

LXXIV International conference Nucleus-2024: Fundamental problems and applications

Monday 1 July 2024

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
15:20	[227] Search for halo structures in ${}^8\text{Li}$	DANILOV, Andrey
15:35	[19] Population of tetraneutron continuum in reactions of ${}^8\text{He}$ on deuterium	MUZALEVSKII, Ivan
15:50	[131] Investigation of spectral structure of ${}^{11}\text{Be}$ in breakup reactions within quantum-quasiclassical approach	VALIOLDA, Dinara
16:05	[152] Measurement of angular distributions of differential cross sections of products of the ${}^7\text{Li}+{}^{10}\text{B}$ reaction	STUKALOV, Sergei
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

Tuesday 2 July 2024

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

time	[id] title	presenter
09:30	[209] EMISSION OF HIGH-ENERGY 4He AND $6,7\text{Li}$ NUCLEI IN NUCLEAR REACTION OF 56Fe IONS ON 238U TARGET	MASLOV, Vladimir
09:50	[201] Resonance amplification of nuclear reaction $X(a,b)Y$ near the $a+X$ channel threshold	MELEZHNIK, Vladimir
10:10	[276] Neutron transfer in reactions $7\text{Li}, 48\text{Ca} + 197\text{Au}$ at above-barrier energies	SHAKHOV, Aleksei
10:30	[326] SYMMETRY BREAKING EFFECTS IN THE INTERACTION OF SLOW NEUTRONS WITH LEAD NUCLEUS	Dr ОПРЕА, Иоан
10:45	[303] Quenching factor of spectroscopic factors extracted from single-nucleon transfer reactions	ZHU, Hongyu
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

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

time	[id] title	presenter
09:30	[182] Оценка коэффициентов корреляции спинов фрагментов двойного деления ядер	PISKLYUKOV, Andrey
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	Dr S, Sanila
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
10:30	[48] New indications and evidences of multibody partitions of $252\text{Cf}(sf)$	PYATKOV, Yury
10:50	[236] Развитие квантовой теории спонтанного двойного деления	LYUBASHEVSKY, Dmitrii
11:10	[271] EXPERIMENTAL STUDY OF MODAL FISSION OF EXCITED HEAVY NUCLEI	ITKIS, Yulia

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
12:20	[343] Quantum mechanical analysis of angular oscillations at scission point: Implications for fission fragment angular momentum generation	RAHMATINEJAD, Azam
12:40	[346] Low-energy incomplete fusion: A systematic study of entrance channel parameters	Mr JASHWAL, Anuj Kumar
13:00	[356] Validity analysis of gamma-ray strength function models for radiative capture reactions of heavy nuclei	NASRI NASRABADI, Mehdi
13:20	[149] TOTAL REACTIONS CROSS SECTIONS MEASURING METHODS	SOBOLEV, Yuri

13:40	[155] Influences of the isospin-asymmetry and nuclear skin thickness on the structure and reactions of heavy nuclei	SEIF, Walaal
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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
12:20	[97] Neutron-Induced Fission Cross Section of ^{237}Np up to 500 MeV	VOROBYEV, A.S.
12:40	[157] Fission of ^{243}Am by neutrons of intermediate energy: analysis of cross section and angular anisotropy of fission fragments	BARABANOV, A. L.
13:00	[233] The effect of the non-axial shape of nuclei on the fission characteristics in the Langevin approach	KOSTRYUKOV, Pavel
13:20	[258] Appearance of the hindrance to complete fusion in heavy-ion collisions	NASIROV, Avazbek
13:40	[212] Fission modes and deformed nuclear shells in mass and energy distributions of fission fragments of ^{237}Pu compound nuclei formed in $^{233}\text{U}(\alpha, f)$ reaction at 24 and 29 MeV incident alpha particle energy	PAN, Andrey

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
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
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
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 ^8Be	RODKIN, Dmitry
16:20	[36] THEORETICAL STUDY OF THE TRANSFER REACTIONS IN THE D + D SYSTEM	Dr SOLOVYEV, Alexander
16:40	[111] ИССЛЕДОВАНИЕ РЕАКЦИЙ ПОД ДЕЙСТВИЕМ БЫСТРЫХ НЕЙТРОНОВ НА ЯДРЕ ^{10}B С ИСПУСКАНИЕМ ТРИТИЯ С ПОМОЩЬЮ КООРДИНАТНОГО ДЕТЕКТОРА	Dr ПОТАШЕВ, Станислав

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 γ -SOURCES FROM COMPTON BACKWARD-SCATTERING	Dr DZHILAVYAN, Leonid
15:20	[44] PHOTONEUTRON REACTION CROSS SECTIONS RELIABILITY IN DIFFERENT TYPE EXPERIMENTS	Prof. VARLAMOV, Vladimir

15:40	[327] THE ISOSPIN SPLITTING OF GDR AND PHOTOPROTON REACTIONS ON MERCURY ISOTOPES	PORYADINA, Olesya
15:50	[335] PHOTOPROTON REACTIONS ON ERBIUM ISOTOPES	FURSOVA, Nadezhda
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
16:20	[118] EXPERIMENTAL STUDY OF RELATIVE PROBABILITY OF HIGH-SPIN ISOMERIC STATES POPULATION IN (α, n) -REACTIONS	Dr T. V. CHUVILSKAYA
16:40	[130] Stimulation of Re-186m isomeric nuclei de-excitation in high-current Z-pinch plasma at the "Angara-5-1" facility	KOLTISOV, Vladimir

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}C below 10 MeV in nuclear reactions induced by 18 MeV deuteron beam	JANSEITOV, Daniyar
17:50	[280] Observation of positive parity wave in low energy spectrum of ^7He	BEZBAKH, Andrey
18:10	[211] DETERMINATION OF NUCLEAR MATTER RADII USING S-MATRIX FOR ELASTIC SCATTERING OF IDENTICAL NUCLEI	SAMARIN, Viacheslav
18:25	[72] Исследование испарительных каналов реакций полного слияния с тяжелыми ионами, приводящих к образованию ядер с $88 \leq Z \leq 102$.	Mrs КУЗНЕЦОВА, Алёна
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	Dr PRUSACHENKO, P.S.
18:55	[98] Определение низкоэнергетических параметров $\rho\rho$ -состояния в реакции $d+d \rightarrow p+p+n$	МИЦУК, Вячеслав
19:10	[215] Исследование вариации МНД	ZEYNALOV, Shakir

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 (γ, xn) -reactions on natural iridium at 55 MeV bremsstrahlung energy	PUPYSHEV, Vladimir
17:50	[137] Исследование угловых распределений и сечений излучения гамма-квантов на ядрах Si, O и C в реакциях с быстрыми нейтронами	ANDREEV, Alexander
18:10	[144] Role of entrance channel angular momentum on the mass-energy distributions of ^{224}Th	Dr DEY, ANIRUDDHA
18:30	[291] Experimental study of MNT process in the reaction $^{209}\text{Bi} + ^{238}\text{U}$ at energy 1.85 GeV	VOROBEOV, Igor
18:50	[96] Competition between deep-inelastic transfer and fragmentation reactions in heavy-ion collisions at Fermi energy region	БАТЧУЛУУН, Эрдэмчимэг
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
19:20	[241] exotic structure studies of light neutron-rich nuclei via transfer reactions	LOU, Jianling

Friday 5 July 2024

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}Ti	ISSATAYEV, Talgat
14:10	[176] TARGET DEPENDENCE OF THE ISOTOPE DISTRIBUTIONS IN HEAVY-ION REACTIONS AT FERMI ENERGIES	MIKHAYLOVA, Tatiana
14:25	[305] Study of the Coulomb decay of light fragment produced in the ternary fission of ^{252}Cf	ПАРФЕНОВА, Юлия
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	Mr TSYGANOV, Yury
15:00	[302] Study of the break-up of fission fragments in solid-state foils using double-hit experimental approach	KAMANIN, Dmitry