

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

Tuesday, October 13, 2020

Section 3. Modern nuclear physics methods and technologies (2:40 PM - 6:15 PM)

time	[id] title	presenter
2:40 PM	[194] Silicon pixel detectors for the Inner Tracking System of MPD experiment at the NICA collider	Dr ZHEREBCHEVSKY, Vladimir
3:05 PM	[155] Application of BM@N Si-microstrip detectors at muon stand for testing straw detectors	Mr TOPKO, Bogdan
3:30 PM	[153] The development of Silicon beam tracker and beam profilometer at the BM@N experiment	Ms IVANOVA, Yulia
3:55 PM	[10] Global tracking in the BM@N experiment	MERTS, Sergei
4:20 PM	Coffee break	
4:35 PM	[144] High-performance optimization of event simulation and track reconstruction software in the BM@N NICA experiment	Prof. NEMNYUGIN, Sergei
5:00 PM	[189] Status of the BM@N STS module assembly	SHEREMETEV, Aleksei
5:25 PM	[184] Silicon Tracking System as a Part of Hybrid Tracker of BM@N Experiment	DEMENTEV, Dmitrii
5:50 PM	[178] Cooling systems for the novel pixel detectors	NESTEROV, Dmitrii

Thursday, October 15, 2020

Section 3. Modern nuclear physics methods and technologies (2:30 PM - 5:40 PM)

time	[id] title	presenter
2:30 PM	[M98] CLAS Physics Data Base for the Physics Analysis of the Experiments with Electromagnetic Probes.	CHESNOKOV, Vitaly
2:55 PM	[M65] FEATURES OF NICKEL-63 LARGESCALE PRODUCTION WITH NUCLEAR POWER PLANT	MAZGUNOVA, V.A.
3:20 PM	[M63] THE DEPENDENCE OF SPATIAL LOCATION AND SIZE OF NEUTRON FLUX ON THE MAXIMUM NEUTRON ENERGY	Dr MESHKOV, Igor
3:45 PM	[M95] Combined spectrometer for measuring the spectra of prompt fission neutrons in a wide energy range.	Mr PRUSACHENKO, Pavel
4:10 PM	Coffee break	
4:25 PM	[M58] On the possibility of control the maximum energy of fast neutrons by the pulse height spectra of the ^{10}B -detector	POTASHEV, Stanislav
4:50 PM	[M02] Efficiency and energy resolution calculation under developing of fast neutron detector with boron-10 converter	KASPAROV, Aleksandr
5:15 PM	[M30] Prospects for plasma excitation of ^{186}mRe nuclear isomer	KOLTSOV, Vladimir

Friday, October 16, 2020**Section 3. Modern nuclear physics methods and technologies (3:15 PM - 7:10 PM)**

time	[id] title	presenter
3:15 PM	No contributions	
3:40 PM	[M104] STATUS OF THE PITRAP PROJECT – THE PENNING TRAP AT THE REACTOR PIK	Prof. NOVIKOV, Yuri
4:05 PM	[M107] A COMPARATIVE STUDY ON THE GAS-JET TRANSPORTATION METHOD FOR NUCLEAR SPECTROSCOPY MEASUREMENTS	SIMONOVSKI, Dimitar
4:30 PM	[M106] HYBRID ION TRAP: FIRST APPROACH	Ms BEZRODNOVA, Olesia
4:55 PM	Coffee break	
5:10 PM	[M1085] Ion-guide system for the GALS set-up	ZHEMENIK, Viktor
5:35 PM	[M112] CARBON NANOMATERIALS APPLICATION FOR ISOL-METHOD OF HEAVY ION FUSION REACTION PRODUCTS	Mr VEDENEEV, Viacheslav Yurievich
6:00 PM	[M166] METHOD OF ANALYSIS OF LARGE ARRAYS OF DISCRETE EMPIRICAL DISTRIBUTIONS OF COUNTS WITH A SMALL SAMPLE NUMBER	VAKHTEL, Victor
6:25 PM	[M164] PRODUCTION OF IONIZING RADIATION SOURCE OF IRIDIUM-192 FOR NDT	ASHRAPOV, U.T.
6:50 PM	[M133] Studying neutron spectrum of photoneutron source of INR RAS	AFONIN, Aleksey

Saturday, October 17, 2020

Section 3. Modern nuclear physics methods and technologies (9:00 AM - 1:50 PM)

time	[id] title	presenter
9:00 AM	M25 [M25] CHARACTERISTICS OF SMALL-SIZED SPECTROMETERS BASED ON CdZnTe FOR NUCLEAR PHYSICS RESEARCH	Dr СМИРНОВ, Александр
9:25 AM	M23 [M23] Investigation of the dependence of the time resolution of Si detectors on the bias voltage	MORDOVSKOY, Michael
9:50 AM	M81 [M81] STANDARD THEORY of SCINTILLATION SPECTROMETERS with ONE PHOTODETECTOR	Prof. SAMEDOV, Victor
10:15 AM	M05 [M05] Registration efficiency of a stilbene based neutron detector	Ms GAZEEVA, Elvira
10:40 AM	Coffee break	
11:00 AM	M01 [M01] Possibilities of Using CdZnTe and CeBr3 Crystals for Measuring Photon Radiation in a Wide Range of Energy	SHAKHOV, Aleksei
11:25 AM	M14 [M14] The Fast Interaction Trigger for ALICE LHC Run 3 and 4	SLUPECKI, Maciej
11:50 AM	M02 [M02] Effects of Electron Beam Application on Microbiological and Organoleptic Parameters of Chilled Turkey	Mr LEONTEV, Valery
12:15 PM	M03 [M03] Low-energy electron linacs for phytosanitary processing of agricultural products	LEONTEV, Valery
12:40 PM	M06 [M06] Estimation of masses of radioactive elements in geological samples using R programming language and ROOT libraries	MOLCHANOVSKIY, Vasilii
12:50 PM	Lunch break	

Section 3. Modern nuclear physics methods and technologies (2:10 PM - 4:45 PM)

time	[id] title	presenter
2:10 PM	M31 [M31] Production of the ^{186m}Re isomer in nuclear reactor	KOLTSOV, Vladimir
2:35 PM	M32 [M32] Production of the $^{178m2}\text{Hf}$ isomer in nuclear reactor	KOLTSOV, Vladimir
3:00 PM	M25 [M25] Modern methods for studying "hot" particles of various origin	Dr ZHELTONOZHSKAYA, Marina
3:20 PM	M21 [M21] Studying a possibility of neutron-activation determination of rhenium content in radioactive rocks	ZUYEV, Sergei
3:40 PM	M58 [M58] TUNING THE NEET PROBABILITY	Prof. KARPESHIN, Feodor Dr TRZHASKOVSKAYA, Malvina
4:00 PM	M94 [M94] NUCLEI PRODUCED FROM ^{238}U IRRADIATED BY SECONDARY GAMMA INITIATED BY ELECTRON BEAM ($E = 140 \text{ MeV}$).	Mr КРЯЧКО, Игорь