

LXX International conference "NUCLEUS – 2020. Nuclear physics and elementary particle physics. Nuclear physics technologies"

Monday, October 12, 2020

Section 2. Experimental and theoretical studies of nuclear reactions (3:30 PM - 5:10 PM)

time	[id] title	presenter
3:30 PM	[104] Electron Screening in nuclear reactions at low energies	CVETINOVIĆ, Aleksandra
4:20 PM	[169] Astrophysical production of p nuclides in the fast proton induced p - processes	Dr OPREA, Ioan Alexandru
4:45 PM	[11] Hoyle state and unstable nuclei in relativistic nuclei dissociation	ZAITSEV, Andrei

Tuesday, October 13, 2020

Section 2. Experimental and theoretical studies of nuclear reactions (2:40 PM - 6:15 PM)

time	[id] title	presenter
2:40 PM	[M99] POSSIBLE HALO STATES IN ${}^{12}\text{N}$	Dr DANILOV, Andrey
3:05 PM	[M54] INVESTIGATIONS OF THE EXCITED STATES OF 1P SHELL NUCLEI IN INTERACTION WITH DEUTERONS AT LOW ENERGIES	JANSEITOV, Daniyar
3:30 PM	[M13] Extraction of n -scattering length in n -breakup reaction at neutron energy of 10-80 MeV	KONOBEEVSKI, Eugene
3:55 PM	[M7] Extraction of singlet pp -virtual state energy in $d + {}^1\text{H} \rightarrow p + p + n$ reaction	MITCUK, Viacheslav
4:20 PM	Coffee break	
4:35 PM	[M1] Angular dependencies of the deuteron analyzing powers in dp - elastic scattering at large transverse momenta	Dr LADYGIN, Vladimir
5:00 PM	[M9] Decay dynamics of ${}^{221}\text{Ac}^*$ formed in ${}^{16}\text{O}+{}^{205}\text{Tl}$ reaction at above barrier energies	Dr SHARMA, Manoj Kumar
5:25 PM	[M12] RELATIVISTIC MEAN-FIELD EFFECTIVE NN FORCES IN DYNAMICAL MODELING OF HEAVY-ION FUSION	Dr CHUSHNYAKOVA, Maria

Wednesday, October 14, 2020

Section 2. Experimental and theoretical studies of nuclear reactions (2:40 PM - 5:50 PM)

time	[id] title	presenter
2:40 PM	[M0] On the Proton Spectra in Collisions of Heavy Ions $^{12}\text{C} + ^9\text{Be}$ at Energies of 0.3–2.0 GeV/nucleon in the Framework of the Hydrodynamic Approach	Prof. D'YACHENKO, Alexander
3:05 PM	[M7] Describing Pion Production in Collisions of Heavy Ions at Intermediate Energies in the Hydrodynamic Approach with a Non-Equilibrium Equation of State	Prof. D'YACHENKO, Alexander
3:30 PM	[M15] A NOVEL ALGORITHM FOR CALCULATING PROTON, NEUTRON, AND CHARGE NUCLEAR DENSITIES: COMPARISON WITH THE EXPERIMENTAL DATA	SUKHAREVA, Olga
3:55 PM	[M52] DETERMINATION OF PHOTONEUTRON PRODUCTION FROM DIFFERENT TARGETS IRRADIATED BY ELECTRON BEAM	MELYAN, Elmira
4:20 PM	Coffee break	
4:35 PM	[M69] The Kharkov potential in the theory of 2N- and 3N- systems with solving the relativistic Faddeev equations	SHEBEKO, Aleksandr
5:00 PM	[M73] STUDY OF HADRON SCATTERING ON BORON ISOTOPES WITHIN THE GLAUBER THEORY	IMAMBEKOV, Onlassyn
5:25 PM	[M3] Temperature dependence of the proton emitting decay half-lives using double-folding potential	Dr ALAVI, Seyed Alireza

Section 2. Experimental and theoretical studies of nuclear reactions: Fission (2:40 PM - 5:50 PM)

time	[id] title	presenter
2:40 PM	[M48] MECHANISMS OF THE T-ODD ASYMMETRIES FORMATION IN REACTIONS OF TERNARY FISSION OF NUCLEI BY COLD POLARIZED NEUTRONS WITH THE EMISSION OF ALPHA PARTICLES	LYUBASHEVSKY, Dmitrii
3:05 PM	[M34] THE QUATERNARY FISSION AS A VIRTUAL PROCESS	TITOVA, Larisa
3:30 PM	[M16] Theoretical Description of Fragment Angular Anisotropy in Neutron-Induced Fission of Even-Even Nuclei ^{232}Th , ^{238}U , ^{240}Pu at Energies up to 200 MeV	BARABANOV, Alexey
3:55 PM	Coffee break	
4:10 PM	[M1] PROBING FISSION FRAGMENTS OF $^{182, 183}\text{Hg}$ NUCLEI AT ENERGIES AROUND COULOMB BARRIER	Ms CHERALU HOUSE, Meghashree
4:35 PM	[M3] ENERGY DEPENDENCE OF THE FISSION MODE PROBABILITY OF ^{234}U BY NEUTRONS	ONEGIN, Mikhail
5:00 PM	[M81] REGISTRATION OF DELAYED NEUTRONS FROM ^{238}U PHOTOFISSION AT $E_{\alpha}^{\text{max}} \approx 10$ MeV IN INTERVALS OF $\sim (1 \div 5)$ ms AFTER BEAM PULSES OF THE ELECTRON ACCELERATOR	Dr DZHILAVYAN, Leonid
5:25 PM	[M00] Alpha cluster structure in ^{19}F	Dr NURMUKHANBETOVA, Aliya

Thursday, October 15, 2020**Section 2. Experimental and theoretical studies of nuclear reactions (2:30 PM - 6:05 PM)**

time	[id] title	presenter
2:30 PM	[M27] Data analysis from catcher foil experiment for measurement of cross sections of fusion reaction leading to Hg isotopes.	Mr OPICHAL, Antonin
2:55 PM	[M32] Supersymmetric fission mode in ^{254}Fm nucleus populated by $^{16}\text{O}+^{238}\text{U}$ reaction	Dr BANERJEE, Tathagata
3:20 PM	[M45] Investigation of mass-energy distributions of fragments formed in the $^{32}\text{S}+^{232}\text{Th} \rightarrow ^{264}\text{Sg}$ reaction at energies below and near the Coulomb barrier	Ms GALKINA, Evgeniya
3:45 PM	Coffee break	
4:00 PM	[M08] Supersymmetric fission mode of $^{248,250}\text{Cf}$, $^{254,256}\text{Fm}$ and ^{260}No	GIKAL, Kirill
4:25 PM	[M86] Spectroscopic study of decay properties of transfermium isotopes in Dubna	TEZEKBAYEVA, Mereigul
4:50 PM	[M61] THEORETICAL PREDICTIONS OF THE FRAGMENT AND PROMPT NEUTRON CHARACTERISTICS IN THE SPONTANEOUS FISSION OF SUPERHEAVY NUCLEI.	RUBCHENYA, V.A.
5:15 PM	[M04] Spontaneous fission of $^{252,254}\text{No}$ isotopes	ISAEV, Andrey
5:40 PM	[M57] TEST OF THE $^{16}\text{O}(^{10}\text{B},^9\text{Be})^{17}\text{F}$ REACTION FOR ANC $^{17}\text{F} \rightarrow ^{16}\text{O}+p$ OBTAINING	ERGASHEV, F.Kh.

Friday, October 16, 2020

Section 2. Experimental and theoretical studies of nuclear reactions (3:15 PM - 7:15 PM)

time	[id] title	presenter
3:15 PM	[M55] INVESTIGATION OF THE EXCITATION OF ISOMERIC STATES IN THE REACTIONS (,n), (,2n) AND (n,2n) ON THE NUCLEUS ${}^{197}\text{Au}$	PALVANOV, S.R.
3:40 PM	[M28] Investigation of binary processes in reactions ${}^{36}\text{Ar}+{}^{144}\text{Sm}$ and ${}^{68}\text{Zn}+{}^{112}\text{Sn}$ leading to the formation of neutron-deficient 180, 190Hg composite systems.	BOGACHEV, Alexey
4:05 PM	[M66] Measurements of the γ ray emission cross-sections in Fe($n,x\gamma$)-type reactions	FEDOROV, Nikita
4:55 PM	Coffee break	
5:10 PM	[M50] Ranges of radon and mercury isotopes with energies of 0.12-0.25 MeV/amu in aluminum	CHERNYSHEVA, Elena
5:35 PM	[M70] Charged Particles Emission in Fast Neutrons Processes on Mo Isotopes	Dr OPREA, Ioan Alexandru
6:00 PM	[M12] Study of Ta-178m and Hf-180m in reactions with released charged particles	Prof. ZHELTONOZHSKY, Viktor
6:25 PM	[M20] A study of reactions with the emission of charged particles at $E_{\text{max}} = 55$ MeV on natural tantalum and tungsten targets	Prof. ZHELTONOZHSKY, Viktor
6:50 PM	[M9] Potential Description of $\alpha+{}^{208}\text{Pb}$ Elastic Scattering	Prof. ABDULLAH, Md Nure Alam

Saturday, October 17, 2020

Section 2. Experimental and theoretical studies of nuclear reactions (9:00 AM - 1:50 PM)

time	[id] title	presenter
9:00 AM	[M83] Observation of the 3.82 MeV state from the ${}^9\text{Be}(d,d'){}^9\text{Be}$ reaction at $E(d) = 23$ MeV	Mr STARASTSIN, Viktor
9:25 AM	[M68] MECHANISM OF THE ${}^{11}\text{B}(\alpha, t){}^{12}\text{C}$ REACTION AT AN ENERGY OF 40 MeV	SAKUTA, Stanislav
9:50 AM	[M01] B-10 (γ, t)-reaction study	Dr ZHELTONOZHSKAYA, Marina
10:15 AM	[M06] ${}^6\text{Li}(d,xt)$ reaction total cross section measurements by secondary activation method	Mr GENERALOV, Leonid
10:40 AM	[M03] Optical-model analysis of proton elastic scattering on ${}^6, {}^7\text{Li}$ and ${}^9\text{Be}$ nuclei with resonance part	Mrs SELYANKINA, Svetlana
11:05 AM	Coffee break	
11:20 AM	[M01] Time-dependent calculation for processes of neutron transfer and nuclear breakup in ${}^{11}\text{Li}+{}^{28}\text{Si}$ reaction	AZHIBEKOV, Aidos
11:45 AM	[M02] ASTROPHYSICAL S-FACTOR OF THE DIRECT ${}^3\text{He}(\alpha, \gamma){}^7\text{Be}$ CAPTURE REACTION IN CLUSTER MODELS	TURAKULOV, S.A.
12:10 PM	[M00] INVESTIGATION OF $T({}^1\text{H}, \gamma){}^4\text{He}$ REACTION IN THE ASTROPHYSICAL ENERGY RANGE	Mr CHUMAKOV, D.
12:35 PM	[M00] Polarized dd fusion experiment (PolFusion) in PNPI	Mr SOLOVYEV, Ivan
1:00 PM	[M01] POPULATION OF EXCITED STATES IN ${}^{45}\text{Ti}$ AND ${}^{197}\text{Hg}$ NUCLEI IN CHARGE-EXCHANGE REACTIONS ON LOW-ENERGY ${}^3\text{He}$ BEAMS	Mr ISSATAYEV, T.
1:25 PM	[M84] A possibility of determining cluster structure of ${}^6\text{Li}$ excited states in inelastic scattering of α -particles	KASPAROV, Aleksandr

Section 2. Experimental and theoretical studies of nuclear reactions (2:10 PM - 5:15 PM)

time	[id] title	presenter
2:10 PM	Lunch break	
3:10 PM	[M32] Scattering features on non-spherical potential	Mr KRASSOVITSKIY, Pavel
3:35 PM	[M01] Few-body dynamics and few-body correlations in the dripline nuclei	Prof. GRIGORENKO, Leonid
4:00 PM	[M49] Angular Distribution of Gamma Rays from the Inelastic Scattering of 14.1 MeV Neutrons on Sodium and Chlorine	DABYLOVA, Saltanat
4:25 PM	[M59] Recent studies on pre-compound emission in light and heavy ion reactions at low energies	SHARMA, Manoj Kumar
4:50 PM	[M28] CROSS-SECTIONS FOR THE ${}^{27}\text{Al}(\gamma, 2p){}^{24}\text{Na}$ MULTIPARTICLE REACTION AT $E_{\text{max}} = 31.5\text{-}100$ MeV	Dr DEIEV, O.S.