy of heavy ( $N > 126$ ) Bi isotopes	SELIVERSTOV, Maxim (Petersburg Nuclear Physics Institute, NRC Kurchatov Institute, Gatchina, Russia)
12:40	[82] Nuclear electromagnetic moments and radii near $N = 126$ neutron shell	BORZOV, Ivan (NRC KI and JINR)
13:00	[119] Evolution of neutron shell structure of $N = 14, 16$ isotones	BESPALOVA, Olga (Scobeltsyn Institute of Nuclear Physics, Lomonosov Moscow State University)
13:20	[187] Single-particle structure of mirror nuclei near ${}^{48}\text{Ni}$	KLIMOCKINA, Anna (Physics Department of Lomonosov Moscow State University; Scobeltsyn Institute of Nuclear Physics of Lomonosov Moscow State University)
13:40	[203] Investigation of $1^+$ excitations in light and medium nuclei within shell model	ONEGIN, Mikhail (Petersburg Nuclear Physics Institute of NRC KI)

### **Lunch (14:00 - 15:00)**

### **Design of new experimental facilities - Conference Hall (15:00 - 17:00)**

time	[id] title	presenter
15:00	[55] IP vertexing – a novel idea	DIMA, Maria (JINR - MLIT)
15:15	[39] Microtron based VEGA-m spectrometer for study of the shape isomers decays.	SOLODOV, Alexey (JINR FLNR)
15:30	[71] Misalignment influence on the track reconstruction in the MPD TPC	KUZMIN, Valentin (NIINP Moscow State University)
15:45	[129] Detector setup optimization based on training artificial neural-networks	GALAKTIONOV, Kirill (Saint Petersburg State University)
16:00	[200] Исследование наноглеродных центров спонтанной эмиссии на катодах многопроволочных пропорциональных камер мюонных детекторов LHCb	DZYUBA, Alexey (NRC «Kurchatov Institute» - PNPI)
16:15	[189] Integration of the HGND readout into the B@MN experiment data acquisition system	FINOGEEV, Dmitry (INR RAS)



16:30	[349] Экспериментальное обоснование необходимости исследования радиационных свойств материалов: графит, тантал, висмут, золото, уран, торий, актиниды, ленты втсп, с целью создания технологий для работы реакторов работающих в электроядерном (АДС) варианте.	СТЕГАЙЛОВ, Владимир (ОИЯИ)
16:45	[222] Cryogenic gas stopping cell testing with alpha source and Monte Carlo simulations	NOVOSELOV, Aleksey (FLNR JINR)

### **Neutrino physics and nuclear astrophysics: Astrophysics - Second floor Hall (15:00 - 17:00)**

time	[id] title	presenter
15:00	[164] NUCLEOSYNTHESIS IN A LOW-MASS NEUTRON STAR CRUST. STRIPPING MODEL.	IGNATOVSKIY, Anton (MIPT; Kurchatov Institute - ITEP)
15:15	[334] Ricci-Gauss-Bonnet gravity, cosmology, and nuclear astrophysics	POKROVSKY, Yury (National Research Center "Kurchatov Institute")
15:30	[245] Об особенностях гиперонных взаимодействий в нейтронных звездах	MIKHEEV, Semyon (Skobeltsyn Institute of Nuclear Physics (SINP MSU), Moscow)
15:50	[318] Neutrino magnetic moments and high-energy neutrinos flavour composition	POPOV, Artem (Moscow State University)
16:05	[321] SATURNE: Current Status and Physics Potential	KOUZAKOV, Konstantin (Lomonosov Moscow State University)
16:25	[41] The Signature of Neutron Fluences of the Artificial Pulse Nucleosynthesis	LYASHUK, Vladimir (Institute for Nuclear Researches of the Russian Academy of Sciences, Moscow)
16:45	[357] Effects of neutrino electromagnetic properties and spin state in elastic neutrino-nucleon scattering	LAZAREV, Fedor (MSU)

### **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 (Bogoliubov Laboratory of Theoretical Physics, Joint Institute for Nuclear Research, Dubna)
15:20	[146] Separable forces approximation in the generalized theory of finite fermi systems.	KAMERDZHIEV, Сергей (Kurchatov Institute)
15:40	[348] ИССЛЕДОВАНИЕ СВОЙСТВ УРОВНЕЙ НЕЧЕТНО-НЕЧЕТНОГО ЯДРА ГОЛЬМИЯ С А=160.	СТЕГАЙЛОВ, Владимир (ОИЯИ)
15:55	[298] Appearance of superconducting pair correlations in spherical even-even nuclei	KUZ'MIN, Vladimir (BLTPh, JINR)
16:10	[336] Модифицированные массовые соотношения GKT и GKL	СТОПАНИ, Константин (Научно-исследовательский институт ядерной физики им. Д. В. Скобельцына)
16:25	[107] СРАВНЕНИЕ МЕТОДОВ ДИАГНОАЛИЗАЦИИ ГАМИЛЬТОНИАНА БКШ С ТОЧНЫМ СОХРАНЕНИЕМ ЧИСЛА ЧАСТИЦ	VLASNIKOV, Alexandr (St.Petersburg State University)
16:40	[99] ZEEMAN EFFECT IN NUCLEI	BALBUTSEV, Evgeny (JINR)

**Coffe break - Buffet (17:00 - 17:30)****Design of new experimental facilities - Conference Hall (17:30 - 18:55)**

time	[id] title	presenter
17:30	[311] The first results of test of the SPD Beam-Beam Counter scintillation detector prototype	TISHEVSKY, Aleksey (JINR)
17:45	[228] Performance of the Time-of-flight system at the BM@N experiment	ZHAVORONKOVA, Irina (JINR)
18:00	[229] Экспериментальная установка для прецизионного измерения зарядового радиуса протона	GAVRILOV, Gennadii (PNPI NRC "Kurchatov Institute")
18:15	[255] Front-end electronics and mechanical design of the HGND for BM@N experiment	МАХНЕВ, Aleksandr (INR of RAS)
18:30	[294] About the efficiency of the Electron Beam Ion Sources and Traps (EBIS/T)	РАМЗДОРФ, Александр (JINR)
18:45	[306] ПРИМЕНЕНИЕ МИКРОСТРИПОВЫХ КРЕМНИЕВЫХ ДЕТЕКТОРОВ ДЛЯ ИССЛЕДОВАНИЯ РАСПАДОВ С ИСПУСКАНИЕМ ПРОТОНОВ	ХАМИДУЛЛИН, Булат (Joint Institute For Nuclear Research)

**Neutrino physics and nuclear astrophysics: Astrophysics - Second floor Hall (17:30 - 18:40)**

time	[id] title	presenter
17:30	[154] The Fayans energy-density functional in applications to neutrons stars	KOLOMEITSEV, Evgeni (BLTP, JINR, Dubna and Matej Bel University, Slovakia)
17:50	[126] Neutrinos from dynamo-driven supernovae	KONDRATYEV, Vladimir (BLTP JINR)
18:10	[69] Crust of accreting neutron stars	CHUGUNOV, A.I. (Ioffe Institute)

**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 (JINR BLTP)
17:50	[341] Spectroscopy of transfermium elements @GRAND/SHELS	TEZEKBAYEVA, M.S. (Joint Institute for Nuclear Research)
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 (Lomonosov Moscow State University, Joint Institute for Nuclear Research)
18:40	[371] Size, shape and deformation of nuclei	MUSULMANBEKOV, Genis (Joint Institute for Nuclear Research)

**Poster session - Hall (18:55 - 20:55)**

**четверг, 4 июля 2024 г.****Plenary - Conference Hall (09:30 - 11:00)**

time	[id] title	presenter
09:30	[301] The Tagged Neutron Method and its Application for Nuclear Physics Studies and Applied Research	KOPATCH, Yuri (Joint Institute for Nuclear Research)
10:00	[56] Manifestation of chaos in nuclear structure phenomena	NAZMITDINOV, Rashid (BLTP, JINR&lt; Dubna)
10:30	[224] БАЗА ДАННЫХ И СИСТЕМАТИКА МАГНИТНЫХ МОМЕНТОВ ЯДЕР	МИТРОПОЛЬСКИЙ, Иван (Петербургский институт ядерной физики им.Б.П.Константинова НИЦ Курчатовский институт)

**Coffee break - Buffet (11:00 - 11:30)****Plenary - Conference Hall (11:30 - 13:00)**

time	[id] title	presenter
11:30	[317] Electromagnetic neutrinos: The basic interaction processes and constraints from laboratory experiments and astrophysics.	STUDENIKIN, Alexander (Department of Theoretical Physics, Moscow State University)
12:00	[218] The JUNO Experiment: Current Status and Prospects	ANFIMOV, Nikolay (Joint Institute for Nuclear Research)
12:30	[75] Pre-supernova (anti)neutrino emission via weak processes with hot nuclei	DZHIOEV, Alan (Joint Institute for Nuclear Research, Bogoliubov Laboratory of Theoretical Physics)

**Excursion along the Volga River by boat (13:00 - 18:00)****Banquet (18:15 - 21:00)**

**пятница, 5 июля 2024 г.****Plenary - Conference Hall (09:30 - 11:00)**

time	[id] title	presenter
09:30	[117] MODERN DETECTOR TECHNOLOGIES FOR NUCLEAR PHYSICS EXPERIMENTS AND DIAGNOSTIC STUDIES IN NUCLEAR MEDICINE	ZHEREBCHEVSKY, Vladimir (Saint-Petersburg State University)
10:00	[368] Modern nuclear physics research in radiation medicine	CHERNYAEV, Alexander (Department of Physics, Lomonosov Moscow State University)
10:30	[363] The MONUMENT (Muon Ordinary capture for the NUClear Matrix elemENTS in $\beta\beta$ decays) project's overview and advantages	SHIRCHENKO, Mark (Joint Institute for Nuclear Research)

**Coffee break - Buffet (11:00 - 11:30)****Plenary - Conference Hall (11:30 - 12:50)**

time	[id] title	presenter
11:30	[205] High-Granular Time-of-Flight Neutron Detector HGND for the BM@N experiment	MOROZOV, Sergey (Institute for Nuclear Research RAS)
12:00	[124] Heavy-ion physics results by the CMS experiment	PETRUSHANKO, Sergey (M.V.Lomonosov Moscow State University, Skobeltsyn Institute of Nuclear Physics)
12:30	[369] ПАК для поиска и идентификации гамма-излучающих нуклидов на основе машинного обучения - результаты 2022-2024 годов.	БРЕДИХИН, И.С. (ООО "Гамматек")

**Lunch (12:50 - 13:50)****Experimental and theoretical studies of nuclear reactions - Conference Hall (13:50 - 15:20)**

time	[id] title	presenter
13:50	[308] Исследование альфа кластерных структур в ядре $^{46}\text{Ti}$	ISSATAYEV, Talgat (JINR,FLNR)
14:10	[176] TARGET DEPENDENCE OF THE ISOTOPE DISTRIBUTIONS IN HEAVY-ION REACTIONS AT FERMI ENERGIES	MIKHAYLOVA, Tatiana (LIT, JINR)
14:25	[305] Study of the Coulomb decay of light fragment produced in the ternary fission of $^{252}\text{Cf}$	ПАРФЕНОВА, Юлия (Joint Institute for Nuclear Research)
14:40	[195] Detection system of the DGFRS-2 setup: first applications in long term irradiations with intense heavy ion beams at DC-280 cyclotron	TSYGANOV, Yury (JINR)
15:00	[302] Study of the break-up of fission fragments in solid-state foils using double-hit experimental approach	KAMANIN, Dmitry (Joint Institute for Nuclear Research)

**Closing - Conference Hall (15:20 - 15:50)**