



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

29 октября 2023 г. to 3 ноября 2023 г.

DLNP, JINR

Europe/Moscow timezone

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Timetable

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Sun 29/10

15:00

16:00	Registration
17:00	
18:00	Event: Musical Concert by Aida Avanesian
19:00	
20:00	
21:00	

Hotel Dubna, 6, Veksler Str. 16:00 - 18:00

JINR Club of scientists, Joliot-Curie str. 6 18:00 - 20:00

Mon 30/10

	Blokhintsev Hall (4th floor), BLTP	Bogolyubov Hall (2nd floor), BLTP	Conference Hall (2nd floor), BLTP	Conference Hall, DLNP
07:00				
08:00				
09:00	Registration <i>BLTP, JINR</i> 08:30 - 09:15			
	Welcome remarks 09:15 - 09:30			
10:00	Bruno Pontecorvo and neutron physics <i>Mihail Sapozhnikov</i>			
	<i>Bogolyubov Hall (2nd floor), BLTP, JINR</i> 09:30 - 11:00			
11:00	Coffee break 11:00 - 11:20			
12:00	The Standard Model: current status and perspectives <i>Alexander Bednyakov</i>			
	<i>Bogolyubov Hall (2nd floor), BLTP, JINR</i> 11:20 - 12:50			
13:00	Event: Group photo of conference participants 12:50 - 13:00			
	<i>Bogolyubov Hall (2nd floor), BLTP, JINR</i>			
14:00	Lunch 13:00 - 14:20			
15:00	FEATURES OF THE STRU <i>Veronika Sm...</i>	Numerical simulation of th <i>Maxim Bash...</i>	Risks in mussel consumpt <i>Pavel Nekho...</i>	The primary proton vertic <i>Madalina Mi...</i>
	Structural studies of lithiu <i>Meir Yerdaul...</i>	Monte Carlo background s <i>Ilyas Satyshev</i>	Light Induced Release of . <i>Mr Yersultan...</i>	Expected neutrino rates fi <i>Maksim Klei...</i>
	DEVELOPMENT OF COMP <i>TRUONG H...</i>	Calculation of a multidime <i>Daviti Goderi...</i>	Elucidating the Distinction <i>Sergey Ivas...</i>	Detection of the atmosph. <i>Alexandra Iv...</i>
		Cluster formation near mi. <i>Viktar Kireyeu</i>	CALCULATION OF DNA D. <i>Togtokhtur T...</i>	Determination of the phot <i>Petr Lenskii</i>
	Ball Milling Treatment Effe <i>Marina Donets</i>	NEW ALGORITHMS FOR P <i>Bulat Bakirov</i>	Clustered DNA double-str. <i>Daria Shamina</i>	Visualization of Multimes. <i>Anastasiia S...</i>
	PET prototype based on s <i>Nadezhda B...</i>	Research of neutron trans <i>Aleksander ...</i>	Kinetics of repair of doubl <i>Darya Pilins...</i>	Simulation of observed q. <i>Mrs Diana T...</i>
16:00	Coffee break 15:50 - 16:10			
	Optical study of phase tra <i>Rufina Khari...</i>	Optimization of cascade si <i>Ms Anna Bel...</i>	Chromium and nickel in gr... <i>Alexandra Kr...</i>	Study of Λ - hyperon prod <i>Ksenia Alishi...</i>

17:00	Investigate the impact of Z	Using a shell turbulence ..	Investigating ketoprofen u	GEM-based central tracki
	Ms MATSHI...	Ilya Dukanov	Kapitolina Lo...	Andrei Gala...
	Two years of iDREAM anti	A model for the magnetic I	Characterization of ibupro	On the azimuthal flow of p
	Aldiyar Oralb...	Norayr Galik...	Ms Polina G...	Mikhail Mam...
	Novel Functionalized Poly	Neural Network Analysis o	Calculation of the model o	Generalized Relativistic S
Kamogelo Ts...	Norayr Galik...	Anastasia K...	Roman Nikol...	
	Study of higher tungsten .		TIGER ASIC as a candidat	
	Aleksandra ...		Vitaly Bautin	
	Efficiency assessment of I			
	Maxim Kubli...			

18:00

19:00

In-person poster session & welcome drinks

The International Conference Hall, Stroiteley str. 2 19:00 - 22:00

20:00

21:00

22:00

23:00

Tue 31/10

	Blokhintsev Hall (4th floor), BLTP	Bogolyubov Hall (2nd floor), BLTP	Conference Hall (2nd floor), BLTP	Conference Hall, DLNP
07:00				
08:00				
09:00	Q&A Science&Education around the world: Cuba RONALDO RIGOBERTO MENDEZ HERNANDEZ 			
	Bogolyubov Hall (2nd floor), BLTP, JINR 08:30 - 09:30			
	Direct search for Dark Matter Evgeny Yakushev 			

10:00	Bogolyubov Hall (2nd floor), BLTP, JINR				09:30 - 11:00
11:00	Coffee break				11:00 - 11:20
	Development of beam physics and accelerators @ JINR				Dr Grigory Trubnikov 🔗
12:00	Bogolyubov Hall (2nd floor), BLTP, JINR				11:20 - 12:50
13:00	Lunch				
14:00	JINR Communication Strategy. Essentials				Irek Suleymanov 🔗
15:00	Bogolyubov Hall (2nd floor), BLTP, JINR				14:20 - 15:30
16:00	Correlators in six-dimensi 🔗 Ravil Iakhibb...	DYNAMICAL PROPERTIE. 🔗 Mr Daniil Kol...	Self-assembling 8-meric a 🔗 Dr Alexey VI...	Study of exotic tetraquark 🔗 Artem Vasyu...	
	Vortex rings and global hy 🔗 Nikita Tsegel...	Tools for high-accuracy a. 🔗 Alexander Ol...	SAS Studies Towards Exp 🔗 Dr Alexey VI...	Lepton conversion study 🔗 Svetlana Ge...	
	Differential equations met 🔗 Maxim Bezu...	A fast and accurate tool fo 🔗 Anton Biriukov	Analysis of radiation dam. 🔗 Albina Niza...	A new evolutionary algori 🔗 Alice Didenko	
	Dispersion relations in Ke 🔗 Olesia Geitota	Confinement effects in het 🔗 Liubov Gost...	Coarse-grained molecular 🔗 Dina Badreeva	Z-boson pT-spectrum and 🔗 Savelii Omel...	
	Coffee break				16:30 - 16:50
17:00	Effect of magnetic field on 🔗 Dr Garima P...	Development of clusteriza 🔗 Александр ...	Features of spectroscopic 🔗 Anna Krivets...	Systematic studies of bac 🔗 Nikita Gladin	
	Supernova neutrino oscill 🔗 Artem Popov	Simulation of performanc. 🔗 Iliia Zimin	Functional studies of a ne 🔗 Daniil Sidorov	Recent neutral meson an. 🔗 Vladislav Ku...	
	Radiative corrections to m 🔗 Uliana Vozn...	Theoretical study of isoto. 🔗 Sergey Pros...	Studing of factors affectin 🔗 Andronika M...	Analysis of the rare kaon 🔗 Artem Okhot...	
	Multichannel scattering fo 🔗 Petr Korolev		Structural Analysis of Hyb 🔗 Ekaterina La...	Large-scale tracking dete 🔗 Ivan Troshin	
18:00	The Double Compton proc 🔗 Timothy Pu...		Structural studies of self-e 🔗 Margarita G...	$K^{*+} \rightarrow \pi^0 \mu^{*+} \nu \gamma$ an. 🔗 Iliia Tiurin	
			Study of the effect of laser 🔗 Ms Yara Ha...		
19:00	Event: Scientific and Entertainment quest				




20:00		19:00 - 21:00
	<i>Blokhintsev Library, Blokhintseva str., 13/7</i>	
21:00	Dark and funny facts in the nuclear and particle physics	<i>Sergei Merts</i>
	<i>Blokhintsev Library, Blokhintseva str., 13/7</i>	21:00 - 22:00
22:00		

23:00

Wed 01/11

07:00	Bogolyubov Hall (2nd floor), BLTP, JINR	Conference Hall (2nd floor), BLTP	Conference Hall, opposite DIAS Hall (-1 floor), BLTP the main building of the DLNP
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08:00

09:00	Q&A Science&Education around the world: Republic of South Africa	<i>Maureen Tshisano</i> 
	<i>Bogolyubov Hall (2nd floor), BLTP, JINR</i>	08:30 - 09:30
10:00	The Baikal neutrino telescope – Baikal-GVD	<i>Bair Shaybonov</i> 
	<i>Bogolyubov Hall (2nd floor), BLTP, JINR</i>	09:30 - 11:00
11:00	Coffee break	11:00 - 11:20
12:00	Solar neutrinos	<i>Oleg Smirnov</i> 
	<i>Bogolyubov Hall (2nd floor), BLTP, JINR</i>	11:20 - 12:50
13:00	Lunch	
14:00		

				12:50 - 14:20
	Investigating of conformal <i>Alfiia Mukha...</i>	WIDE-APERTURE BACKS <i>cao hai</i>	BM@N Run 8 data reconstr <i>Igor Pelevan...</i>	Experimental search for d <i>Temirlan Kh...</i>
	The pd->pdππ reaction wi <i>Nurbek Turs...</i>	Thermal transport in alumi <i>Aidos Akzhu...</i>	Prototype of a software cc <i>Daria Priakhi...</i>	Search for coherent elasti <i>Dmitrii Pono...</i>
15:00	Production of heavy neutr <i>Vyacheslav ...</i>	STRUCTURES AND PHAS <i>Bekarys Yer...</i>	Development of the Onlin <i>Ilya Romanov</i>	SCINTILLATION DETECT <i>Bulat Khami...</i>
	Investigation of the rotati <i>Mariia Mardy...</i>	Effect of doping with trans <i>Anton Rutka...</i>	Development of Next-Gen <i>Elvira Blinova</i>	Testing of the Light Read <i>Vladislav Sh...</i>
	Negative moment of inert <i>Dmitrii Sychev</i>	Structure, neutron scatter <i>Dr Alexander...</i>	DSpace software platform <i>Tatiana Zaikina</i>	TIME OF FLIGHT SIMULA <i>Alena Kohou...</i>
	Models for Heavy Baryons <i>Alisa Shukht...</i>	The impact of swift heavy <i>Marko Jelić</i>	Development of Monitorin <i>Olga Nemova</i>	Development of software ... <i>Vladimir Gal...</i>
16:00	Coffee break			
				15:50 - 16:10
	Analysis of 1/Nc correctio <i>Nadezhda S...</i>	Phase transformations in <i>Olga Ponom...</i>	Exploring machine learnin <i>David Gutier...</i>	Muon capture measureme <i>Maria Fomina</i>
	Correlation functions in h <i>Kseniia Arkhi...</i>	Investigation of the crysta <i>Olga Lis</i>	Centrality determination .. <i>Dim Idrisov</i>	Optimization of digital par <i>Remember ...</i>
	Relativistic description of <i>Ms Elena Sa...</i>	Study of the structural, m <i>Mr Rethabile...</i>	Detector and physics sim <i>Rishav Pandey</i>	DRS4 signal/noise classifi <i>Aizat Dariba...</i>
17:00	Black hole shadows as a s <i>Oleg Zenin</i>	Computational and Experi <i>Moloko Em...</i>	The study of backgrounds <i>Nikita Oспен...</i>	High-Intensity Ultracold N <i>Kylyshbek T...</i>
	A method for numerical sc <i>Dr Maxim Za...</i>	Polyacrylamide polymer b <i>Mr Mikhail M...</i>	Methods for centrality det <i>Ilya Segal</i>	Parametric X-ray radiation <i>Ekaterina Ki...</i>
	Accretion in a hybrid metr <i>Nikita Avdeev</i>	HOM effect for monochro <i>Yuliana Tsyk...</i>	Reconstruction of neutrino <i>Aleksey Leo...</i>	
18:00				
19:00	The movie about Bruno Pontecorvo			
20:00				
21:00	<i>JINR Cultural Centre "Mir", Vysotsky alley 1</i>			
22:00				
Thu 02/11				
Blokhintsev Hall (4th floor), BLTP		Conference Hall (2nd floor), BLTP		DIAS Hall (-1 floor), BLTP
07:00				

08:00	Q&A Science&Education around the world: India Rishav Pandey 🔗		
09:00	Bogolyubov Hall (2nd floor), BLTP, JINR 08:30 - 09:30		
10:00	The discovery and precision measurements of neutrino oscillations Maxim Gonchar 🔗		
11:00	Bogolyubov Hall (2nd floor), BLTP, JINR 09:30 - 11:00		
11:00	Coffee break 11:00 - 11:20		
12:00	Neutrino oscillation theory Dmitry Naumov 🔗		
13:00	Bogolyubov Hall (2nd floor), BLTP, JINR 11:20 - 12:50		
14:00	Lunch 12:50 - 14:20		
15:00	Simulation of the Permanent Magnet 🔗 Kirill Berestov	Electrical properties of nanostructur. 🔗 Ms Ekaterina Dide...	Implementation of task for calibratio 🔗 Alexander Bychkov
	Magnetic system of the lines of trans 🔗 Mr Vadim Bass		A CRYOGENIC GAS-FILLED ION ST. 🔗 Mr Vyacheslav Ve...
	Electron string ion sources (ESIS) sp 🔗 Maxim Dzugaev	Microscopic Insights into Supercond 🔗 Vyacheslav Neverov	Exclusive reconstruction of semi-le. 🔗 Mihai-Tiberiu Dima
	Investigation of the possibility of mo 🔗 Mr NABIL ABED	Evolution of the helimagnetic structu 🔗 Sergei Zhurenko	Investigation of the capabilities of a 🔗 Ilya Yujakov
	Electron string ion source (ESIS) ion 🔗 Elizaveta Butenko	Topology of the band structure and . 🔗 Mr Semyon T. Bai...	Production and spectroscopic inves 🔗 Rishav Pandey
	Coffee break 15:35 - 15:55		
16:00	The extraction system adaptation for 🔗 Leonid Sedov	Results of the characterizations of s. 🔗 Ronaldo Rigobert...	Development of a TOF neutron spec 🔗 Nikita Lashmanov
			Mass Characterization of SiPM Tiles 🔗 Aleksei Chetverikov
	Study of the processes of secondary 🔗 Egor Zemlin		Measurements of the Deuteron and 🔗 Ivan Volkov
	A new focal plane recoil gas stoppin 🔗 Андрей Гольцман		Feasibility study for anisotropic flo. 🔗 Peter Parfenov
17:00			

18:00

19:00

Conference dinner

20:00

21:00

22:00

23:00

Restaurant «Proshchaj, oruzhie!», Bogolyubova str. 26

19:00 - 00:00

00:00

Fri 03/11

JINR

MLIT

07:00

08:00

Q&A Science&Education around the world: Vietnam

TRUONG HOAI BAO PHI 

09:00

Bogolyubov Hall (2nd floor), BLTP, JINR

08:30 - 09:30

Multimessenger astronomy

Sergey Troitsky 

10:00	Bogolyubov Hall (2nd floor), BLTP, JINR 09:30 - 11:00	
11:00	Coffee break DLNP, JINR 11:00 - 11:20	
	Cosmology Dmitry Gorbunov 🔗	
12:00	Bogolyubov Hall (2nd floor), BLTP, JINR 11:20 - 12:50	
	Closing remarks 🔗	
13:00	Bogolyubov Hall (2nd floor), BLTP, JINR 12:50 - 13:10	
	Lunch	
14:00	13:10 - 14:40	
	Excursions to JINR facilities	Tutorial
15:00		
16:00		
17:00	14:40 - 17:10	14:40 - 17:10
18:00		
19:00		
20:00		
21:00	Event: Observing the Moon through a Telescope	

Stroteley str., 3

21:00 - 22:00

22:00

23:00



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