The XXVII International Scientific Conference of Young Scientists and Specialists (AYSS-2023)

Monday, 30 October 2023

In-person poster session & welcome drinks (19:00 - 22:00)

[id] title	presenter	board
[1444] Small-angle X-ray scattering and Raman spectroscopy as methods for assessing the effect of dehydrothermal crosslinking of keratoplasty material	MARINA, Naumenko	
[1456] Intermediate oligomeric states of ferritin	TILINOVA, Oksana	
[1217] Pharmacological correction of radiobiological effects of protons with the drug «Cerebrolysin»	Ms KOLESNIKOVA, Inna	
[1207] Magnetic field configuration of spiral high-voltage pulse generator with meander-shaped busbars	Mr PARASKUN, Alexander	
[1383] RELATIVE YIELDS OF ALPHA-DECAY OF 230Ra, 232Th, 240Pu	BAYRAMOV, Daniel	
[1391] Polarization of Synchrotron Radiation in Galactic Jets	CHUMARIN, Grigory	
[1303] Development of a document database platform "SciDocCloud"	SOKOLOV, Ivan	
[1317] Electronic Logbook System	SHPOTYA, Dmitrii	
[1380] Elements development of modular reactor antineutrinos detector	RASTIMESHIN, Anton CHMYKHALO, Dmitry	
[1418] Tile detector configurations testing for the SPD Beam-Beam Counter prototype.	ZAKHAROV, Arseniy	
[1265] Жидководородная мишень в эксперименте SRC на ускорительном комплексе NICA	Mr KLIMANSKIY, Dmitriy	
[1442] The Overlay Monte-Carlo method for estimating the pile-up background in diboson production in pp collider experiment	Ms ZHAROVA, Valeria	
[1400] Investigation of the contribution of forbidden beta transitions to the reconstruction of the reactor antineutrino spectra by the conversion method	POPOV, Daniel	
[1332] Beable-guided measurement theory	ALESHIN, Alexey	
[1218] Graviton to photon conversion in external magnetic field in FLRW universe	VETOSHKINA, Lyubov	
[1250] Coefficient of the anapole moment's enhancement in SiO molecule	TURCHENKO, Petr	
[1464] Preliminary design of Outer Veto	SMIRNOVA, Taisiia	
[1451] Neutrino quantum decoherence engendered by neutrino decay to photons, familons and graviton	ВЯЛКОВ, Максим	
[1231] Application of machine learning methods in Baikal-GVD: selection of neutrino-induced events	MATSEIKO, Albert	
[1389] superluminal sources of electromagnetic radiation in astrophysics	KULESHOVA, Vutalia	
[1221] Pulse research reactor IBR-3 – New reflector concept	Mr HASSAN, Ahmed	
[1242] Comparative Study of LiInSe2 Single Crystals for Thermal-Neutron Detection	ДАУЛБАЕВ, Олжас	
[1259] Models for estimating temperature effects in a reactor core	PODLESNYY, Maxim	

[1357] Applying Databases, Graphana Data Visualization Program, and Python Libraries for Enhanced Follow-Up Regime of Baikal-GVD Neutrino Telescope	KULIKOV, Aleksey	
[1256] Deformation quantization of contact manifolds	ELFIMOV, Boris	
[1376] Latest results from the Double Chooz experiment	ORALBAEV, Aldiyar	
[1220] Impact of spatially inhomogeneous macroscopic uniaxial magnetic anisotropy on the small-angle neutron scattering cross-sections	Mr ZAPOROZHETS, Vladislav	
[1417] Simulation of a setup for carbon analysis of soil sample	ANDREEV, Alexander	
[1410] Identifying contrast agents based on high-Z elements in multi-energy computed tomography	SOTENSKII, Rostislav	
[1396] CULTIVATION OF HALOPHILIC ARCHAEA HALOBACTERIUM SALINARUM.	KUKLINA, Daria	
[1214] Photoluminescence study in 152 MeV Xe ion irradiated MgAl2O4 single crystals.	Ms LE THI, Phuong Thao	
[1372] PXI-COMPATIBLE PREAMPLIFIER AND AMPLIFIER FOR PROPORTIONAL GAS COUNTERS	KOHOUT, Pavel	
[1322] Birefringence and dichroism in magnetic fluids with different aggregative stability	VIVCHAR, Viktoria	
[1356] SETUP AND OPTIMIZATION OF THE WAVEGUIDE CHANNEL FOR THE SKIF PROJECT LINEAR ACCELERATOR INJECTOR STAND	SMIRNOV, Kirill	
[1336] Two-loop QED massive master integrals for $e^{+}e^{-}\rightarrow 2\gamma$ process using differential equations and dimensional recurrence relations methods	STOTSKY, Vyacheslav	
[1292] Model-independent constraints on extra neutral gauge bosons effective parameters at the future ${e^-}{e^+}$ colliders	SINEGRIBOV, Dmitry V.	
[1304] Flash-fit algorithms for circles in Particle Physics	DIMA, Maria	
[1387] Effect of Neutron Irradiation on the Electronic and Optical Properties of Al- 3 GaAs/InGaAs-Based Quantum Well Structures	YSKAKOV, Almas	
[1386] MATHEMATICAL MODEL OF THE EFFECT OF HIGH MOLECULAR HYALURONIC ACID CROSS-LINKED DERIVATIVES ON SKIN FIBROBLASTS	VOITENKO, Darya	
[1287] Method of averaging in the investigation of the information characteristics of fiber channels with small second dispersion	GUBA, Vyacheslav	
[1320] Electron identification with the electromagnetic calorimeter and its application for charmonia studies in the experiment ALICE3 at LHC	HAMBARDZUMYAN, Yeghishe	
[1233] Control System for Automatic Frequency Tuning of the Harmonic Station RF3 for Collider NICA	Mrs MOROZOVA, Victoria	
[1252] The effect of ground motion on the SKIF beam orbit	Ms KARIUKINA, Kseniia	
[1345] Azimuthally-differential two-pion femtoscopy in Zr+Zr and Ru+Ru collisions at $\sqrt{s_{NN}} = 200$ GeV using the UrQMD model	Ms VASILIEVA, Anastasiia	
[1219] Monitoring system of the stand "Power amplifiers of the harmonic station of the NICA collider"	KARPUK, Alexandr	
[1385] Performance of invariant mass fit method for global polarisation measurements of lambda hyperons in the MPD experiment	TROSHIN, Valery	
[1426] Design of the prototype ASIC for BM@N STS	YAMALIEV, Salavat	
[1463] Cluster recognition in High Granular Neutron detector of the BM@N experiment	SHABANOV, Arseniy	

[1301] Transverse single-spin asymetry for inclusive pi0 and eta mesons at forward rapidity in SPD-NICA.	PEDRAZA MONZON, Mayvi	
[1428] Track scintillation detector	УСТИНОВ, Дмитрий	
[1414] The time resolution of the SCAN-3 multilayer neutron detector	USTINOV, Valentin	
[1234] Online monitoring of the High Granular Neutron Time-of-Flight Detector prototype for the BM@N experiment	Mr ZUBANKOV, Aleksandr	
[1289] Accumulation and translocation of copper, gold and silver nanoparticles (PVP-coated) in Calendula officinalis segments under root irrigation conditions	Ms PESHKOVA, Alexandra	
[1362] A MATHEMATICAL MODEL OF CALCIUM CONCENTRACTION WAVES IN HUMAN PLATELETS	KILDIYAROV, Timur Vladimirovich	
[1359] Calculation of the cross sections of the formation of nuclei in isomeric states in reactions with neutrons	SITKOV, Dmitrij	
[1321] Influence of the nature of chelating agents on the activity and structural pre-organization of metal oxide catalysts for the growth of carbon nanotubes synthesized by the method of polymerized complex precursors	Ms POLIAKOVA, Oksana	
[1452] Trouble with Hubble	NEDELKO, Nikita	
[1205] Symplectic extension of the Haag-Araki axiomatics and its applications in the physics of causal geodesic structures	GUDKOV, Evgeniy	
[1424] Features of structure formation of Al2O3 ceramics doped with zirconium dioxide	МАЛЕЦКИЙ, Александр	
[1327] Digital processing system for a one-dimensional position-sensitive detector based on a 3He resistive tube using an open FPGA digitizer	KAZLIAKOUSKAYA, Anastasiya	
[1297] Statistical mechanics and thermodynamics of rotating continuous helicity gas	MALEV, Mikhail	
[1342] The α_s order of the Drell-Yan process with Z and W boson production, where one hadron is polarized	ANIKIN, Iurii	
[1329] Improved Model of Primordial Black Hole Formation after Starobinsky Inflation	SABUROV, Sultan	
[1355] Identification of charged hadrons in the Xe+Cs(I) experimental run at BM@N	KUIMOV, Timofey	
[1455] The SPD Beam-Beam Counter scintillation detector prototype tests with FERS 5200 front-end readout system	TISHEVSKY, Aleksey	
[1437] SAXS studies reveal an I-Shaped Dimers of a Plant Chloroplast FOF1-ATP Synthase in Response to Changes in Ionic Strength	Mr OSIPOV, Stepan	
[1377] The time slice simulation in the SPD straw tracker	MOROZOVA, Svetlana	
[1443] Effect of the magnetic component of electromagnetic radiation on the Josephson φ0 transition	BELGIBAYEV, Toktar	
[1348] The results of klystron input cavity measurements	Mr GUSHCHIN, Vladimir	
[1284] Alignment of TOF-400 detector at BM@N experiment	ZHAVORONKOVA, Irina	
[1395] Simulated Quantum Computation of non-equilibrium charge transport in a cyclic molecule.	SYURAKSHIN, Antony	
[1255] Effectively flat potential in the Friedberg-Lee-Sirlin model	KIM, Eduard	
[1392] CONDITIONS OF HYPERON APPEARANCE IN NEUTRON STARS	NASAKIN, Artur	
[1370] Sustainable Porous Carbon Electrode Material Derived from Biomass for Utilization in Capacitive Deionization	HADEBE, Lungile Rentia	

[1270] Study of a method for determining the particle accelerators multipole elements magnetic axis using optical magnetic fields visualization	REVA, Stanislav	
[1361] Modeling of Doppler effect for light ions	GRACHKOV, Alexey	
[1319] Enhancing object recognition by optimizing sharpness	DEEVA, Olga	

Page 4