

LXXV International Conference «NUCLEUS – 2025. Nuclear physics, elementary particle physics and nuclear technologies»

Tuesday 1 July 2025

2. Experimental and theoretical studies of nuclear reactions - 3058 (17:40 - 19:00)

time	[id] title	presenter
17:40	[94] Ternary fission of actinides induced by thermal neutrons with light particles emission	TITOVA, Larisa
18:00	[481] Sequential mechanism of triple collinear nuclear fission	KADMENSKY, Stanislav
18:20	[145] Light ions accompanied break-up of the medium heavy fission isomers	Dr KAMANIN, Dmitry
18:40	[96] Coming back to the problem of the true ternary fission - actual view	YURY, Pyatkov

Wednesday 2 July 2025**2. Experimental and theoretical studies of nuclear reactions - Филологический факультет, 198, Турецкий кабинет (11:30 - 13:30)**

time	[id] title	presenter
11:30	[171] Description of the ${}^3\text{H}({}^d\text{d}, {}^n\text{n}){}^4\text{He}$ reaction at low energies within the microscopic multichannel cluster approach	SOLOVYEV, Alexander
11:50	[436] Альфа-кластерные состояния в легких нейтроноизбыточных ядрах	ТОРИЛОВ, Сергей
12:10	[378] Измерение угловых распределений распада ${}^7\text{He}$	БЕЗБАХ, Андрей
12:30	[41] ANCs of the ${}^{11}\text{B}+p$ overlap from the p -transfer reactions with d and ${}^3\text{He}$ projectiles	SON, Irina
12:50	[282] ANC for the ${}^7\text{Li} \rightarrow \{{}^6\text{He}+p\}$ overlap from the ${}^7\text{Li}(d, {}^3\text{He}){}^6\text{He}$ reaction	SON, Irina
13:10	[139] Новая модель функции отклика детектора с алмазным чувствительным элементом при регистрации ДТ нейтронов	ВЕРШИНИН, Иван

2. Experimental and theoretical studies of nuclear reactions - Филологический факультет, 198, Турецкий кабинет (14:50 - 16:30)

time	[id] title	presenter
14:50	[137] Calculation of target dependence of the isotope distributions in heavy-ion reactions at energies from 35 to 140 MeV per nucleon in the modified transport-statistical model	MIKHAILOVA, Tatiana
15:10	[357] Исследование протон-индуцированных реакций на скандии при энергии пучка 160 МэВ	АДОНЬЕВ, Степан
15:30	[263] Experimental Investigation of Mass and Total Kinetic Energy Distributions of Fragments Formed in the ${}^{48}\text{Ca} + {}^{208}\text{Pb}$ Reaction	SATHYAN, Sanila
15:50	[144] Исследование упругого рассеяния ядер ${}^{40,48}\text{Ca}$ на ядрах ${}^{197}\text{Au}$	МОЛОТОРЕНКО, Ксения
16:10	[253] Description of the multinucleon transfer reactions within dinuclear system model	KALANDAROV, Shukhrat

2. Experimental and theoretical studies of nuclear reactions - Филологический факультет, 198, Турецкий кабинет (16:50 - 18:30)

time	[id] title	presenter
16:50	[280] Упругое рассеяния адронов на ядрах ${}^7\text{Be}$ и ${}^8\text{B}$ при промежуточных энергиях	АБДРАМАНОВА, Гульбану
17:10	[42] Description of polarization observables in dp elastic scattering at a GeV energies	LADYGINA, Nadezhda
17:30	[215] The analysis of experimental data in the reaction ${}^{40}\text{Ar}+{}^9\text{Be}$ at energy 36 MeV/nucleon and comparison with model calculations	BATCHULUUN, Erdemchimeg
17:50	[232] Experimental study of multinucleon transfer reactions induced by ${}^{209}\text{Bi}$	VOROBEOV, Igor
18:10	[28] Nucleon-nucleon correlations in transfer reactions induced by heavy ions	LINARES, Roberto

Thursday 3 July 2025**2. Experimental and theoretical studies of nuclear reactions - Филологический факультет, 198, Турецкий кабинет (11:25 - 13:05)**

time	[id] title	presenter
11:25	[435] Prospects for studying the structure of unbound nuclei in (d,p) reactions	Dr SHAROV, Pavel
11:45	[132] Исследование проявлений ^3N -взаимодействия в малонуклонных реакциях	КАСПАРОВ, Александр
12:05	[33] Вычисление сечений реакций радиационного захвата протонов на ядрах р-оболочки	РОДКИН, Дмитрий
12:25	[142] Кинематическое моделирование эксперимента по определению низкоэнергетических характеристик pp -взаимодействия в реакции $\text{p} + ^2\text{H} \rightarrow \text{p} + \text{p} + \text{n}$	МИЦУК, Вячеслав
12:45	[110] Расчёт сечений реакций синтеза ядер в условиях мюонного катализа	ЕГОРОВ, Михаил

2. Experimental and theoretical studies of nuclear reactions - Филологический факультет, 198, Турецкий кабинет (14:20 - 16:00)

time	[id] title	presenter
14:20	[149] Neutron-induced fission cross section of ^{239}Pu , ^{240}Pu and ^{242}Pu in the energy range from 0.3 to 500 MeV	VOROBYEV, Alexander
14:40	[224] Study of the competition between fusion-fission and quasifission processes in reactions $^{40,42,44,48}\text{Ca} + ^{208}\text{Pb}$.	NOVIKOV, Kirill
15:00	[7] Prompt fission neutron spectra in $^{238}\text{U}(\text{p},\text{F})$ & $^{238}\text{U}(\text{n},\text{F})$ and $^{232}\text{Th}(\text{p},\text{F})$ & $^{232}\text{Th}(\text{n},\text{F})$ reactions	MASLOV, Vladimir
15:20	[91] Recent theoretical investigation for the synthesis of superheavy elements using the DNS model	KAYUMOV, Bakhodir
15:40	[6] Angular anisotropy in pre-fission neutron spectra and PFNS of $^{238,239,240,241,242}\text{Pu}(\text{n}, \text{F})$	MASLOV, Vladimir

2. Experimental and theoretical studies of nuclear reactions - Филологический факультет, 198, Турецкий кабинет (16:20 - 18:20)

time	[id] title	presenter
16:20	[240] Nucleon clustering modelling in heavy nuclei fission taking into account the Coulomb interaction	UNZHAKOVA, Anna
16:40	[128] Probing role of two neutron excess projectile: An exclusive study on incomplete fusion dynamics	GANGWAR, SATYAM
17:00	[111] Decay of the spontaneous fission isomers in the Coulomb field of third nucleus	Mr OTAKHONOV, Farrukh
17:20	[225] Study the role of entrance channel angular momentum on the fusion-fission and quasifission reactions	DEY, Aniruddha
17:40	[95] Investigation of reactions with ^{50}Ti and ^{54}Cr for the synthesis of new elements	Dr IBADULLAYEV, Dastan
18:00	[196] Double-humped fission barrier and statistical mechanism of formation of angular anisotropy of fission fragments	BARABANOV, A.L.

Friday 4 July 2025

2. Experimental and theoretical studies of nuclear reactions - 3058 (11:20 - 13:00)

time	[id] title	presenter
11:20	[277] Recent developments in Geant4 pre-compound and deexcitation modules	CHALYI, Nikita
11:40	[422] Recent experimental results on pre-compound emission reactions at low energies	Prof. SHARMA, Manoj Kumar
12:00	[170] Результаты моделирования реакций T(d,n)4He и D(d,n)3He с использованием Geant4	ДОЛГОПОЛОВ, Александр ВЕРШИНIN, Иван
12:20	[443] Isospin conserving model for the TTIK technique	GRIGORENKO, Leonid KHIRK, Misha
12:40	[469] Единый подход к описанию прямого и двухступенчатого механизмов в реакциях перезарядки	УРАЗБЕКОВ, Бакытжан

Saturday 5 July 2025

2. Experimental and theoretical studies of nuclear reactions - 3058 (11:30 - 12:50)

time	[id] title	presenter
11:30	[198] Результаты измерения дифференциального сечения образования мгновенных гамма-квантов в реакциях быстрых нейтронов с ядрами железа	ГАГАНОВ, Валерий
11:50	[211] Activation measurements of multinucleon transfer cross sections in $^{48}\text{Ca}+\text{Au}$ and $^{40}\text{Ca}+\text{Au}$ reactions at energies near the Coulomb barrier	SHAKHOV, Aleksei
12:10	[174] Hot nuclei in collisions of light relativistic beams of the Nuclotron accelerator (JINR, Dubna) with a heavy target	AVDEYEV, Sergej
12:30	[16] The search for unstable α -particle states in fragmentation of relativistic medium and heavy nuclei	ZARUBIN, Pavel

2. Experimental and theoretical studies of nuclear reactions - 3058 (14:10 - 16:10)

time	[id] title	presenter
14:10	[313] Фотоядерные реакции на стабильных изотопах эрбия, диспрозия, палладия и молибдена	ФУРЦОВА, Надежда
14:30	[300] New data for ^{52}Cr and ^{68}Zn from experiments using bremsstrahlung	DAVYDOV, Aleksandr
14:50	[460] Экспериментальные исследования фотоделения ^{238}U и ^{232}Th на тормозных и квазимонохроматических пучках гамма-квантов.	КУЗНЕЦОВ, Александр
15:10	[26] Isospin splitting of giant dipole resonance in medium and heavy nuclei	RASULOVA, Fazilat
15:30	[349] Исследование фотоядерных реакций с вылетом протонов на мишенях естественного осмия при граничной энергии тормозного излучения 23 и 55 МэВ	ЖЕЛТОНОЖСКАЯ, Марина
15:50	[46] Single ionization of helium atom by 75 keV protons	ПОПОВ, Yuri

2. Experimental and theoretical studies of nuclear reactions - 3058 (16:30 - 17:50)

time	[id] title	presenter
16:30	[325] Возбуждение изомерных состояний изотопов Hg и Au в фотоядерных реакциях	ПОРЯДИНА, Олеся
16:50	[48] Универсальная аппроксимация сечения реакции фотоделения	ГРАЧКОВ, Алексей
17:10	[146] Исследование характеристик установки для изучения ядерных реакций с легкими ядрами с парным спектрометром на источниках быстрых нейтронов	КАРАЕВСКИЙ, Сергей
17:30	[176] Образование возбужденных ядер во взаимодействии быстрых нейтронов с ядром ^{10}B при энергии свыше 1 МэВ	ПОТАШЕВ, Станислав

Sunday 6 July 2025

2. Experimental and theoretical studies of nuclear reactions - 3058 (12:30 - 14:50)

time	[id] title	presenter
12:30	[31] On studying decays of E1 giant resonance in heavy nuclei with neutron emission under γ -quanta from Compton backscattering	DZHILAVYAN, Leonid
12:50	[30] On optimization of $(\gamma, n 0; 1; 2)$ - experiments with the proposed neutron spectrometer at national center for physics and mathematics	DZHILAVYAN, Leonid
13:10	[90] Alternative approach for estimating the neck radius of a fissioning nucleus	OTVODENKO, Yana
13:30	[8] Intermediate structure in (p, γ) reactions and in β -decays	IZOSIMOV, Igor
13:50	[229] Effective matter radii of $^{10,11,12}\text{Be}$ nuclei determined from their total reaction cross sections on ^{28}Si target	SAMARIN, Viacheslav
14:10	[168] Time-dependent description of nucleons transfer in $^{40}\text{Ar} + \text{Ag}$ reaction	SAMARIN, Viacheslav
14:30	[292] Role of zero-point transverse oscillations in the Langevin description of nuclear fission	KOSTRYUKOV, Pavel