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# The 7th international conference on particle physics and astrophysics

## Tuesday 22 October 2024

**Poster session: POSTER SESSION (+coffee&wine) - Alexeevskiy hall (17:05-19:00)**

[id] title	presenter	board
[316] Pile-up background estimation in diboson production by the overlay Monte-Carlo method in pp collider experiment	Ms. ZHAROVA, Valeria	
[1] On the generalized parton distributions (GPDs) of spin-3/2 systems	Prof. DONG, Yubing	
[250] Violation of scaling of total charged-particle multiplicity normalized by the number of nucleons-participants in central Xe-Xe and Pb-Pb collisions	SIMAK, Svetlana	
[265] Neutrino oscillations and quantum decoherence	STANKEVICH, Konstantin	
[69] Study of electron flow in a pyroelectric accelerator	SHAPOVALOV, Pavel OLEINIK, Andrey	
[103] Characteristics Of SiC-and Si-detectors After Alpha Particle Irradiation	Mr. EVSEEV, Sergey	
[104] Evaluation of the Influence of the Beam Pipe on the Accuracy of Solving the Problem of Determining the Coordinates of Au-Au Interactions	ZHAROV, Mikhail	
[192] Dark energy due to quantum corrections to effective potential	Mr. FILIPPOV, Vladislav	
[129] The study of the time resolution of the 3D neutrino detector SuperFGD	Ms. KOLUPANOVA, Mariia	
[146] Supernova neutrino distribution: correlation of fit parameters with hydrodynamic spatial scales	OGNEV, Igor	
[300] THE REVISION OF THE BETA PARTICLES AND ANTINEUTRINO SPECTRA FROM U-235,PU-239 AND U-238 FISSION PRODUCTS BASED ON THE UPDATED MEASUREMENTS OF THE RATIO OF SPECTRA U-235/PU-239	Mr. ■■■■■■, ■■■■■■	
[275] Anomalous cosmic-ray correlations revisited with a complete full-sky sample of BL Lac type objects	KUDENKO, Maria	
[223] STUDY OF THE STRUCTURE OF 12C AND 6Li NUCLEI IN THE ALPHA-CLUSTER MODEL BY HYPERSPHERICAL FUNCTIONS	BAZHIN, Anton	
[8] Production of Fluorine-18 and Its Applications in Nuclear Medicine Using PET Equipment	VILLACORTA GARCÍA, Gabriela Alessandra	
[67] Sensitivity of the vGeN experiment to the antineutrino magnetic moment and millicharge	IGNATOV, Georgii	
[324] Machine Learning for FARICH Reconstruction in the SPD experiment at NICA	SHIPILOV, Foma	
[321] Polarization correlations of entangled and classical two-photon states	MUSIN, Sultan	
[268] APPLICATION OF UNIVERSALITY IN DEVELOPMENT OF CASCADE PROCESSES FOR STUDYING HIGH-ENERGY COSMIC PARTICLES IN SPACE EXPERIMENTS	Ms. IBRAIMOVA, Sayora FEDOSSIMOVA, Anastasiya	

[189] <b>Sivers asymmetries of charged pions in muons semi inclusive deep inelastic scattering off polarized protons in PYTHIA8+StringSpinner model</b>	LOBANOV, Andrey MUZYAEV, Evgenii	
[43] <b>Estimate of radiation background using modelling for the SRC experiment on HyperNIS</b>	BOCHKOVA, Angelina	
[90] <b>Comparison of different centrality determination methods at the BM@N experiment</b>	IDRISOV, Dim	
[171] <b>Development of the NeuCBOT utility for evaluation of neutron yields and spectra from (a,n) reactions</b>	GONCHARENKO, Ivan	
[133] <b>Charged pion, kaon and proton spectra in Ar+Ar and p+p collisions at <math>\sqrt{s_{NN}} = 11</math> and 27 GeV in UrQMD model</b>	KARPOVA, Yulia KONDRATEV, Matvey	
[187] <b>Searching for bosonic dark matter with iDREAM neutrino detector at the Kalinin Nuclear Power Plant</b>	KISELEV, K.	
[153] <b>Searches for Large Extra Dimensions in the DANSS experiment</b>	Mrs. SKROBOVA, Natalia	
[147] <b>Isotropic light source for calibration of liquid scintillator neutrino detectors</b>	RUDAKOV, Peter	
[203] <b>Estimation of systematic uncertainties for the data analysis in the near detector of the T2K neutrino experiment</b>	FEDOROVA, Daria	
[270] <b>Cosmological model for a distant observer of ALP domain wall</b>	■■■■■■■■, ■■■■■■	
[304] <b>Neutron response function of CeBr3 detector for 1.25-5.75 MeV neutron energy range.</b>	Mr. POVOLOTSKIY, Mark	
[302] <b>Automation of calculations of angular distributions of differential cross sections of reactions</b>	Mr. RAIDUN, Semyon	
[167] <b>Studying of SuperFGD response using stopped cosmic muons</b>	MASHIN, Nikita SKROBOVA, Nataliya	
[213] <b>Analysis of calculation of the cosmological perturbation spectrum in the framework of Mukhanov's gauge-invariant approach.</b>	KISLYAKOVA, Darya	
[143] <b>Electron String Ion Source (ESIS) Ion Trap Control System Development</b>	BUTENKO, Elizaveta	
[291] <b>Portable muon telescope for measuring cosmic muon fluxes</b>	KAZARTSEV, Sergei	
[288] <b>Background rejection in ECal detector MPD experiment cosmic test data</b>	Mr. FOMENKO, Gleb	
[235] <b>SOFTWARE PACKAGE FOR DATA COLLECTION USING CAEN BOARDS</b>	DOVBNENKO, Maxim	
[287] <b>The study of the dimuons production in the NA64 experiment.</b>	GERASSYOVA, Natalya	
[209] <b>Atmospheric neutrino detection efficiency estimation in the NOvA experiment.</b>	IVANOVA, Aleksandra	
[277] <b>Search for invisible decays of rho0 in NA64</b>	GERTSENBERGER, Svetlana	
[164] <b>Amplitude analysis approach in the experimental studies of exotic hadrons</b>	VASYUKOV, Artem	
[126] <b>Particle identification in MPD at NICA using machine learning</b>	GORDEEV, Pavel	
[155] <b>Supernova neutrino distribution: data and their approximation approach</b>	KOPTYAEVA, Eugenia	
[169] <b>"Search for sub-microsecond bursts of Cherenkov radio emission caused by the interaction of high-energy neutrinos with lunar regolith"</b>	Mr. SHAVKOVICH, Sergei	
[247] <b>The GNA software for performing neutrino oscillation analysis</b>	STEPANOVA, Anna	
[256] <b>Neutrino spin and spin-flavor oscillations in non-dipolar magnetic fields of astrophysical objects</b>	Mr. WANG, Degang	

<b>[294] On the possibility of using scintillation material <math>\text{Li}_2\text{CaSiO}_4:\text{Eu}^{2+}</math> in solid-state reactor antineutrino detectors.</b>	RASTIMESHIN, A.	
<b>[255] Estimation of the efficiency of EAS registration by the imaging atmospheric cherenkov telescope depending on the position of the source in the field of view.</b>	BEZYAZEEKOV, Pavel	
<b>[35] Supernova Neutrino Search and Underground Physics at LVD</b>	Mr. ASHIKHMIN, Vsevolod	
<b>[144] Nucleon effective mass and the ground-state properties</b>	Mr. SMOLIANNIKOV, Dmitrij	
<b>[113] The Schrödinger equation for a spherically symmetric system, its structure, and the interpretation of its solutions.</b>	Mr. AYALA OÑA, Roger	
<b>[306] Status of the scintillation experiment of the TAIGA astrophysical complex</b>	Dr. KRAVCHENKO, Evgeniy	
<b>[51] APPLICATION OF THE CLARIFIED DATABASE OF PARAMETERS OF <math>\beta^-</math> ACTIVE ATOMIC NUCLEI FOR ANTINEUTRINO SPECTRUM CALCULATION</b>	INGERMAN, Svetlana	
<b>[262] Pointlike events discrimination in the RED-100 experiment using ML algorithms</b>	RAZUVAEVA, Olga	
<b>[91] The influence of reactor neutrino energy spectra for constraints on amplitude of coherent elastic neutrino-nucleus scattering</b>	LUKYASHIN, Anton	
<b>[274] Parameterization of SiPM signals of MPD/ECal</b>	Mr. ■■■■■■■■, ■■■■■■■■	
<b>[322] Spatial-sensitive detector based on strong scattering scintillator medium</b>	KRAPIVA, Artemiy	
<b>[314] Protection Against High-Energy Particles for X-ray Telescopes</b>	SADOVSKIY, Oleg	
<b>[269] Neutrino scattering on superfluid helium with account for neutrino electromagnetic properties and collective effects</b>	VYALKOV, Maxim	

# Thursday 24 October 2024

## Poster session: Additional poster session (16:30-17:00)

[id] title	presenter	board
[39] The charge losses in SiC and Si detectors at the registration of heavy ions	Dr. GUROV , Yuri	
[251] Comparison of the $^{213}\text{Po}$ half-life results measured by double and triple coincidences methods	KUZMINOV, Valery KAZALOV, Vladimir	
[350] Neutrino production in the central dark-matter spikes of active galaxies	KIVOKURTSEVA, Polina	
[198] Investigation of dp backward elastic scattering at GeV-energies	Dr. LADYGINA, Nadezhda	
[221] Data driven background estimation in Baksan Underground Scintillation Telescope	KOCHKAROV, Makhti KAZALOV, Vladimir	
[36] Autonomous instrument system for monitoring radioactivity, underground gases and environmental parameters underground	Dr. AGAFONOVA, Natalia	
[76] Development of a project for a universal trap for storing ultracold neutrons	FOMIN, Alexey	
[240] Characterization of new Russian detectors based on trans-stilbene.	CHEPURNOV, Alexander	
[24] State-of-art imaging in nuclear track emulsion	ZARUBINA, Irina	
[298] Deformations of multi-soliton configurations	Prof. GANI, Vakhid	
[239] Registration of the neutron flux in the experiment on particle acceleration by a laser field	BAKULEV, Mikhail	
[207] Simulation for neutron - boron-10 interaction in coating of gaseous tube counter anode wire and moving of secondary nuclei in media	Mr. PERMYAKOV, Evgeniy	
[60] Physical effects near a wormhole	Mr. KURYAN, Victor	
[258] Grebeniuk V.M., Slepnyov S.K., Tkachev L.G. Cosmic ray events with electromagnetic showers triggered in the NUCLEON experiment	SLEPNYOV, Stanislav	
[276] Registration of neutrons using scintillation detectors in the magnetic field of the HELIS facility	KIRSANOV, Mikhail Dr. KLIMANOV, Sergey Dr. NEGODAEV, Mikhail	
[285] Monte Carlo simulations of photon propagation in the DIRC	APARIN, Alexey	