Nucleus-2022

Conference Program

https://events.sinp.msu.ru/e/nucleus2022
nucleus2022@sinp.msu.ru

Day1	9:15	10:00	10:30	11:40	12:00	13:45		15:10	16:55	17:15	19:15
July 11, Mon 11 июля, пн	**Registration** Регистрация	**Opening Ceremony** Церемония открытия	**Special Lecture** Специальная лекция	**Coffee-break** Перерыв	**Plenary session** Пленарные доклады	**Lunch** Обед		**Plenary session** Пленарные доклады	**Coffee-break** Перерыв	**Plenary session** Пленарные доклады	**Welcome party** Приветственная вечеринка
	9:00-15:00 Stone Museum of Moscow State University named after M.V. Lomonosov Музей камня МГУ им.М.В. Ломоносова										

Day2	10:00	11:40	12:10	14:00		15:00	16:40	17:10-19:00	19:00-20:30
July 12, Tue 12 июля, вт	**Oral session** Секционные заседания	**Coffee-break** Перерыв	**Oral session** Секционные заседания	**Lunch** Обед		**Oral session** Секционные заседания	**Coffee-break** Перерыв	**Oral session** Секционные заседания	**Botanical Garden of Moscow State University on Sparrow Hills** Ботанический сад МГУ на Воробьевых горах
	14:00-15:00 Museum of History of Moscow University Музей истории Московского университета								

Day3	10:00	11:30	13:50		15:00	16:40	17:10-19:00	19:00-22:00
July 13, Wed 13 июля, ср	**Poster session** Постеры	**Plenary session** Пленарные доклады	**Lunch** Обед		**Oral session** Секционные заседания	**Coffee-break** Перерыв	**Oral session** Секционные заседания	**Sightseeing bus tour "Moscow invites you on a date" with a ride on the cable car** Обзорная автобусная экскурсия «Москва приглашает на свидание» с поездкой по канатной дороге

Day4	10:00	11:30	12:00	14:00		15:00	16:40	17:10-19:00	19:30-22:30
July 14, Thu 14 июля, чт	**Plenary session** Пленарные доклады	**Coffee-break** Перерыв	**Plenary session** Пленарные доклады	**Lunch** Обед		**Oral session** Секционные заседания	**Coffee-break** Перерыв	**Oral session** Секционные заседания	**Banquet** Банкет
	14:00-15:00 Space Museum and Center for Space Weather Forecasting SINP MSU Музей Космоса и центр прогноза космической погоды НИИЯФ МГУ								

Day5	10:00	11:40	12:10	13:50		15:00	16:40	17:10-19:00	
July 15, Fri 15 июля, пт	**Oral session** Секционные заседания	**Coffee-break** Перерыв	**Oral session** Секционные заседания	**Lunch** Обед		**Oral session** Секционные заседания	**Coffee-break** Перерыв	**Oral session** Секционные заседания	
	14:00-15:00 Scientific and Educational Museum of Geography of Moscow State University named after M.V. Lomonosov Научно-учебный Музей Землеведения МГУ имени М.В. Ломоносова								

Day6	10:00	12:20	12:50-15:15	
July 16, Sat 16 июля, сб	**Plenary session** Пленарные доклады	**Coffee-break** Перерыв	**Plenary session** Пленарные доклады	

July 11, Mon
11 июля, пн

Lomonosovsky Prospekt, 27-4
Ломоносовский пр., д.27, к.4 (Шуваловский корпус)

9:15-10:00	**Registration** Регистрация	
10:00-10:30	**Opening ceremony** Церемония открытия	
10:30-11:05	**Special Lecture 1** Специальная лекция 1	
	LIMITS OF NUCLEAR MASSES AND ELEMENTS	**Prof. Yu.Ts. Oganessian**
11:05-11:40	**Special Lecture 2** Специальная лекция 2	
	NUCLEAR PHYSICS FOR THE WORLD ECONOMY	**Prof. Alexander Chernyaev, Ekaterina Lykova, Polina Borschegovskaya, Marina Zheltonozhskaya** (MSU, SINP MSU)
11:40-12:00	**Coffee-break** Перерыв	
12:00-13:45	**Plenary session** Пленарные доклады	
12:00	**NICA MEGASCIENCE PROJECT AT JINR: STATUS AND PLANS**	**Prof. Igor Meshkov** (JINR Dubna Russia)
12:35	**DEEP-UNDERWATER NEUTRINO TELESCOPE BAIKAL-GVD**	**Prof. Grigory Domogatsky** (INR RAS)
13:10	**PECULIARITIES OF STRUCTURE OF WEAKLY BOUND LITHIUM NUCLEI (A = 6-11) AND NUCLEAR REACTION MECHANISMS AT LOW ENERGIES**	**Prof. Kairat Kuterbekov** (L.N.Gumilyov Eurasian National University, Faculty of Physics and Technical Sciences)
13:45-15:10	**Lunch** Обед	

15:10-16:55	**Plenary session** Пленарные доклады	
15:10	**SOME HIGHLIGHTS OF RESEARCH ON HEAVY ION COLLISIONS BY ALICE AT LHC**	**Grigory Feofilov** (Saint-Petersburg State University)
15:45	**GEANT4 STATUS AND APPLICATIONS: FROM HEP TO NUCLEAR MEDICINE**	**Prof. Vladimir Ivantchenko** (Tomsk State University)
16:20	**STRUCTURE OF HEAVY NUCLEI AND NUCLEON-NUCLEON INTERACTION**	**Rostislav Jolos**
16:55-17:15	**Coffee-break** Перерыв	
17:15-19:00	**Plenary session** Пленарные доклады	
17:15	**NUCLEAR STRUCTURE ACROSS THE ENERGY SCALES FROM MICROSCOPIC EFFECTIVE THEORIES**	**James P. Vary**
17:50	**ANALYTIC CONTINUATION OF EXPERIMENTAL DATA ON SCATTERING AND REACTION PROCESSES AS A WAY TO OBTAIN INFORMATION ON CHARACTERISTICS OF BOUND NUCLEAR STATES**	**Leonid Blokhintsev** (SINP MSU)
18:25	**TWO-COORDINATE GAS-DISCHARGE NEUTRON DETECTORS BASED ON RUSSIAN DIGITAL ELECTRONICS**	**A.V. Pashkov** (Detectron LLC)

18:35	**AVAILABLE ELECTRONICS FOR A SCIENTIFIC EXPERIMENT IN 2022 AND ITS DEVELOPMENT IN RUSSIA**	**I.S. Bredikhin** (Gammatech LLC)
19:15-21:00	**Welcome party** Приветственная вечеринка	

July 12, Tue

12 июля, вт

10:00-19:00	**Oral session** Секционные заседания

Section 1 - Nuclear structure: theory and experiment

Секция 1 - Структура ядра: теория и эксперимент

Leninskiye Gory, 1-2 (Faculty of Physics, room 5-19)
Ленинские горы, д.1, с.2 (Физический факультет, ауд. 5-19)

10:00	FIRST EXPERIMENT AT THE SUPER HEAVY ELEMENT FACTORY. NEW DATA IN THE 243AM + 48CA REACTION	Nikita Kovrizhnykh
	DETAILED STUDY OF RADIOACTIVE DECAY PROPERTIES OF NOBELIUM ISOTOPES WITH α, β, γ -SPECTROSCOPY METHOD	Mereigul Tezekbayeva
	THE MULTIPLICITY OF NEUTRONS OF SPONTANEOUS FISSION OF 250NO OBTAINED IN COMPLETE FUSION REACTIONS WITH HEAVY IONS AT THE SHELS SEPARATOR	Bekzat Sailaubekov
	NEUTRON MULTIPLICITY DISTRIBUTIONS FOR 250NO SPONTANEOUS FISSION FROM GROUND STATE OR AT THE DECAY OF THE ISOMERIC STATE	Roman Mukhin
	STUDY OF THE 242PU + 48CA AND 238U + 48CA REACTIONS AT DGFRS-II	Dastan Ibadullayev
11:40-12:10	**Coffee-break** Перерыв	
12:10	POSSIBLE ROTATIONAL STRUCTURE OF ^{13}C LOW-LYING EXCITED STATES	Andrey Danilov
	SIZE ISOMERS IN LIGHT NUCLEI	Alla Demyanova
	STUDY OF EXCITED STATES IN ATOMIC NUCLEI 46TI AND 45TI IN REACTIONS WITH 3HE BEAM AT 29 MEV	Nikolay Skobelev

	^{8}HE SPECTROSCOPY IN STOPPED PION ABSORPTION REACTION	Tatiana Leonova
	EXPERIMENTAL MANIFESTATION OF THE STRONG NUCLEAR INTERACTION IN THE OPTICAL SPECTRA OF SOLIDS	Vladimir Plekhanov
14:00-15:00	**Lunch** Обед	
15:00	ANALYSIS OF M1 EXCITATIONS IN ^{28}SI USING INELASTIC PROTON SCATTERING	Mikhail Onegin
	STUDY OF 209BI(γ,xn) REACTIONS IN ENERGY REGION UP TO 100 MEV	Mikhail Demichev
	FIRST TESTS ON GRAND SET-UP	Alena Kuznetsova
	PRECISION MEASUREMENT OF THE PROTON CHARGE RADIUS IN AN ELECTRON–PROTON SCATTERING EXPERIMENT	Alexander Vasilyev
	DIRECT ONE-NEUTRON DECAY OF THE ISOSCALAR GIANT DIPOLE RESONANCE IN MEDIUM-HEAVY SPHERICAL NUCLEI: A SEMI-MICROSCOPIC DESCRIPTION	Mikhail Gorelik
16:40-17:10	**Coffee-break** Перерыв	
17:10	MULTI-STEP NEUTRON EMISSION PROBABILITIES IN HEAVIEST NUCLEI	Azam Rahmatinejad
	THE HALF-LIFE OF 229mTH ISOMERS IN ACID SOLUTION	Vladimir Koltsov
	NATURAL WIDTHS OF ATOMIC LEVELS IN THORIUM DETERMINED BY THE ICES METHOD	Anvar Inoyatov
	EXPERIMENTAL INVESTIGATIONS OF THE 9.2, 15.1, AND 24.3 KEV NUCLEAR TRANSITIONS IN 227TH AND CONSEQUENCES OF THEIR RESULTS FOR SPIN-PARITY ASSIGNMENTS TO LOW-LYING STATES OF 227TH	Anvar Inoyatov
	OCTUPOLE EXCITATIONS IN 238U	Pazlitdin Usmanov

July 12, Tue
12 июля, вт

	K-FORBIDDEN M1-TRANSITIONS IN 156Gd	Pazlitdin Usmanov

Section 2 - Experimental and theoretical studies of nuclear reactions: NR1

Секция 2 - Экспериментальные и теоретические исследования ядерных реакций: NR1

Leninskiye Gory, 1-2 (Faculty of Physics, SFA)
Ленинские горы, д.1, с.2 (Физический факультет, СФА)

10:00	OBSERVATION OF THE SHAPE ISOMER STATES IN FISSION FRAGMENTS FROM (γ, f) REACTIONS	Dmitry Kamanin
	INFLUENCE OF THE ENTRANCE CHANNEL ASYMMETRY ON THE FISSION PROPERTIES OF EXCITED 180HG NUCLEI	Kirill Kulkov
	PHOTOFISSION OF 238U IN THE ENERGIES RANGE OF GIANT DIPOLE RESONANCE	Omar Albaghdadi
	FISSION MODES IN 238NP POPULATED BY 6LI+232TH	Tathagata Banerjee
11:40-12:10	**Coffee-break** Перерыв	
12:10	ENERGY DEPENDENCE OF TOTAL REACTION CROSS SECTIONS FOR ISOTOPES OF BE ON TARGETS ^{28}SI, ^{59}CO, ^{181}TA	Sergey Stukalov
	ASYMPTOTIC NORMALIZATION COEFFICIENTS AND THE NEUTRON WIDTHS FOR ^{30}SI+N $\TO ^{31}$SI FROM THE PERIPHERAL ^{30}SI(D,P)^{31}SI REACTION	Erkinjon Ikromkhonov
	CRYOGENIC GAS CATHER STOPPING ENERGY EFFICIENCY SIMULATION	Alena Kohoutova
	SIMULATED AND EXPERIMENTAL CHARACTERISTICS OF A GAS-FILLED RECOIL SEPARATOR DGFRS-II	Dmitriy Solovyev
	COMPARISON BETWEEN ELASTIC SCATTERING OF STRONGLY BOUND A PARTICLES AND EXOTIC 6HE ON A 12C TARGET AND THE EFFECT OF THE TWO-NEUTRON HALO OF 6HE	Ahmed Amer

14:00-15:00	**Lunch** Обед	
15:00	MEASUREMENT OF FISSION CROSS SECTION AND ANISOTROPY OF ANGULAR DISTRIBYTIONS OF FISSION FRAGMENTS FROM NEUTRON-INDUCED FISSION OF 236U IN INTERMEDIATE ENERGY RANGE 1-200 MEV	Alexander Vorobyev
	RESULTS OF SIMULATION OF TOTAL AND DIFFERENTIAL CROSS SECTIONS FOR 236U FISSION BY NEUTRONS WITH ENERGY UP TO 200 MEV	Alexey Barabanov
	PROMPT FISSION NEUTRONS INVESTIGATION AT IREN IN RESONANCE NEUTRON ENERGY RANGE	Shakir Zeynalov
	PROMPT FISSION NEUTRON SPECTRA OF 235U AND 239PU	Vladimir Maslov
16:40-17:10	**Coffee-break** Перерыв	
17:10	ASYMMETRY EFFECTS MODELLING IN SLOW NEUTRONS INDUCED PROCESSES ON 35CL NUCLEUS	Alexandru Ioan Oprea
	ESTIMATİON OF THE REACTION CROSS SECTION LI(n,α)T	Bakhtiyar Najafov
	TALYSLIB: A ROOT-BASED TOOLKIT FOR NUCLEAR DATA ACCESS	Nikita Fedorov
	THE METHOD AND SET UP FOR THE MEASUREMENT OF DELAYED NEUTRON TEMPORAL CHARACTERISTICS FOR THE FISSION OF HEAVY NUCLEI IN THE COMPLEX PRIMARY NEUTRON FIELDS	Dmitrii Gremyachkin
	SEGMENTED HPGE DETECTOR FOR NUCLEAR REACTIONS RESEARCH	Артём Быстряков

Section 2 - Experimental and theoretical studies of nuclear reactions: NR2

Секция 2 - Экспериментальные и теоретические исследования ядерных реакций: NR2

Leninskiye Gory, 1-2 (Faculty of Physics, CFA)
Ленинские горы, д.1, с.2 (Физический факультет, ЦФА

10:00	TIME-DEPENDENT MICROSCOPIC DESCRIPTION OF FAST ALPHA PARTICLES EMITTED IN NUCLEUS-NUCLEUS COLLISIONS	Viacheslav Samarin
	SUB COULOMB BARRIER D+208PB SCATTERING IN THE TIME-DEPENDENT BASIS FUNCTION APPROACH	Peng Yin, Xingbo Zhao, James P. Vary
	VELOCITY DISTRIBUTIONS OF PROJECTILE-LIKE FRAGMENTS IN FRAGMENTATION REACTIONS AT FERMI ENERGIES	Tatiana Mikhailova
	INFLUENCE OF CLUSTER STRUCTURE TO THE MECHANISM OF NUCLEAR REACTIONS	Talgat Issatayev
	MODELLING OF THE CLUSTER FORMATION IN HEAVY NUCLEI FISSION	Anna Unzhakova
11:40 - 12:10	**Coffee-break** Перерыв	
12:10	NEW MODES OF COLLINEAR CLUSTER TRI-PARTITION OF ^{252}CF(SF)	Yuri Pyatkov
	YIELDS AND ENERGY DISTRIBUTIONS OF α-PARTICLES IN SPONTANEOUS TERNARY NUCLEAR FISSION	Larisa Titova
	TIME-PICKOFF METHOD TO THE PIN DIODE SIGNAL BASED ON THE MATHEMATICAL FORMALISM OF SUBJECTIVE MODELING	Olesya Falomkina
	PROBLEMS OF DESCRIPTION OF P-EVEN T-ODD ASYMMETRIES IN NUCLEAR FISSION REACTIONS WITH THE EMISSION OF LIGHT PARTICLES IN THE FRAMEWORK OF THE SEMICLASSICAL APPROACH	Dmitrii Lyubashevsky
14:00-15:00	**Lunch** Обед	
15:00	STUDY OF THE 16O(ALPHA, ALPHA)16O(3–) AND 15N(ALPHA, T)16O(3–) REACTIONS MECHANISM AT E_ALPHA = 30.3 MEV	Natali Zelenskaya

	STUDY OF MUON CATALYZED 3HED FUSION	I. Solovyev
	THUNDERSTORM FLASHES AS THE MECHANISM OF 14C RADIOISOTOPE GENERATION	Vladimir Lyashuk
	TIME-DEPENDENT DESCRIPTION OF THE REACTION ^{28}SI(^{11}BE,^{10}BE) AT LOW ENERGIES	Aidos Azhibekov
16:40-17:10	**Coffee-break** Перерыв	
17:10	OPTICAL MODEL ANALYSIS OF PROTON ELASTIC SCATTERING ON 6LI NUCLEI WITH RESONANCE CONTRIBUTION	S. M. Selyankina, S. M. Selyankina
	ELASTIC PROTON SCATTERING BY NUCLEI 7BE AND 8B AT ENERGY 700 MEV	Onlassyn Imambek
	PROTON INDUCES PROCESSES ON STRONTIUM ISOTOPES	Cristiana Oprea
	ANALYSIS OF CLUSTER RADIOACTIVITY USING Q-VALUE DEPENDENT RELATIVE SEPARATION	Chahat Jindal, Nitin Sharma, Manoj Kumar Sharma

Section 3 - Intermediate and high energies, heavy ion collisions

Секция 3 - Промежуточные и высокие энергии, столкновения тяжелых ионов

Leninskiye Gory, 1-2 (Faculty of Physics, room 3-13)
Ленинские горы, д.1, с.2 (Физический факультет, ауд. 3-13)

10:00	ENERGY DEPENDENCE OF TRIANGULAR FLOW FOR IDENTIFIED HADRONS IN AU+AU COLLISIONS AT $\SQRT{S_{NN}} = 14.5 - 62.4$ GEV FROM THE STAR EXPERIMENT	Alexey Povarov
	GLOBAL POLARIZATION OF Λ AND Ξ HYPERONS IN AU+AU COLLISIONS IN THE STAR EXPERIMENT	Egor Alpatov

	PION FEMTOSCOPY IN AU+AU COLLISIONS AT SQRT(SNN) = 3 GEV IN THE STAR EXPERIMENT	Anna Kraeva
	FEMTOSCOPIC PROBES IN COLLISIONS OF SMALL AND LARGE SYSTEMS FROM STAR	Grigory Nigmatkulov
	STUDY OF NCQ SCALING OF ELLIPTIC AND TRIANGULAR FLOW FOR IDENTIFIED HADRONS IN AU+AU COLLISIONS AT $\SQRT{S_{NN}} = 11.5 - 200$ GEV	Aleksandr Demanov
11:40-12:10	**Coffee-break** Перерыв	
12:10	DIRECT PHOTON AND NEUTRAL MESON PRODUCTION RESULTS FROM ALICE EXPERIMENT	Dmitry Blau
	PRODUCTION OF Σ0 HYPERON AND SEARCH OF Σ0-HYPERNUCLEI AT LHC WITH ALICE	Alexander Borissov
	SEARCHES FOR NEW PHYSICS WITH ULTRA-PERIPHERAL COLLISIONS AT THE LHC	Nazar Burmasov
	PROBING THE HOT QCD MATTER VIA QUARKONIA AT THE NEXT-GENERATION HEAVY-ION EXPERIMENT AT LHC	Yuri Kharlov
	PERFORMANCE OF THE PRECISE ELECTROMAGNETIC CALORIMETER ALICE/PHOS AND UPGRADE PLANS	Dmitri Peresunko
14:00-15:00	**Lunch** Обед	
15:00	FIRST MEASUREMENT OF THE FORWARD RAPIDITY GAP DISTRIBUTION IN PROTON-LEAD COLLISIONS AT LHC ENERGY $\SQRT{S_{\MATHRM{NN}}} = 8.16\MATHRM{~TEV}$ WITH THE CMS EXPERIMENT	Dmitry Sosnov
	SEARCHES FOR NEW PHYSICS IN THE DILEPTON CHANNEL WITH THE CMS DETECTOR AT THE LHC	Ilia Zhizhin
	SEARCHES FOR LONG-LIVED PARTICLES IN CMS EXPERIMENT	Vladislav Shalaev

	MODEL STUDY OF THE ENERGY DEPENDENCE OF THE CORRELATION BETWEEN ANISOTROPIC FLOW AND THE MEAN TRANSVERSE MOMENTUM IN AU+AU COLLISIONS	Petr Parfenov
	GEANT4 FTF MODEL DESCRIPTION OF THE NA61/SHINE COLLABORATION DATA ON STRANGE PARTICLE PRODUCTION IN PP-INTERACTIONS	Vladimir Uzhinskii
16:40-17:10	**Coffee-break** Перерыв	
17:10	MEASUREMENT OF NEUTRAL PION PRODUCTION IN AG+AG COLLISIONS AT 1.23 AGEV BEAM ENERGY AT THE HADES EXPERIMENT	Arseniy Shabanov
	STUDY OF CHARGED SPECTATORS MULTIPLICITY DISTRIBUTIONS IN NUCLEUS-NUCLEUS REACTIONS AT THE HADES EXPERIMENTS	Irina Yumatova
	TEST OF FULL PSD READOUT CHAIN AT THE MCBM	Dmitry Finogeev
	UPGRADE OF PROJECTILE SPECTATOR DETECTOR AT NA61/SHINE EXPERIMENT	Sergey Morozov
	MCDST: A UNIFIED STORAGE FORMAT FOR HEAVY ION COLLISION SIMULATED DATA	Ekaterina Kuzina

Section 6 - Applications of nuclear methods in science and technology

Секция 6 - Применение ядерных методов в науке и технике

Leninskiye Gory, 1-2 (Faculty of Physics, room 5-42)
Ленинские горы, д.1, с.2 (Физический факультет, ауд. 5-42)

10:00	CONTACTS FOR SELF-SCANNING SIC ENERGYCONVERTERS IN NANO-MICROWATTS RANGE	Mikhail DOLGOPOLOV
	FLEXIBLE SCENARIO FOR BACKGROUND SUPPRESSION IN HEAVY ELEMENT RESEARCH	Yury Tsyganov
	LOOKING FOR AN ELECTRON BRIDGE IN 229MTH	Andrey Popov
	CONJUGATE OBJECTS IN QUANTUM COMMUNICATION	Айрат Ситдиков
	PERSPECTIVES OF INORGANIC SCINTILLATOR GAGG APPLICATION FOR PRECISION ELECTROMAGNETIC CALORIMETRY	Dmitry Averyanov
11:40-12:10	**Coffee-break** Перерыв	
12:10	CALIBRATION OF RADIOISOTOPE DEVICES	Ulugbek Ashrapov
	TO TESTING OF THRESHOLD SILICA AEROGEL CHERENKOV DETECTORS ON COSMIC RAYS	Leonid Dzhilavyan
	RELATION OF GAMMA-IRRADIATED NA-BENTONITE CLAY MINERALOGY TO ORIGIN OF GUNASHLI PETROLEUM	Mustafayev
	EVIDENCE OF RADIOCATALYTIC ACTION IN GENERATION OF GUNASHLI PETROLEUM	Ismayilova
	VALIDATION OF NUCLEAR DE-EXCITATION MODELS OF GEANT4 TOOLKIT	Roman Nepeivoda
14:00-15:00	**Lunch** Обед	
15:00	TARGET DESIGN FOR EXPERIMENTAL INVESTIGATION OF ADS WITH PROTON AND LIGHT ION BEAMS	Mihaela Paraipan
	ESTIMATION OF THE DEGREE OF AGREEMENT OF EMPIRICAL RANDOM VECTORS USING CENTRAL MOMENT FUNCTIONS	Victor Vakhtel, Daniil Kostomakha
	METHOD FOR PROCESSING AND ANALYSIS OF HOMOGENEITY OF LARGE SETS OF SMALL-VOLUME SAMPLES OF LOW-INTENSITY RADIATION STREAMS	Victor Vakhtel
	THERMOLUMINESCENCE TRAPPING PARAMETERS OF IRRADIATED K-FELDSPAR	Sahib Mammadov

	SIMPLE EXPLANATION OF THE EXPERIMENTAL 57FE MÖSSBAUER ISOMER SHIFT OF IRON COMPOUNDS	Sergey Dedushenko
	SEARCH CRITERIA FOR MINERAL DEPOSITS IN THE ZONES OF MODERN AND ANCIENT VOLCANISM ON URANIUM AND THORIUM AND THEIR FISSION PRODUCTS	Adil Yafyasov
16:40-17:10	**Coffee-break** Перерыв	
17:10	HIGH ENERGY IONOLUMINESCENCE DECAY IN AL2O3	Askar Issatov
	INFINITE ELECTRON OSCILLATIONS NEAR THE CELL SEPARATOR IN THE SIMPLEST REACTOR	Daria Zemlianskaya
	RELATIVISTIC RUNAWAY ELECTRON AVALANCHE ACCELERATION IN COMPLEX THUNDERSTORM ELECTRIC STRUCTURES	Egor Stadnichuk
	МЕТОД СКАНИРОВАНИЯ ТОЛЩИНЫ ЧУВСТВИТЕЛЬНОГО СЛОЯ ПОЛУПРОВОДНИКОВЫХ SI-ДЕТЕКТОРОВ	Olim Bakhranov
	COMPTON SCATTERING OF ENTANGLED AND DECOHERENT ANNIHILATION PHOTONS	Sultan Musin

Section 8 - Nuclear technology and methods in medicine, radioecology

Секция 8 - Ядерные технологии и методы в медицине, радиоэкология

Leninskiye Gory, 1-5 (SINP MSU 19 building, room 2-15)
Ленинские горы, д.1, с.5 (19 корпус НИИЯФ МГУ, ауд. 2-15)

10:00	СОВРЕМЕННЫЕ ВОЗМОЖНОСТИ ЯДЕРНОЙ МЕДИЦИНЫ В КАРДИОЛОГИИ	Simon Matskeplishvili
	ACTUAL NUCLEAR MEDICINE PROBLEMS IN PEDIATRICS	B.Ya. Narkevich
	ADVANCED HADRON THERAPY TECHNOLOGIES BASED ON THE BINARY NUCLEARPHYSICS METHODS	I. N. Zavestovskaya

	ANALYSIS OF CELL RESPONSE TO ULTRAHIGH DOSE-RATE PROTON IRRADIATION	Sergey Akulinichev
	DEVELOPMENT OF THE SPECIALTY "MEDICAL PHYSICS" IN THE REPUBLIC OF BELARUS	I.G. Tarutin
11:40-12:10	**Coffee-break** Перерыв	
12:10	RADIOACTIVE PARTICLES TRANSPORT AND ABSORBED DOSES DISTRIBUTION IN THE RATS' GASTROINTESTINAL TRACT	Yu.A. Kurachenko
	DIAGNOSTIC REFERENCE LEVELS IN NUCLEAR MEDICINE IN RUSSIAN FEDERATION	Larisa Chipiga, Aleksandr Vodovatov
	THE PIPLAN2021 PROTON AND CARBON ION RADIATION THERAPY TREATMENT PLANNING SYSTEM	Igor Degtyarev
	NEW APPROACHES TO THE MODERNIZATION OF TECHNOLOGIES FOR RADIATION STERILIZATION OF BIOIMPLANTS	Vladimir Rozanov
	THE STATUS OF FOOD IRRADIATION RESEARCH IN LOMONOSOV MOSCOW STATE UNIVERSITY	Ulyana Bliznyuk
14:00-15:00	**Lunch** Обед	

15:00	DEVELOPMENT OF FAST NEUTRON THERAPY TPS	A. N. Moiseev
	DEVELOPMENT OF SIMPLE TREATMENT PLANNING SYSTEM BASED ON TOPAS MC GEANT4 CODE FOR FAST NEUTRON IRRADIATION	Maksim Trushin
	THE DOSIMETRY OF FLASH PROTON BEAMS	Ivan Yakovlev
	SIMULATION THE EFFECT OF 11B ISOTOPE ON THE PROTON AND ALPHA PARTICLE DOSE DISTRIBUTIONS USING MONTE CARLO METHOD	Azizbek Abduvaliev
	SIMULATION OF THE PROTON BEAM FACILITY AT INR RAS USING THE TOPAS PROGRAM	Grigorii Merzlikin
16:40-17:10	**Coffee-break** Перерыв	
17:10	ADAPTIVE RADIATION THERAPY METHOD USING CONE BEAM COMPUTED TOMOGRAPHY	A. Lisovskaya
	DETERMINATION OF TREATMENT EFFICIENCY OF HEAD-AND-NECK CANCER BASED ON TCP MODEL	E.S. Sukhikh
	VERIFICATION PHANTOMS FOR DYNAMIC RADIOTHERAPY PLANS	M.N. Petkevich
	COMPARATIVE ANALYSIS OF DOSIMETRIC PLANS WITH SIMULTANEOUS DOSE ESCALATION FOR PROSTATE TUMORS IN THE APPLICATION OF BIOLOGICAL AND PHYSICAL OPTIMIZATION FUNCTIONS	Ekaterina Selikhova
	MEASURING THE RADIATION YIELD COEFFICIENTS OF SMALL FIELDS WITH IBA DETECTORS	V.S. Piskunov

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Leninskiye Gory, 1-2 (Faculty of Physics, 2nd floor hall)
Ленинские горы, д.1, с.2 (Физический факультет, холл 2 этажа)

10:00-11:30 **Poster session**
Постеры

Section 1 - Nuclear structure: theory and experiment

Секция 1 - Структура ядра: теория и эксперимент

STRUCTURE AND SYNTHESIS OF MAGNETIZED HEAVY NUCLEI	Vladimir Kondratyev , Alina Ulanova
INCOHERENT NEUTRAL PION PHOTOPRODUCTION ON THE TENSOR-POLARIZED DEUTERON AT VEPP-3	Vyacheslav Gauzshtein
RELATIVISTIC INVESTIGATION OF LOW NUCLEON SYSTEMS IN THE FORMALISM OF BETE-SALPETER-FADDEEV	Sergey Yurev
ON THE ELASTIC ELECTROWEAK SCATTERING OF POLARIZED LEPTONS BY SPIN 7/2 NUCLEI	Minikhan Safin
IMPROVED STUDY OF THE COLLISIONAL QUENCHING OF THE PIONIC HELIUM LONG-LIVED STATES	S.N. Yudin

Section 2 - Experimental and theoretical studies of nuclear reactions

Секция 2 - Экспериментальные и теоретические исследования ядерных реакций

NEUTRON SCATTERING ANALYS BY LIGHT NUCLEI USED COUPLED CHANNEL OPTICAL MODEL	Vladimir Skorkin
DETERMINATION OF THE ASYMPTOTIC NORMALIZATION COEFFICIENTS FOR ^{7}LI+P→^{8}BE FROM THE PERIPHERAL DIRECT CAPTURE ^{7}LI(P,Γ)^{8}BE REACTION AND THE ASTROPHYSICAL S FACTOR AT LOW ENERGIES	Kakhramon Tursunmakhatov
A METHOD OF GAMMA-SPECTRUM PROCESSING BASED ON EXPONENTIAL SMOOTHING	Leonid Minin

COMPUTER SIMULATION OF PFN DETECTOR	Olga Sidorova
ON THE WIDTH OF Γ-LINE AND THE PHOTON STRUCTURE	Vladimir Koltsov
HIDDEN VARIABLES IN ANGULAR CORRELATIONS OF FISSION PRODUCTS	Feodor Karpeshin
DEPENDENCE OF THE CONVERSION WIDTHS ON THE FINE STRUCTURE OF THE ELECTRON SHELL	Feodor Karpeshin
IS ELECTROWEAK INTERACTION – A KIND OF COSMOLOGICAL LAMBDA TERM IN MAINTAINING NUCLEAR EXISTENCE AND STABILITY?	Seshavatharam UVS
COMPUTER MODELING OF TTH HIGGS BOSON PRODUCTION PROCESS IN THE FRAMEWORK OF MSSM MODEL	Tetiana Obikhod
MODERNIZATION OF CORSET SETUP TO MEASURE CHARGE DISTRIBUTIONS OF FISSION FRAGMENTS USING BRAGG IONIZATION CHAMBER	Vahan Kirakosyan, Yerzhan Mukhamejanov, Artem Ostroukhov
NEW APPROACHES TO NEUTRON MONITORING IN LOW BACKGROUND NEUTRINO EXPERIMENTS	Dmitrii Ponomarev
USING A ΔE(SI)-E(CSI(TL)) TELESCOPE TO IDENTIFY LIGHT CHARGED PARTICLES	Zhassulan Zeinulla
DESCRIPTION OF CHARGE-EXCHANGE REACTIONS IN TIME-DEPENDENT 2D MODEL	Viacheslav Samarin
HYDROGEN ISOTOPES PRODUCTION UNDER (PI-)- MESON ABSORPTION IN SILICON “LIVE” TAGET	Boris Chernyshev
DIFFRACTION PROCESSES IN 12-C ELASTIC SCATTERING BY MEDIUM NUCLEI	Vyacheslav Dyachkov
ELECTRON AND POSITRON SPECTRA FROM PAMELA BY MULTIVARIATE DATA ANALYSIS METHODS	Павел Мухин
SOME REGULARITIES IN THE FORWARD ANGLE YIELDS OF ISOTOPES WITH 4<Z<20 IN THE REACTION OF 40AR(40 A MEV) WITH 9BE.	Erdemchimeg Batchuluun

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SIMPLE METHOD FOR OBTAINING MASS DISTRIBUTIONS OF FISSION FRAGMENTS	Lyudmila Andronenko
6LI(D,ALPHA)4HE REACTION CROSS SECTION EVALUATION IN 0-20 MEV DEUTERON ENERGY RANGE	S. M. Selyankina
STUDY EXCITATION OF ISOMERIC STATES IN $(\GAMMA,N)$, $(N,2N)$ AND $(N,\GAMMA)$ REACTIONS ON $^{108,110} PD$	Satimboy Palvanov
TEST EXPERIMENT TO DETERMINE THE TIME DISTRIBUTION OF THE BACKGROUND BETWEEN MMF ACCELERATOR PULSES ON THE RADEX CHANNEL.	Michael Mordovskoy
CHARGE DISTRIBUTIONS FOR NUCLEI-ISOBARS DURING 238U PHOTOFISSION	Aleksander Kuznetsov
STUDY OF THE EXCITATION OF ISOMERIC STATES IN $(\GAMMA, N)$, $(N, 2N)$ AND $(N, \GAMMA)$ REACTIONS ON $^{198,200}HG$ NUCLEI	Satimboy Palvanov
PRELIMINARY DATA OF THE EXPERIMENT TO DETERMINE THE CLUSTER STRUCTURE OF THE EXCITED STATES OF THE 6LI	Michael Mordovskoy
EFFECT OF DOUBLE SPIN-ORBIT PARAMETERS ON FUSION BARRIER OF PROLATE-PROLATE DEFORMED NUCLEI	Rajni Mittal

Section 3 - Intermediate and high energies, heavy ion collisions

Секция 3 - Промежуточные и высокие энергии, столкновения тяжелых ионов

QUARK-GLUON STRING MODEL (QGSM) AND ITS APPLICATION FOR INELASTIC DC INTERACTIONS AT A MOMENTUM OF 4.2 A GEV/S	raxmatillo bekmirzaev
TRANSVERSE MOMENTUM FLUCTUATIONS IN NICA AND SPS ENERGY RANGE	A. P. Zviagina
THE REGGE MESON SPECTRUM FROM HOLOGRAPHIC WILSON CONFINEMENT CRITERION	Timofey Solomko

CONFINEMENT POTENTIAL FROM HOLOGRAPHIC APPROACH TO STRONG INTERACTIONS	Sergey Afonin
ULTRA LIGHTWEIGHT SUPPORT STRUCTURES AND GASEOUS COOLING SYSTEM FOR THE NOVEL SILICON PIXEL DETECTORS	Vera Misheneva
COMPARISON OF SOME KINEMATICAL CHARACTERISTICS OF PROTONS IN COLLISIONS N12C AND P12C AT 4.2 GEV/S	raxmatillo bekmirzaev

Section 4 - Neutrino physics and nuclear astrophysics

Секция 4 - Физика нейтрино и ядерная астрофизика

PRECISION MEASUREMENTS OF 210BI B-SPECTRUM FOR NEUTRINO PHYSICS TASKS.	Alexander Derbin
PRECISION MEASUREMENT OF 144CE – 144PR BETA-SPECTRUM	Ilia Drachnev
LOW RADIOACTIVE AMMONIUM ACETATE FLUX	Nijat Mirzayev, Khaqani Mammadov , Midko Karaivanov , Nargiza Temerbulatova , Alimardon Rakhimov, Sergey Rozov, Evgeniy Yakushev, Dmitry Filosofov
DETERMINATION OF THE ENERGY OF HIGH-ENERGY PROTONS (1 TEV AND HIGHER) BY THE LFM METHOD	Anastasiya Fedosimova
RADIO DETECTION OF NEUTRINOS IN ANTARCTICA	Maria Mikhailova
A NEW OUTLOOK ON THE SQUARE-WELL POTENTIAL APPROACH FOR ASTROPHYSICAL FUSION REACTION	Sergey Torilov
IDREAM DETECTOR TODAY	andrei konstantinov

Section 5 - Design and development of charged particle accelerators and ionizing radiation sources

Секция 5 - Проектирование и разработка ускорителей заряженных частиц и источников ионизирующего излучения

COMPACT NEUTRON CALIBRATION SOURCE BASED ON 252CF RADIONUCLIDE AND A SILICON SEMICONDUCTOR DETECTOR	Maxim Trushin
FOURIER-IR SPESTROSCOPIC STUDIES OF N-C6H14 AND N-C6H14 + H2O SYSTEMS	Sevinj Melikova
INVESTIGATION OF SECONDARY ELECTRON EMISSION PROCESSES IN ACCELERATOR CHARGED PARTICLE BEAM MONITORING SYSTEMS	E. O. Zemlin
THE EFFECT OF THE "FLAT-TOP" RESONANT SYSTEM OF THE DC-280 ACCELERATOR ON THE ACCELERATED ION BEAM	Павел Игоревич

Section 6 - Applications of nuclear methods in science and technology

Секция 6 - Применение ядерных методов в науке и технике

SIC NUCLEAR RADIATION DETECTORS AFTER IRRADIATION BY HEAVY IONS AND NEUTRONS	L. Hrubcin
THE MEASUREMENT OF THE LOW LEVELS OF RADIOACTIVITY BY LIQUID SCINTILLATION ALPHA AND BETA SPECTROMETER QUANTULUS 1220	Konstantin Gruzdov
THE APPROBATION OF ION-PLASMA TECHNOLOGY FOR REACTOR GRAPHITE DEACTIVATION	Anna Petrovskaya
RADIATION RESISTANCE OF SIC DETECTORS UNDER NEUTRON IRRADIATION	S. Evseev
POSITION SENSITIVE FAST NEUTRON DETECTOR BASED ON THE DOUBLE-SIDED SILICON STRIP DETECTORS	Askar Erbolot
4П-METHODS FOR TOTAL REACTION CROSS SECTION MEASUREMENTS	Sergey Stukalov
SIMULATION OF THE FAST READOUT SYSTEM FOR MCP-BASED BEAM-BEAM COLLISIONS MONITOR FOR NICA EXPERIMENTS	nikodim makarov
INTERACTION OF SERUM ALBUMIN AND GRAPHENE OXIDE: INVESTIGATION BY TRITIUM PROBE AND MOLECULAR DOCKING	Vitalii Bunyaev

TOF MEASUREMENT OF LOW-ENERGY NEUTRON SCATTERING BY DEFORMED NUCLEI	Vladimir Skorkin
STUDY OF SORPTION PROPERTIES OF MODIFIED STRUCTURAL MATERIALS FOR NUCLEAR POWER ON GAMMA-QUANTUM BEAMS OF LINEAR ACCELERATOR	Yuliya Zaripova
MULTIPARAMETRIC REGISTRATION SYSTEMS IN RADIOCHEMISTRY	Konstantin Ershov
SEARCH CRITERIA FOR MINERAL DEPOSITS IN THE ZONES OF MODERN AND ANCIENT VOLCANISM ON URANIUM AND THORIUM AND THEIR FISSION PRODUCTS	Адиль яфясов
FLUCTUATIONS OF THE INDUCED CHARGE CAUSED BY FLUCTUATIONS OF THE X-RAY QUANTUM ABSORPTION POINT IN A PLANE-PARALLEL SEMICONDUCTOR DETECTOR	Victor Samedov

Section 7 - Synchrotron and neutron radiation sources and their use in scientific and applied fields

Секция 7 - Источники синхротронного и нейтронного излучения и их использование в научных и прикладных областях

A LINEAR ELECTRON ACCELERATOR – TOP-UP INJECTOR FOR THE 4TH GENERATION SPECIALIZED SYNCHROTRON RADIATION SOURCE USSR	Ilia Ashanin
INVESTIGATION OF CRYSTAL AND MAGNETIC STRUCTURES OF MULTIFFERROIC MATERIAL UNDER HIGH PRESSURE	Olga Lis
A LINEAR ELECTRON ACCELERATOR WITH AN ENERGY OF 8-50 MEV WITH INJECTION FROM AN ELECTRON SOURCE BASED ON CLUSTER PLASMA SYSTEMS	Ilia Ashanin
DETERMINATION OF NEUTRON DETECTION EFFICIENCY OF DEMON AND PARIS DETECTORS USING A ^{252}CF SOURCE	Olga Saiko
MEPHI'S OPTION OF LAB SCALE COMPTON SOURCE	Sergey Polozov

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Section 8 - Nuclear technology and methods in medicine, radioecology

Секция 8 - Ядерные технологии и методы в медицине, радиоэкология

ESTIMATES OF THE EXPECTED AVERAGE ANNUAL EFFECTIVE DOSE OF NATURAL RADIATION BACKGROUND OF EMPLOYEES IN THE ADMINISTRATIVE BUILDING, TAKING INTO ACCOUNT THE DISTRIBUTION OF RADON AND ITS DECAY PRODUCTS	Yuliya Zaripova
STUDY OF GENETIC EFFECTS IN BIOASSAYS ARISING FROM RADIATION THERAPY USING A LINEAR ACCELERATOR ELEKTA AXESSE	Mirgul Bigeldiyeva
STUDYING THE DOSE LOAD ON THE RESPIRATORY SYSTEM FROM HEAVY NATURAL RADIONUCLIDES DURING TOBACCO SMOKING	Mirgul Bigeldiyeva
STUDIES OF RADON CONCENTRATION IN RESIDENTIAL AND PUBLIC BUILDINGS LOCATED IN THE TIEN SHAN FOOTHILLS AND THE NEVA LOWLAND AREAS	Vyacheslav Dyachkov
APPLICATION OF LITHIUM-DOPED CRYSTALS IN TASKS OF SEPARATE DETECTION OF GAMMA-RAYS AND NEUTRONS	Ilya Lagutskiy
THE DOSE CALCULATION BASED ON CBCT IMAGES FOR LONG TARGET CASES: A PHANTOM STUDY	Anastasiya Lisovskaya
REFERENCE FIELDS FORMED AT THE DOSIMETRIC BETA-RADIATION FACILITY	Руслан Титков
APPLICATION OF SRI2(EU) CRYSTAL IN PROBLEMS OF GAMMA-RADIATION SPECTROMETRY	Damian Komar
AGILITY MULTILEAF COLLIMATOR PARAMETERS OPTIMIZATION IN THE INDEPENDENT DOSE CALCULATION SYSTEM	Anna Loginova

Leninskiye Gory, 1-2 (Faculty of Physics, CFA)
Ленинские горы, д.1, с.2 (Физический факультет, ЦФА

11:30-13:50	**Plenary session** Пленарные доклады

11:30	**FOURTH GENERATION LIGHT SOURCE SKIF IN NOVOSIBIRSK: STATUS AND PERSPECTIVES**	**Prof. Eugene Levichev** (BINP SB RAS)
12:05	**HEAVY-ION PHYSICS WITH CMS DETECTOR**	**Sergey Petrushanko** (SINP MSU)
12:40	**THE JUNO EXPERIMENT: STATUS AND PROSPECTS**	**Dr. Maxim Gonchar**
13:15	**COMPTON DESINTEGRATION OF POSITRONIUM**	**Prof. Yuri Popov** (SINP MSU, BLTP JINR)
13:50-15:00	**Lunch** Обед	
15:00-19:00	**Oral session** Секционные заседания	

Section 2 - Experimental and theoretical studies of nuclear reactions

Секция 2 - Экспериментальные и теоретические исследования ядерных реакций

Leninskiye Gory, 1-2 (Faculty of Physics, SFA)
Ленинские горы, д.1, с.2 (Физический факультет, СФА)

15:00	THE SPECIFIC FEATURES OF PHOTODISINTEGRATION OF 58,60NI	Vladimir Varlamov
	PARTIAL PHOTONUCLEAR REACTION CROSS SECTIONS OBTAINED USING BREMSSTRAHLUNG	Vladimir Varlamov
	TO YIELD STUDIES FOR THE REACTIONS 13C(GAMMA, p), 14N(GAMMA, 2p), 14N(GAMMA, 2n) WITH (12B, 12N)-ACTIVITY MEASUREMENTS BY DELTAE- DETECTOR TELESCOPES AT THE PULSED ELECTRON ACCELERATOR	Leonid Dzhilavyan
	PHOTONUCLEAR REACTIONS: SOME POSSIBILITIES FOR METHODOLOGICAL IMPROVEMENT	Miodrag Krmar
	PHOTONEUTRON CROSS SECTIONS OF COBALT	Alexandra Druzhinina
16:40-17:10	**Coffee-break** Перерыв	
17:10	THE INVESTIGATION IN NON-STATISTICAL MECHANISMS OF PHOTONUCLEAR EMISSION OF CHARGED PARTICLES ON MOLYBDENUM	Pavel Remizov
	INVESTIGATION OF (γ, αxn) REACTIONS ON 93NB	Pavel Remizov
	STUDY OF REACTIONS WITH THE α-PARTICLE EMISSION AT EMAX=20 MEV ON NATURAL ZIRCONIUM TARGETS	Pavel Remizov
	STUDY OF RADIONUCLIDE YIELD IN PHOTONUCLEAR REACTIONS ON NATURAL IRON	Denis Iusiuk
	STUDY OF (γ, p)-REACTIONS ON NICKEL ISOTOPES	Yury Balaba
	APPLICATION OF UNFOLDING METHOD FOR OBTAINING NUCLEAR DATA	David Knezevic

Section 3 - Intermediate and high energies, heavy ion collisions

Секция 3 - Промежуточные и высокие энергии, столкновения тяжелых ионов

Leninskiye Gory, 1-2 (Faculty of Physics, room 3-13
Ленинские горы, д.1, с.2 (Физический факультет, ауд. 3-13)

15:00	ELLIPTIC FLOW FOR Π^0 MESONS IN ASYMMETRIC CU+AU COLLISION SYSTEM AT $\sqrt{S_{NN}}$=200 GEV	Egor Bannikov
	FEMTOSCOPIC ANALYSIS OF IDENTICAL CHARGED KAONS IN PB-PB COLLISIONS AT 5.02 TEV WITH ALICE	Gleb Romanenko
	HADRONIC RESONANCE PRODUCTION WITH ALICE AT THE LHC	Sergey Kiselev
	DIPHOTON PRODUCTION RATE WITH THE EFFECT OF CHEMICAL POTENTIAL IN RELATIVISTIC HEAVY-ION COLLISIONS	Yogesh Kumar
	A SPECIFIC HEAT OF NUCLEAR MEDIUM PROBED BY K_S^0 MESONS PRODUCED IN AU+AU COLLISIONS AT RHIC	Mikhail Tokarev

16:40-17:10	**Coffee-break** Перерыв	
17:10	FRACTAL ANALISIS OF AU+AU MONTE CARLO EVENTS AT 200 GEV/C	Tatiana Dedovich
	VORTICITY AND HELICITY FIELDS IN HEAVY-ION COLLISIONS AND HYPERON POLARIZATION	Nikita Tsegelnik
	DIJET EVENTS WITH LARGE RAPIDITY SEPARATION IN PROTON-PROTON COLLISIONS AT √S = 2.76 TEV WITH CMS DETECTOR	Anatolii Egorov
	THE ROLE OF PARTON DISTRIBUTION FUNCTIONS IN THE Φ MESON PRODUCTION IN RELATIVISTIC ION COLLISIONS	Mariia Mitrankova
	MULTIPLICITY DISTRIBUTIONS AND COMBINANTS IN MULTI-POMERON EXCHANGE MODEL	Vladimir Vechernin

Section 4 - Neutrino physics and nuclear astrophysics

Секция 4 - Физика нейтрино и ядерная астрофизика

Leninskiye Gory, 1-2 (Faculty of Physics, room 5-42
Ленинские горы, д.1, с.2 (Физический факультет, холл ауд. 5-42)

15:00	TESTING OF THE HIGH-ENERGY π AND K MESON PRODUCTION BY THE PRIMARY COSMIC PROTONS AND HELIUM NUCLEI	Anton Lukyashin
	BARYON-ANTIBARYON ASYMMETRY IN p-p, p-A COLLISIONS AND STRING JUNCTION TORUS AS BARYONIUM DM	Olga Piskunova
	ON THE POSSIBILITY OF USING THE QUANTUM-FIELD APPROACH TO MODELING THE INTERACTION OF MATTER WITH NEUTRINOS TO STUDY THEIR ROLE IN ASTROPHYSICAL PROCESSES	Yury M. Pismak
	A MODIFIED QUASIPARTICLE MODEL IN THE EXPANSION OF EARLY UNIVERSE OF QUARK GLUON PLASMA	Yogesh Kumar

	DETERMINATION OF PARAMETERS OF THE MODEL WITH THREE STERILE NEUTRINOS ON THE BASE OF EXPERIMENT BEST RESULTS	Viacheslav Khruschov
16:40-17:10	**Coffee-break** Перерыв	
17:10	SYNTHESIS OF “LIGHT” HEAVY ELEMENTS UNDER EXPLOSION OF LOW-MASS NEUTRON STAR	Igor Panov
	NEUTRON STAR PROPERTIES WITH DENSITY DEPENDENT BARYONIC INTERACTIONS	Semyon Mikheev
	ON THE STABILITY OF SPHERICAL NUCLEI IN THE INNER CRUST OF NEUTRON STARS	Nikita Zemlyakov
	FINITE NUCLEI SIZE EFFECTS IN ELASTICITY OF NEUTRON STAR INNER CRUST	Andrey Chugunov
	YIELDS OF THE R-PROCESS IN NEUTRON STAR MERGER EJECTA AND ITS SENSITIVITY TO NUCLEAR MASS MODEL CHOICE	Vasily Negrebetskiy

Section 6 - Applications of nuclear methods in science and technology

Секция 6 - Применение ядерных методов в науке и технике

Leninskiye Gory, 1-2 (Faculty of Physics, room 5-19
Ленинские горы, д.1, с.2 (Физический факультет, ауд. 5-19)

15:00	DETERMINATION OF THE OXYGEN CONTENT IN THE INVESTIGATED SAMPLES USING DELAYED NEUTRON COUNTING TECHNIQUE	Konstantin Mitrofanov
	INFLUENCE OF NEUTRON DETECTOR STRUCTURAL MATERIALS ON FAST NEUTRON DETECTION	Sergey Karaevsky
	USING THE TAGGED NEUTRON METHOD FOR DETERMINING THE CONCENTRATION OF CARBON IN SOIL	Yuri Kopatch

	MEASUREMENT OF YIELDS AND ANGULAR DISTRIBUTIONS OF γ-QUANTA FROM THE INTERACTION OF 14.1 MEV NEUTRONS WITH OXYGEN, PHOSPHORUS AND SULFUR NUCLEI	Dimitar Grozdanov
	USING TAGGED NEUTRON METHOD FOR ON-LINE ANALYSIS OF MATERIALS ON CONVEYOR	Albina Akhunova
16:40-17:10	**Coffee-break** Перерыв	
17:10	APPLICATION OF TRITIUM LABEL FOR THE DETECTION OF NANODIAMOND FILMS ON THE SURFACE OF COLLAGEN TISSUE	Tianyi Shen
	ADSORPTION MODIFICATION OF NANODIAMONDS WITH TRITIUM-LABELED CATIONIC SURFACTANTS AND POLYSACCHARIDES	Artem Sinolits
	TRITIUM LABEL IN STUDYING PROTEIN-LIGAND INTERACTION: SELF-ORGANIZATION AT THE INTERFACES	Maria Chernysheva
	DEVELOPMENT OF THE CRITERION FOR THE IDENTIFICATION OF CONTRAST AGENTS IN PHOTON-COUNTING COMPUTED TOMOGRAPHY	Rostislav Sotenskiy
	NEUTRON RESPONSE FUNCTION OF CEBR3-NAI(TL) PHOSWICH SPECTROMETER FOR 1.0 ÷ 5.5 MEV NEUTRON ENERGY RANGE	Zhassulan Zeinulla

Section 7 - Synchrotron and neutron radiation sources and their use in scientific and applied fields

Секция 7 - Источники синхротронного и нейтронного излучения и их использование в научных и прикладных областях

Leninskiye Gory, 1-2 (SINP, basement floor auditorium 05)
Ломоносовский пр., д.27, к.4 (ЮК НИИЯФ, Ц-05)

15:00	STUDYING NEUTRON SPECTRUM OF PHOTONEUTRON SOURCE OF INR RAS	Alexey Afonin
	SYLA – RUSSIAN 4TH GENERATION SYNCHROTRON	Eugenio Tsyplakov
	ROLE OF POLARIZATION IN THE MULTIPLE IONIZATION BY AN INTENSE RADIATION	Elena Gryzlova
	ATOMIC K-SHELL DOUBLE HOLE CREATION DUE TO ELECTRON CAPTURE AND PHOTOIONIZATION	Maksim Kiselev
	THE PRESSURE EFFECT ON CRYSTAL AND MAGNETIC STRUCTURES OF VAN DER WAALS MATERIALS	O.N. Lis
16:40-17:10	**Coffee-break** Перерыв	
17:10	DIFFERENCE BETWEEN DISTRIBUTIONS OF INTERMEDIATE AND SLOW NEUTRON FLUX FROM PHOTONEUTRON SOURCE EXIT CHANNEL	Stanislav Potashev
	NEUTRON TOMOGRAPHY AND DIFFRACTION IN THE STUDY OF THE CULTURAL HERITAGE OF ANTIQUITY AND THE MIDDLE AGES	Bulat Bakirov
	STUDY OF EXTRACTION SYSTEM “N,O-DONOR HETEROCYCLIC AMIDE/EUROPIUM NITRATE” BY EXAFS AND 1H-NMR SPECTROSCOPY.	Leonid Starostin
	ACCELERATOR BASED NEUTRON SOURCE VITA	Sergey Taskaev

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Leninskiye Gory, 1-2 (Faculty of Physics, CFA)
Ленинские горы, д.1, с.2 (Физический факультет, ЦФА

10:00-14:00	**Plenary session** Пленарные доклады	
10:00	**THE ROLE OF PLASMA SCREENING FOR THE LOCATION OF THE QCD CRITICAL END POINT**	**Alejandro Ayala**
	PROBING OF EXOTIC MULTIQUARK STATES IN HADRON AND HEAVY ION COLLISIONS	**Mikhail Barabanov**
	POSSIBLE PHYSICS STUDIES AT THE FIRST STAGE OF THE NICA SPD PROGRAMME	**Yuriy Uzikov**
11:30-12:00	**Coffee-break** Перерыв	
12:00	**ISOTOPIC DEPENDENCE OF CHARGE AND MATTER RADII.**	**Ivan Borzov**
	NUCLEON TRANSFER PROCESSES IN LOW-ENERGY REACTIONS WITH HELIUM ISOTOPES	**Mikhail Naumenko**
	INTERPRETATION OF THE INCOMPLETE FUSION OF NUCLEUS AS A QUASIFISSION OF DINUCLEAR SYSTEM	**Avazbek Nasirov**
	THEORETICAL APPROACHES ALLOWING SIMULTANEOUS DESCRIPTION OF P-EVEN T-ODD ASYMMETRIES IN REACTIONS OF NUCLEAR FISSION BY POLARIZED NEUTRONS WITH THE EMISSION OF DIFFERENT LIGHT PARTICLES	**Stanislav Kadmensky**
14:00-15:00	**Lunch** Обед	
15:00-19:00	Oral session Секционные заседания	

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Leninskiye Gory, 1-2 (Faculty of Physics, SFA)
Ленинские горы, д.1, с.2 (Физический факультет, СФА

10:00-14:00	**Semiplenary session** Полупленарные доклады	
10:00	**LOW-ENERGY M1 STATES IN DEFORMED NUCLEI: SPIN SCISSORS OR SPIN-FLIP?**	**Valentin Nesterenko**
	PARTICLE-HOLE DISPERSIVE OPTICAL MODEL: PAST AND FUTURE	**Michael Urin**
	CROSSING ROTATIONAL BANDS IN SUPERHEAVY EVEN-EVEN NUCLEI	**Alexander Efimov**
11:30-12:00	**Coffee-break** Перерыв	
12:00	**EFFECTIVE INTERACTIONS AND EFFECTIVE OPERATORS FROM THE NO-CORE SHELL MODEL**	**Nadezda Smirnova**
	GAMOW-TELLER AND ANALOG RESONANCES IN NEUTRON-RICH SN ISOTOPES	**Yuri Lutostansky**
	STUDY OF THE BETA DECAY STRENGTH FUNCTION STUCTURE BY TAGS AND HIGH RESOLUTION NUCLEAR SPECTROSCOPY METHODS	**Igor Izosimov**
	THE MODEL FOR DESCRIBING THE WIDTH OF DOUBLE GAMMA DECAY OF THE QUADRUPOLE STATE OF SPHERICAL NUCLEI	**Alexey Severyukhin**
14:00-15:00	**Lunch** Обед	
15:00-19:00	Oral session Секционные заседания	

Section 1 - Nuclear structure: theory and experiment:

Секция 1 - Структура ядра: теория и эксперимент

Leninskiye Gory, 1-2 (Faculty of Physics, CFA)
Ленинские горы д.1, к.2 (Физический факультет, ЦФА)

15:00	GENERALIZATION OF THEORY OF FINITE FERMI-SYSTEMS FOR PYGMY- AND GIANT MULTIPOLE RESONANCES	Sergey Kamerdzhiev
	MICROSCOPIC DESCRIPTION OF ISOSCALAR GIANT MONOPOLE RESONANCE: THE CASE OF 48CA	Nikolay Arsenyev
	PROPERTIES OF GAMOW-TELLER AND CHARGE-EXCHANGE GIANT SPIN-MONOPOLE RESONANCES IN MEDIUM-HEAVY CLOSED-SHELL PARENT NUCLEI: A SEMIMICROSCOPIC DESCRIPTION	Vladimir Bondarenko
	NUCLEUS SURFACE TENSION AND ITS MICROSCOPIC RESONANCE DESCRIPTION	Aleksey Dolgodvorov
	INFLUENCE OF NUCLEON PAIRS ON THE NUCLEAR SURFACE TENSION	Natalia Goncharova
16:40-17:10	**Coffee-break** Перерыв	
17:10	LOCAL MAGIC NUCLEI: PROPERTIES AND STRUCTURE	Igor Boboshin
	INFLUENCE OF NUCLEAR SURFACE DIFFUSENESS ON HALO STRUCTURE OF ZR ISOTOPES NEAR THE NEUTRON DRIP LINE	Olga Bespalova
	ROLE OF QUARKS IN NUCLEAR STRUCTURE	Genis Musulmanbekov
	SMOOTHNESS OF MASS SURFACE OF ODD ACTINIDE NUCLEI AND PAIRING ENERGIES	A. K. Vlasnikov

Section 2 - Experimental and theoretical studies of nuclear reactions

Секция 2 - Экспериментальные и теоретические исследования ядерных реакций: NR1

Leninskiye Gory, 1-2 (Faculty of Physics, SFA)

Ленинские горы, д.1, с.2 (Физический факультет, СФА)

15:00	DIRECT REACTIONS AND SYNTHESIS OF COLD HEAVY NUCLEI	Vadim Bunakov
	A NOVEL APPROACH FOR TAKING INTO ACCOUNT THE ZERO-POINT OSCILLATIONS IN CALCULATING HEAVY-ION FUSION CROSS-SECTIONS	Maria Chushnyakova
	Coupled channel method with asymptotic coupling for heavy ion nuclear reactions	Sergue Vinitsky
	THEORETICAL STUDY OF THE REACTIONS LEADING TO PRODUCTION OF NEW SUPERHEAVY NUCLEI	Nataliia Kurkova
	Diffuseness of nucleon density distribution and double-folding nucleus-nucleus potential	SMakar Simonov
16:40-17:10	**Coffee-break** Перерыв	
17:10	RELATIVE PROBABILITY OF HIGH-SPIN ISOMERIC STATES POPULATION IN (α,n)-REACTIONS	Tatjana Chuvilskaya
	FRAGMENTATION OF NUCLEI UNDER RADIATION ACTION OF VARIOUS TYPE	Nikolay Novikov
	THE MSU SINP CDFE IN THE NUCLEAR REACTION DATA CENTRES NETWORK	Vladimir Varlamov
	Charge exchange processes in carbon ions fragmentation at 300 MeV/nucleon: a comparison with models of ion-ion interactions	A. A. Kulikovskaya
	MEASUREMENT OF THE NEUTRON YIELD FROM 13C(α,n0)16O REACTION	Pavel Prusachenko

Section 3 - Intermediate and high energies, heavy ion collisions 1

Секция 3 - Промежуточные и высокие энергии, столкновения тяжелых ионов

Leninskiye Gory, 1-2 (Faculty of Physics, room 3-13
Ленинские горы, д.1, с.2 (Физический факультет, ауд. 3-13)

15:00	NUCLEON RESONANCE CONTRIBUTIONS TO INCLUSIVE ELECTRON SCATTERING	Vitaly Chesnokov

	NΠ ELECTROPRODUCTION IN THE RESONANCE REGION IN 12 GEV ERA	Anna Golubenko
	FIRST RESULTS FROM CLAS12 ON $\PI^+\PI^- P$ ELECTROPRODUCTION IN FULLY EXCLUSIVE KINEMATIC	Anna Frolova
	STUDIES OF DOUBLE PION ELECTROPRODUCTION WITH CLAS12 IN KINEMATICS WITH MISSING HADRON	Aleksandr Bulgakov
	EVALUATION OF KΛ AND KΣ0 ELECTROPRODUCTION CROSS SECTIONS FROM THE CLAS DATA	Maksim Davydov
	THE COMPUTATIONAL TOOL FOR EVALUATION OF NΠ ELECTROPRODUCTION CROSS SECTIONS	Almaz Nasrtdinov
16:40-17:10	**Coffee-break** Перерыв	
17:10	COMMISSIONING OF THE FORWARD DETECTORS TO MEASURE SPECTATORS IN NUCLEUS-NUCLEUS REACTIONS AT THE BM@N	Alexander Izvestnyy
	APPLICATION OF THE MC-GLAUBER APPROACH FOR CENTRALITY DETERMINATION IN HEAVY-ION COLLISIONS WITH THE BM@N EXPERIMENT	Alexandra Andomina
	DEVELOPMENT OF EVENT RECONSTRUCTION METHODS IN THE HEAVY-ION PROGRAM OF THE BM@N EXPERIMENT	Sergei Merts
	HIGH-PERFORMANCE OPTIMIZATION OF THE SOFTWARE FOR EXPERIMENTAL DATA DECODING IN BM@N NICA EXPERIMENT	Sergei Nemnyugin
	A METHOD OF CALCULATING THE ELECTRIC FIELD MAP OF TRIPLE GEM DETECTOR FOR THE FIRST PHYSICS RUN OF BM@N EXPERIMENT	Dmitry Baranov

July 14, Thu
14 июля, чт

Section 3 - Intermediate and high energies, heavy ion collisions 2

Секция 3 - Промежуточные и высокие энергии, столкновения тяжелых ионов

Leninskiye Gory, 1-2 (SINP, basement floor auditorium 05)
Ломоносовский пр., д.27, к.4 (ЮК НИИЯФ, Ц-05)

15:00	DEVELOPMENT OF DCS FOR FORWARD SPECTATOR DETECTORS AT THE BM@N, MPD/NICA AND NA61/SHINE EXPERIMENTS	Oleg Petukhov
	SYSTEMATICS OF REACTION PLANE DETERMINATION WITH THE MPD EXPERIMENT.	Valerii Troshin
	SOLITON SOLUTIONS OF HYDRODYNAMIC EQUATIONS IN DESCRIBING COLLISIONS AND OSCILLATIONS OF ATOMIC NUCLEI	Alexander Dyachenko
	DESCRIPTION OF MESONS AND NUCLEONS IN EFFECTIVE MODELS OF QUANTUM FIELD THEORY ON THE LIGHT FRONT	Igor Lebedev
	THERMAL PHOTONS PRODUCTION IN PROTON-PROTON COLLISIONS AT HIGH ENERGIES	Mohsun Alizada
16:40-17:10	**Coffee-break** Перерыв	
17:10	SOURCE VELOCITY IN COLLISIONS OF 2.1 GEV PROTONS WITH GOLD TARGET	Sergej Avdeyev
	MEASUREMENT OF THE DEUTERON ANALYZING POWERS Ay, Ayy AND Axx IN DP- ELASTIC SCATTERING AT NUCLOTRON	Vladimir Ladygin
	PROTON AND DEUTERON POLARIMETRY AT NUCLOTRON-NICA	Arkadiy Terekhin
	HADRON PRODUCTION IN PP AND AA COLLISIONS WITHIN SELF-SIMILARITY APPROACH	Andrei Zaitsev

Section 4 - Neutrino physics and nuclear astrophysics

Секция 4 - Физика нейтрино и ядерная астрофизика

Leninskiye Gory, 1-2 (Faculty of Physics, room 5-42
Ленинские горы, д.1, с.2 (Физический факультет, холл ауд. 5-42)

15:00	RECENT RESULTS OF THE KAMLAND-ZEN EXPERIMENT	Alexandre Kozlov
	SIMULATION OF THE LSD RESPONSE TO THE NEUTRINO BURST FROM SN 1987A	Andrey Yudin
	(α,n) AND (α,nγ) YIELD CALCULATIONS WITH A NEW VERSION OF NEUCBOT FOR LOW BACKGROUND EXPERIMENTS	Maxim Gromov
	MEASUREMENT OF RADON DECAYS WITH THE LVD-SETUP FOR NEUTRINO SEARCHING	Natalia Agafonova
16:40-17:10	**Coffee-break** Перерыв	
17:10	IMPLEMENTATION OF GLOBAL BETA-DECAY RATES PREDICTIONS TO ASTROPHYSICAL MODELS	Igor Panov
	DISTRIBUTION ON ELECTRON ENERGY IN TWO-NEUTRINO DOUBLE BETA DECAY OF 100MO	Sergei Semenov
	NEW RESULTS FOR DOUBLE BETA DECAY OF 106CD	NIKOLAY RUKHADZE
	SEARCH OF PERIODICAL AND APERIODICAL VARIATIONS OF NUCLEUS DECAY PARAMETERS	Sergey Mayburov
	VARIANTS OF INTENSIVE ANTINEUTRINO SOURCES ON THE BASE OF 8LI ISOTOPE	Vladimir Lyashuk

Section 8 - Nuclear technology and methods in medicine, radioecology

Секция 8 - Ядерные технологии и методы в медицине, радиоэкология

Leninskiye Gory, 1-5 (SINP MSU 19 building, room 2-15)
Ленинские горы, д.1, с.5 (19 корпус НИИЯФ МГУ, ауд. 2-15)

15:00	THE METHOD FOR VISUALIZATION QUALITY ASSESSING FOR THE OBJECTS IN POSITRON EMISSION TOMOGRAPHY IMAGES	E.V. Emelianenko
	EVALUATION OF IMPACT OF INJECTED ACTIVITY OF 18F-FDG ON THE PET IMAGE QUALITY	Anastasia Petryakova
	DIFFUSION DATA OF MAGNETIC RESONANCE TOMOGRAPHY FOR DIAGNOSTICS AND STEREOTACTIC RADIOTHERAPY OF INTRACRANIAL PATHOLOGY	Kseniia Pomozova
	ASSESSMENT OF THE EFFECT OF DISTORTION OF MAGNETIC RESONANCE IMAGING IMAGES ON THE PLANNING OF RADIATION THERAPY	I. V. Myaekivi
	DEVELOPMENT OF A METHOD FOR MONITORING THE ABSORBED DOSE IN PHOTON RADIATION THERAPY	Artemii Sinelnikov
16:40-17:10	**Coffee-break** Перерыв	
17:10	INVESTIGATION OF THE FEATURES OF BONE IMPLANTS SURFACE CONDITION DURING COMBINED RADIATION STERILIZATION	Nadezhda Nikolaeva
	STUDY OF DOSE TRANSMISSION FROM A MULTIPLE COLLIMATOR ON VARIAN HALCYON AND VARIAN TRUEBEAM STX LINEAR ACCELERATORS	Elena Morozova
	ESTIMATION OF THE CONTRIBUTION OF SECONDARY NEUTRONS TO THE ABSORBED DOSE DURING THE OPERATION OF MEDICAL LINAC	Alexey Shcherbakov
	INCREASING THE UNIFORMITY OF RADIATION TREATMENT UNIFORMITY OF OBJECTS USING MODIFIER PLATES	Felix Studenikin
	IMPACT OF ACCELERATED ELECTRONS ON THE CHEMICAL PARAMETERS OF CHILLED MEAT OVER LONG-TERM STORAGE	Victoria Ipatova

July 15, Fri
15 июля, пт

10:00-19:00	**Oral session** Секционные заседания

Section 1 - Nuclear structure: theory and experiment: NS1
Секция 1 - Структура ядра: теория и эксперимент

Leninskiye Gory, 1-2 (Faculty of Physics, room 5-19)
Ленинские горы, д.1, с.2 (Физический факультет, ауд. 5-19)

10:00	POSSIBILITIES TO IMPROVE VARIATIONAL CALCULATIONS USING OSCILLATOR BASIS	Vasily Kulikov
	AB INITIO CALCULATIONS OF BRANCHING RATIOS OF ALPHA PARTICLES, NEUTRONS AND PROTONS IN THE DECAY OF EXCITED STATES OF BERYLLIUM ISOTOPES.	Yuri Tchuvil'sky
	AB INITIO STUDY OF RADII AND COULOMB SHIFTS OF SIX-NUCLEON ISOBAR ANALOGUE STATES	Dmitry Rodkin
	SS-HORSE APPROACH: FURTHER DEVELOPMENT AND APPLICATION TO THE STUDY OF LIGHT NUCLEI	Alexander Mazur
	SEARCH FOR ALPHA-CONDENSATE EFFECTS IN DISSOSIASION OF RELATIVISTIC NUCLEI	Andrei Zaitsev
11:40-12:10	**Coffee-break** Перерыв	
12:10	EXTRAPOLATION OF THE LOWEST STATE ENERGIES IN SUPERHEAVY EVEN-EVEN NUCLEI	Alexander Efimov
	ROTATIONAL SPECTRA OF EVEN-EVEN ACTINIDE AND RARE-EARTH NUCLEI	Abdurahim Okhunov
	PROBING MICROSCOPIC PROPERTIES OF SUPERDEFORMED NUCLEI	Poonam Jain

July 15, Fri
15 июля, пт

	THE FAYANS ENERGY-DENSITY FUNCTIONAL. NEW CONSTRAINTS FROM THE EQUATIONS OF STATE.	Ivan Borzov
	NEUTRON MULTIPLICITY OF TRANSPLUTONIUM NUCLEI	Anna Bezbakh
14:00-15:00	**Lunch** Обед	
15:00]	NUCLEAR SHAPE EVOLUTION IN THE LEAD REGION: NEUTRON-DEFICIENT BISMUTH AND GOLD ISOTOPES	Pavel Molkanov
	EVOLUTION OF THE PHENOMENOLOGICALLY DETERMINED COLLECTIVE POTENTIAL ALONG THE CHAIN OF ZR ISOTOPES	Evgenii Mardyban
	ON SHORT-RANGE CORRELATIONS IN ATOMIC NUCLEI	Boris Kostenko
	DYNAMIC THREE-QUASIPARTICLE CORRELATIONS IN THE GROUND STATE	Mikhail Shitov
	STUDY OF COULOMB BREAKUP OF 11BE WITHIN THE NON-PERTURBATIVE SEMICLASSICAL AND QUANTUM-QUASICLASSICAL TIME-DEPENDENT APPROACHES	Dinara Valiolda
16:40-17:10	**Coffee-break** Перерыв	
17:10	BEHAVIOR OF MOMENT OF INERTIA IN HIGHLY DEFORMED 24MG AND 20NE	Mariia Mardyban
	INTERPLAY OF ORDER AND CHAOS IN NUCLEAR STRUCTURE	Rashid Nazmitdinov
	STUDY OF NUCLEAR MATTER DENSITY DISTRIBUTION IN LIGHT EXOTIC NUCLEI FROM PROTON ELASTIC SCATTERING IN INVERSE KINEMATICS	Alexander Inglessi
	NUCLEAR DATA AND THE STANDARD MODEL PARAMETRS	Sergey Sukhoruchkin
	4G MODEL OF FITTING RMS RADIUS OF PROTON	Laksminarayana S

Section 1 - Nuclear structure: theory and experiment: Few Body

Секция 1 - Структура ядра: теория и эксперимент

Leninskiye Gory, 1-2 (Faculty of Physics, CFA)
Ленинские горы, д.1, с.2 (Физический факультет, ауд. ЦFA)

10:00	CONTRIBUTION OF INDUCED DIPOLE INTERACTION TO THE ASYMPTOTIC BEHAVIOR OF WAVE FUNCTION COMPONENTS FOR THE SCATTERING IN THREE BODY COULOMB SYSTEMS	Sergey Yakovlev
	OPTIMAL BOUNDS ON THE SPEED OF SUBSPACE EVOLUTION GOVERNED BY A TIME-DEPENDENT HAMILTONIAN	Alexander K. Motovilov
	UNION OF DISCRETIZED SPECTRA FOR SCATTERING CALCULATIONS	Vladimir Pomerantsev
	RECENT PROGRESS IN DESCRIPTION OF NN SCATTERING WITH THE DIBARYON MODEL	Olga Rubtsova
	THEORETICAL STUDY OF ANTIHYDROGEN FORMATION REACTIONS IN THE THREE BODY E-E+$\bar{P}$ SYSTEM VIA FADDEEV-MERKURIEV EQUATIONS IN TOTAL ORBITAL MOMENTUM REPRESENTATION	Vitaly Gradusov
11:40-12:10	**Coffee-break** Перерыв	
12:10	BOSE-HUBBARD MODELS WITH ON-SITE AND NEAREST-NEIGHBOR INTERACTIONS: EXACTLY SOLVABLE CASE	Saidakhmat Lakaev
	MINLOS-FADDEEV REGULARIZATION OF ZERO-RANGE INTERACTIONS IN THE THREE-BODY PROBLEM	Anastasia Malykh
	ABSENCE OF THE THREE-BODY BOUND STATES FOR SMALL MASS RATIO IN THE TWO-COMPONENT SYSTEM	Oleg Kartavtsev
	POTENTIAL SPLITTING APPROACH FOR SCATTERING PROBLEM FOR FEW-BODY QUANTUM SYSTEMS	Evgeny Yarevsky
	SIMPLE MODEL OF DISSOCIATION BASED ON TIME-DEPENDENT FADDEEV EQUATIONS	Vladimir Roudnev
14:00-15:00	**Lunch** Обед	
15:00	QUANTUM-QUASICLASSICAL APPROACH FOR FEW-BODY PROBLEMS IN ATOMIC AND NUCLEAR PHYSICS	Vladimir Melezhik
	HYDROGEN ATOM IN STRONG ELLIPTICALLY POLARIZED LASER FIELDS WITHIN DISCRETE-VARIABLE REPRESENTATION	Sara Shadmehri
	THE REPROJECTION METHOD FOR INELASTIC COLLISION PROCESSES	Andrey Belyaev
	LITHIUM-10 AS BORROMEAN NUCLEUS SUBSYSTEM	Pavel Sharov
	PECULIARITIES OF THE ENERGY SPECTRUM OF THE 12C NUCLEUS IN A 3A MODEL	Ergash Tursunov
16:40-17:10	**Coffee-break** Перерыв	

Section 2 - Experimental and theoretical studies of nuclear reactions: High energies

Секция 3 - Промежуточные и высокие энергии, столкновения тяжелых ионов

Leninskiye Gory, 1-2 (Faculty of Physics, auditorium 05)
Ленинские горы, д.1, с.2 (Физический факультет, Ц-05)

10:00	NUCLEI IDENTIFICATION BY MULTIPLE ENERGY LOSSES IN DETECTORS OF THE PAMELA SPECTROMETER	Vladislav Alekseev
	THE CROSS-SECTION OF NUCLEAR-TUNGSTEN INTERACTIONS OBTAINED WITH MEASUREMENTS OF COSMIC RAYS BY PAMELA	Olga Golub
	MEASUREMENT OF THE REACTIONS WITH LIGHT NUCLEI BY AMBER EXPERIMENT AT CERN	Alexey Dzyuba

	ЗАХВАТ СОЛНЕЧНЫХ НЕЙТРИНО ЯДРАМИ МОЛИБДЕНА 98 и 100	Алексей Осипенко
	CROSS SECTION OF NEUTRINO ABSORPTION BY 82SE NUCLEI	Sergei Semenov
11:40-12:10	**Coffee-break** Перерыв	
12:10	STUDY OF THE MECHANISMS OF HADRON-NUCLEAR INTERACTIONS ON THE POSITIVE BEAM LINE 18 OF U-70 ACCELERATOR (EXPERIMENT PROPOSAL)	Serguei Sadovsky
	STUDY OF TAGGED NEUTRINO BEAM CHARACTERISTICS AT THE U-70 ACCELERATOR	A. A. Sokolov
	DEUTERON BEAM VECTOR POLARIZATION MEASUREMENT USING PROTON-PROTON QUASIELASTIC SCATTERING AT THE ENERGIES FROM 200 TO 650 MEV/NUCLEON	Ivan Volkov
	CONSTRUCTION MANAGEMENT INFORMATION SYSTEM AT JINR	Cesar Ceballos Sanchez
14:00-15:00	**Lunch** Обед	

Section 2 - Experimental and theoretical studies of nuclear reactions

Секция 2 - Экспериментальные и теоретические исследования ядерных реакций

Leninskiye Gory, 1-2 (Faculty of Physics, SFA)
Ленинские горы, д.1, с.2 (Физический факультет, СФА

15:00	LOW ENERGY INCOMPLETE FUSION REACTIONS: PROBING OF ENTRANCE CHANEEL EFFECTS	ANUJ KUMAR JASHWAL
	INVESTIGATION OF FISSION MODES OF 248CF AND 254,256FM FORMED IN THE REACTIONS WITH HEAVY IONS	A.A. Ostroukhov

	STUDY OF EXCITATION FUNCTIONS FOR TRANSFER REACTIONS 197AU(3HE, d)198HG AND 197AU(3HE, t)197HG WITH 3HE BEAMS AT ENERGY UP TO 30 MEV	Nikolay Skobelev
	STUDY OF MULTINUCLEON TRANSFERS IN REACTIONS WITH 48CA IONS ON AU, U TARGETS AT AN ENERGY OF 280 MEV	Aleksei Shakhov
16:40-17:10	**Coffee-break** Перерыв	
17:10	STUDIES OF EXCITED STATES OF 9BE IN THE REGION OF 11-13 MEV EXCITATION	Viktar Starastsin
	A SYSTEMATIC STUDY OF EXCITATION FUNCTIONS IN ALPHA PARTICLE INDUCED REACTIONS AT MODERATE EXCITATIONS: A COMPARATIVE STUDY OF PRE-EQUILIBRIUM EMISSION MODEL CODES	AVINASH AGARWAL
	CROSS-SECTION MEASUREMENT FOR THE 7LI(P,P'¤)7LI AND 7LI(P,¤)4HE REACTION	D. Kasatov
	DIFFERENTIAL CROSS-SECTIONS FOR ELASTIC BACKSCATTERING OF ALPHA PARTICLES BY CARBON	Timofey Bobrovskii

Section 2 - Experimental and theoretical studies of nuclear reactions (Few body)

Секция 2 - Экспериментальные и теоретические исследования ядерных реакций

Leninskiye Gory, 1-2 (Faculty of Physics, CFA)
Ленинские горы, д.1, с.2 (Физический факультет, ЦФА

17:10	RADIATIVE CAPTURE IN THE ^{4}HE + ^{2}H SYSTEM IN THE FRAMEWORK OF A MICROSCOPIC APPROACH	Alexander Solovyev
	MUON CAPTURE ON THE DEUTERON. THE MUSUN EXPERIMENT	N.I. Voropaev
	PRELIMINARY DATA OF THE EXPERIMENT ON THE STUDY OF PROTON-PROTON CORRELATIONS IN THE d + 1H → p + p + n REACTION	Viacheslav Mitcuk

	EXPERIMENTS TO SEARCH FOR SINGLET DEUTERON AND PROBLEM OF THE DINEUTRON	Sergey Borzakov
	DATA ON THE NP-SCATTERING LENGTH FROM THE ND-BREAKUP REACTION AT LOW ENERGIES	Aleksandr Kasparov

Section 3 - Intermediate and high energies, heavy ion collisions

Секция 3 - Промежуточные и высокие энергии, столкновения тяжелых ионов

Leninskiye Gory, 1-2 (Faculty of Physics, room 3-13)
Ленинские горы, д.1, с.2 (Физический факультет, ауд. 3-13)

10:00	STUDY OF CUMULATIVE PROCESSES IN CORRELATION WITH STRANGENESS AND CHARM PRODUCTION IN HADRONIC COLLISIONS AT SPS AND NICA ENERGIES.	Semyon Yurchenko
	CHARMED PARTICLE PRODUCTION IN GEANT4	Aida Galoian
	MAGNITUDE AND SKEWNESS OF ELLIPTIC FLOW FLUCTUATIONS AT NICA ENERGIES	Vinh Luong
	MPD PROSPECTS FOR THE STUDY OF HADRON AND (HYPER)NUCLEI PRODUCTION AT NICA ENERGIES	Alexander Mudrokh
	SEARCH FOR NUCLEON-NUCLEON CORRELATIONS IN NUCLEUS-NUCLEUS COLLISION AT THE MPD/NICA	Bogdan Lavrov
11:40-12:10	**Coffee-break** Перерыв	
12:10	TOTAL AND PARTIAL SHEAR VISCOSITY OF HADRONS IN AU+AU COLLISIONS AT INTERMEDIATE ENERGIES ACCESSIBLE TO NICA	Evgeny Zabrodin
	METHODS FOR CENTRALITY DETERMINATION IN HEAVY-ION COLLISIONS WITH THE MPD EXPERIMENT	Ilya Segal
	PERFORMANCE FOR SPECTATOR SYMMETRY PLANE ESTIMATION WITH THE BM@N EXPERIMENT	Mikhail Mamaev
	STUDY OF SPECTATORS WITH FHCAL IN THE MPD/NICA EXPERIMENT	Vadim Volkov
	THE EFFECT OF CHARGED PARTICLE MULTIPLICITY FLUCTUATIONS ON CENTRALITY DETERMINATION PROCEDURE USING BAYESIAN APPROACH AT NICA ENERGY RANGE	Dim Idrisov
14:00-15:00	**Lunch** Обед	
15:00	MEASUREMENT OF THE TIMING RESOLUTION OF SCINTILLATION DETECTORS SAMPLES OF A FUTURE TIME-OF-FLIGHT NEUTRON DETECTOR FOR THE BM@N EXPERIMENT	Aleksandr Makhnev
	ANISOTROPIC FLOW MEASUREMENTS FROM THE NA61/SHINE AND NA49 BEAM MOMENTUM SCAN PROGRAMS AT THE CERN SPS	Oleg Golosov
	STUDY OF THE MPSD RESPONSE IN O+NI COLLISIONS AT 2 AGEV AT THE MCBM	Nikolay Karpushkin
	READOUT ELECTRONICS FOR THE WIDE APERTURE SILICON TRACKING SYSTEM OF THE BM@N EXPERIMENT AT NICA	Mikhail Shitenkov
	ONLINE DATA PROCESSING AND MONITORING OF THE BM@N EXPERIMENT	Ilnur Gabdrakhmanov
16:40-17:10	**Coffee-break** Перерыв	
17:10	EFFECTS OF LOCAL PARITY NONCONSERVATION IN STRONG INTERACTIONS IN PB-PB COLLISIONS AT LHC ENERGY	Vladimir Kovalenko
	SMOKING GUN OF NUCLEAR CLUSTERIZATION IN COLLISIONS OF LIGHT RELATIVISTIC NUCLEI	Aleksandr Svetlichnyi

	ROLE OF STRING FUSION MECHANISM IN FLUCTUATION STUDIES	Daria Prokhorova
	DEVELOPMENT OF A NON-EQUILIBRIUM HYDRODYNAMIC APPROACH TO DESCRIBING THE EMISSION OF HIGH-ENERGY SECONDARY PARTICLES IN COLLISIONS OF HEAVY IONS OF INTERMEDIATE ENERGIES	Alexander Dyachenko
	ON OPPORTUNITY OF STUDY OF LOW LAYING EXOTIC STATES WITH HEAVY ION COLLISIONS	Mikhail Barabanov

Section 5 - Design and development of charged particle accelerators and ionizing radiation sources

Секция 5 - Проектирование и разработка ускорителей заряженных частиц и источников ионизирующего излучения

Leninskiye Gory, 1-2 (Faculty of Physics,room 5-42)
Ленинские горы, д.1, с.2 (Физический факультет, ауд. 5-42)

10:00	COMPTON GAMMA-RAY SOURCE BASED ON 500 MEV ELECTRON ACCELERATOR: UNIQUE PARAMETERS AND POSSIBLE APPLICATIONS	Aleksander Kuznetsov
	COMPTON X-RAY SOURCE BASED ON 50-MEV ACCELERATOR AND ITS APPLICATIONS	Igor Artyukov
	HIGH-POWER ELECTON ACCEERATORS FOR THE PRODUCTION OF MEDICAL RADIOISOTOPES	Andrey Ermakov
	THE EXPERIMENTAL RESEARCH OF CYCLOTRON DC-280 WORK	Vasilii Semin
	ELECTRON ACCELERATOR FOR NEUTRON THERAPY AND RADIOISOTOPES PRODUCTION	Yu.A. Kurachenko
11:40-12:10	**Coffee-break** Перерыв	
12:10	LUE-200 ACCELERATOR – THE DRIVER OF THE PULSE RESONANCE NEUTRON SOURCE IREN	Anatoly Sumbaev

	ELECTRON ACCELERATORS DESIGN AND CONSTRUCTION AT LOMONOSOV MOSCOW STATE UNIVERSITY	Vadim Khankin
	CONTINUOUS-WAVE ELECTRON LINACS FOR SCIENCE AND INDUSTRY	Dmitry Yurov
	ENERGY CONVERSION IN ELECTRONICALLY CONTROLLED DISCRETE ION-PLASMA DYNAMICS INSTALLATIONS	Vitaly Radenko, Alexander Chipura
	BIOLOGICAL PROTECTION CALCULATION OF THE ELEXTRON ACCELERATOR MT-25 FLNR JINR BY USING FLUKA SOFTWARE PACKAGE	Yeldos Bolatkazyyev
14:00-15:00	**Lunch** Обед	
15:00	NMR-BASED INJECTION FIELD MEASUREMENT SYSTEM FOR MEDICAL PROTON SYNCHROTRON	Mikhail Belikhin
	OPTIMIZATION OF OPERATING MODES OF MEDICAL SYNCHROTRON FOR PROTON IMAGING APPLICATION	Alexander Pryanichnikov
	THE OPERATIONAL METHOD FOR CALCULATING THE BIOLOGICAL PROTECTION OF LOW-ENERGY HEAVY ION ACCELERATORS	Raushan Kabytayeva
	4 MEV ENERGY PROTONS FOCUSING BY DIELECTRIC CAPILLARY IN THE AIR	K. E. Kantserova, I. A. Karpov
	MONITORING OF PULSED INTERMEDIATE-ENERGY NUCLEON BEEMS USING AIR ACTIVATION	Vladimir Skorkin
16:40-17:10	**Coffee-break** Перерыв	
17:10	NON-DESTRUCTIVE MEASUREMENT OF DETAILED TRANSVERSE BEAM DISTRIBUTION WITH THE USE OF AN IONIZATION MONITOR	Konstantin Timoshenko
	EMISSION NANOSTRUCTURE SOURCES IN MULTI-WIRE PROPORTIONAL CHAMBERS WORKING AT LHC	G. E. Gavrilov

	MODELLING OF ION TRANSFER PROCESSES IN A MAGNETO-OPTICAL SYSTEM OF SOLENOIDS AND MAGNETIC QUADRUPOLE LENSES WITH DISCRETE FLOW COMPACTION	Илья Васильев, Aleksandr Bagrov
	ALGORITHMS FOR DESIGNING POWERFUL MULTICAVITY KLYSTRONS	Valentin Ivanov

Section 6 - Applications of nuclear methods in science and technology

Секция 6 - Применение ядерных методов в науке и технике

Leninskiye Gory, 1-5 (MSU SINP 19 building, room 2-15)
Ленинские горы, д.1, с.5 (19 корпус НИИЯФ МГУ, ауд. 2-15)

17:00	ON THE QUESTION OF NUMERICAL SIMULATION OF THE EXPERIMENT ON COMPRESSION AND HEATING OF A TARGET IN A MAGNETIC FIELD	Sergei V. Ryzhkov
	COMPARATIVE ANALYSIS OF VARIOUS VARIANTS OF MAGNETO-INERTIAL THERMONUCLEAR FUSION	Nikita Batrak
	INVESTIGATION OF THE CONDITIONS FOR THE FORMATION OF PARTICLE FLUXES AND HIGH-POWER RADIATION IN A PLASMA WITH A STRONG MAGNETIC FIELD	Nikita Kopaleishvili
	COUPLING CORROSION- AND PRESSURE-ASSISTED STRESS BUILDUP WITHIN THE ZIRCONIUM IN PWR PIPES	Asghar Aryanfar
	PHYSICAL FEATURES OF THE VVER-1200 REACTOR CORE REFLECTOR MODEL IN SERPENT CODE	Krystsina Usheva

Section 8 - Nuclear technology and methods in medicine, radioecology

Секция 8 - Ядерные технологии и методы в медицине, радиоэкология

Leninskiye Gory, 1-5 (MSU SINP 19 building, room 2-15)
Ленинские горы, д.1, с.5 (19 корпус НИИЯФ МГУ, ауд. 2-15)

10:00	ADVANTAGES AND DISADVANTAGES OF TIMEPIX DETECTOR FOR SPECT/CT	Vladislav Rozhkov
	SIMULATION OF ELECTRON DOSE DISTRIBUTION IN TISSUE EQUIVALENT LAYERS OF MULTILAYER IONIZATION CHAMBER	Michael Lifanov
	SOFTWARE FOR PROCESSING AND ANALYZING DATA FOR DETECTORS OF THE MEDIPIX FAMILY	Aleksandr Lapkin
	MAPBBR3-BASED RADIATION DETECTOR	M. T. R. Zaitov
	STUDY OF DOSE DELIVERY FOR TOTAL BODY IRRADIATION ON TOMOTHERAPY USING EXIT DETECTOR DATA	Diana Tovmasian
11:40-12:10	**Coffee-break** Перерыв	
12:10	SPATIAL DISTRIBUTION OF ATMOSPHERIC AEROSOL DEPOSITION MEASURED WITH 7BE AS A TRACER AND MOSSES AS A SAMPLING MEDIUM	Miodrag Krmar
	STUDY OF VOLUMETRIC ACTIVITY OF RADON IN AQUATIC MEDIUM BY METHOD LIQUID-SCINTILLATION SPECTROMETRY	Галина Игнатьева
	DOSIMETRIC INDICATORS OF ULCERATIVE-NECROTIC LESIONS OF THE DIGESTIVE TRACT OF MONOGASTRIC ANIMALS WITH INCORPORATED "HOT" RADIOACTIVE PARTICLES	S. Shapovalov
	STUDY OF TIKHONOV REGULARIZATION IN SPECTRA RECONSTRUCTION	Alexander Nikitchenko
	INCREASING IRRADIATION UNIFORMITY AT INDUSTRIAL ELECTRON ACCELERATORS	Sergey Zolotov

14:00-15:00	**Lunch** Обед	
15:00	PHOTONUCLEAR METHOD OF 161TB PRODUCTION	Nadezhda Fursova
	PHOTONUCLEAR METHOD FOR THE PRODUCTION OF MEDICAL RADIOISOTOPE 72AS	Fazilat Rasulova
	PRODUCTION OF MEDICAL RADIONUCLIDE 82RB USING PHOTONUCLEAR REACTIONS	Fazilat Rasulova
	212PB: PRODUCTION AND APPLICATIONS	Konstantin Kokov
	LABORATORY GENERATOR FOR 212PB PRODUCTION	Konstantin Kokov
	NASOLACRIMAL DUCTS PHARMACOSAFETY OF 131-IODINE	Alexey Trukhin
	RADIATION SOURCE CHARACTERISTICS ANALYSIS DURING BRACHYTHERAPY WITH THE RING APPLICATOR FOR DIFFERENT IRRADIATION PLANS	D.I. Kozlovsky
16:40-17:10	**Coffee-break** Перерыв	

July 16, Sat

16 июля, сб

Leninskiye Gory, 1-2 (Faculty of Physics, CFA)
Ленинские горы, д.1, с.2 (Физический факультет, ЦФА

10:00-15:15 **Plenary session**
Пленарные доклады

10:00	**NUCLEON RESONANCE STRUCTURE AND EMERGENCE OF HADRON MASS FROM CLAS/CLAS12 DATA**	**Evgeny Isupov**
10:35	**STATUS OF THE MPD@NICA PROJECT**	**Viktor Riabov**
11:10	**STUDIES OF DENSE BARYONIC MATTER WITH THE BM@N EXPERIMENT AT THE NUCLOTRON**	**Sergei Merts**
11:45	**SUPERNOVA NEUTRINO SPECTRA & OBSERVATIONS BY LARGE VOLUME TELESCOPES**	**Vladimir Kondratyev**
12:20-12:50	**Coffee-break** Перерыв	
12:55	**PIK REACTOR COMPLEX**	**Vladimir Voronin**
13:30	**MODERN TECHNOLOGIES FOR THE PRODUCTION OF NUCLEAR MEDICINE ISOTOPES**	**Vladimir Zherebchevsky**
14:05	**NUCLEAR REACTIONS CONTRIBUTION IN SPACECRAFT ON-BOARD ELECTRONICS FAILURES**	**Nikolay Chechenin**