

III International Scientific School-Conference on Acoustophysics Named after Academician A.R. Mkrtchyan

June 24 – 28, 2024 Yerevan – Sevan, Armenia

Programme



Date	Morning	Afternoon	Evening
June 24	Registration (9:00 to 10:00)		
	Opening Conference and School Greeting Speech 10:00		
	Lectures	l ·	Session
June 25	Lectures	Oral Session	Poster Section
June 26	(11:00) Trip to Sevan		
June 20		Excursion	
June 27	Oral Sessions	Oral Sessions	Round Table and Conference Dinner
<i>June 28</i>	Oral Sessions	(12:00) Tr	ip to Yerevan,

June 24 Monday					
09:30	Registration				
10:00	Opening School, Greeting Speech				
10:30	Director of IAPP NAS RA		Opening remarks	30 min	
11:00	S.B. Dabagov	Surface Channe Capillary Wave		30 min	
11:30	A.A. Saharian	2D Materials, Emergent Gravity and Quantum Field Theory		30 min	
12:00	Coffe	ee break			
	Chairman: Pi	rof. A.A. Sahar	ian		
12:20	P.V. Karataev	John Adams Ins Platform for Sci and Education		30 min	
12:50	A.H. Melikyan	Chemical Bondi	ng in Molecules	30 min	
13:20	A. M. Petrosyan	New Salts of Am Discovery of a N and Their Possil	lew Class of Salts	30 min	
13:50					
	Chairman: 1	Prof. S. Dabago	ov		
15:00	A.Zh. Khachatryan	Some remarks o diffraction prob		30 min	
15:30	E.Yu. Kidanova	Measurements of Radiation at the Accelerator		20 min	
15:50	A.Zh. Khachatryan		•	20 min	
16:10	V.V. Ghazaryan	Hexahalogenobi Glycine	smuthates of	20 min	
16:30	G.S. Tonoyan	Halogenoplumb and β–Alanine	ates of Glycine	20 min	
16:50	Round Table Discussions				

	June 25 Tuesday			
	Chairman: Prof. P.V. Karataev			
10:00	H.A. Sarkisyan	Exactly Solvable Model of a Pair- Interacting Hole Gas in Lens-Shape GeSi QDs	30 min	
10:30	L.Sh. Grigoryan	Features of Radiation of Charged Particles in Dielectric Loaded Cylindrical Waveguides	30 min	
11:00	K.G. Trouni	The Phenomenon of Interference Absorption of X–ray Radiation in a Perfect and Distorted Crystal Lattice	30 min	
11:30		Coffee break		
	Chair	rman: Prof. K.G. Trouni		
11:50	D.V. Roshchupkin	Ferroelectric Lithium Niobate-Tantalate Crystal LiNb0.93Ta0.07O3	30 min	
12:20	D.V. Roshchupkin	X-ray Diffraction by Surface Acoustic Waves	20 min	
12:40	S.G. Gevorkian	Application of Light Pressure in the Rheology of Biopolymers	30 min	
13:10	13:10 Lunch			
	Chairma	an: Prof. A.H. Mkrtchyan		
14:30	S.A. Mkhitaryan	On Existing Methods and Devices Suitable for Continuous Analog Visible Recording of Seismic and Acoustic Signals	30 min	
15:00	A.S. Abrahamyan	Nikola Tesla and Acoustoplasma	20 min	
15:20	A.I. Soghomonyan	Features of change in dielectric constant in crystals in presence of an alternating electric field	20 min	
15:40	S.G. Arutunian	Footprint of Lienard–Wiechert Field on a One–dimensional Manifold	20 min	
16:00		Coffee break		

16:00		Poster Session
1.	A I Maraaman	Fraunhofer Diffraction by a Slit into a Medium
1.	A. L. Margaryan	with Wave Irreversibility
		GEANT4 Simulation of the Application of a
2.	Yu.M. Cherepennikov	SINUS-320 High-Current Repetitively Pulsed
2.	Tu.M. Cherepennikov	Electron Accelerator for the Sterilization of Cocoa
		Powder
3.	V.V. Ghazaryan	Tetrahalogenobismuthates of Dimethylglycine
4.	Z.H. Mkrtchyan	Why the Physics and the Physicists Should Have
	•	On the Energy Spectrum of an Electron in a
5.	A.I. Soghomonyan	On the Energy Spectrum of an Electron in a Crystal and the Determination of Chemical
٥.	A.I. Sognomonyan	Markings and Electrode Concentrations
		X-ray Study of Structural Changes in the Liquid-
6.	H.H. Samsonyan	Crystal System AOT–Mixed Solvent Under the
	Titil Semisonyem	Influence of Dimethyl Sulfoxide (DMSO)
		The Role of 3D Software's in Developing Models
7.	T.S. Musayelyan	for Innovative Solutions and Sci-Tech Results'
		Commercialization
8.	A.A. Danghyan	Determination of Energy Band Gap of A-Liio3
0.	A.A. Dangnyan	Doped with Amino Acids
9.	P. Glumac	Estimation of Cyclotron–Based 161Tb Production
<i>)</i> .	T. Giuntae	Yields Via 160Gd(D,N)161Tb Nuclear Reaction
10.	M.V. Shevelev	Measuring the Number of the Internal Betatron
	1/11/1/ 2/10/000/	Beam Passes through a thin target
11.	M.V. Shevelev	Measuring the Period of a Multilayer X-ray
12.	T.R. Muradyan	Mirror Using X-ray Cherenkov Radiation
12.	1.K. Muraayan	Experimental Investigation of Mie Scattering Modeling And Measurement of Structural
13.	N.M. Manukyan	Changes in Vibrating Wire Using High Stresses
13.	N.WI. Wanukyan	and Electrical Pulse Embrittlement Procedure
		Investigation Of Parametric X-ray Radiation from
14.	E.Yu. Kidanova	Highly Oriented Pyrolytic Graphite with
		Different Mosaicities
15	EV V: 1	An Experimental Setup for Accurately Measuring
15.	E.Yu. Kidanova	the Thickness of Foil
16.	H.R. Drmeyan	X-ray Interferometric Shift Fringes and
10.	11.K. Dimeyan	Monocrystal "Sandwich"
17.	Ye.H. Hayrapetyan	High-Precision Light Rangefinder with Phase
	10.11. 11a yr aper yarr	Modulation Accumulation
18.	L.S. Bezhanova	Dielectric Response of a Liquid Crystal System to
		The External Alternating Electric Field
19.	I.R. Bagdasaryan	Some Significant Acoustic Aspects in Building
20.	A S. Abrahamyan	Materials Footures of Evneriments with Acquetoplesma
20.	A.S. Abrahamyan	Features of Experiments with Acoustoplasma Applied Physics Problem, the Solution of Which is
21.	A.M. Sedrakyan	Related to the Idea of Solving Differential
21,	11.111. Dear anyan	Equations
		Lyuutons

	June 26 Wednesday			
Excursion to Bjni, Tsaghkunq and Sevan (10:00)				
	Ju	ne 27 Thursday		
10:00	Opening	in Sevan, Greeting Speech	20	
	•		min	
	<u>Cnairma</u>	n: Prof. S.B. Dabagov Proton-induced Reaction Cross Section		
10:20	T.M. Bakhshiyan	Measurements Via Stacked-foil Target Technique	20 min	
40.40		The Results of Preliminary Tests of the	20	
10:40	D.K. Pugachev	ECR Ion Source of the Accelerator Complex DC–140	min	
11:00	V.I. Lisov	Avial Injection System of U/100P		
11.00	V.1. Lisov	Cyclotron of FLNR JINR	min	
11:20	A.M. Mamyan	X-ray Spectrometer with Controlled	20	
11.20	11.1v1. 1v1am yan	Characteristics	min	
11:40	H. Badalyan	Probing the Effect of 15.5 MeV Proton Beam on the Optical and Structural	20	
11.40		Properties of Graphene Layers	min	
12:00				
	Chairma	n: Prof. P.V. Karataev		
		Interband Transitions in the Strongly	20	
12:20	A.A. Nahapetyan	Oblate Asymmetric Ellipsoidal Quantum Dot under the Influence of	min	
		the Axial Magnetic Field	111111	
12:40	M.K. Manvelyan	Intraband Absorption in CdSe	20	
12.40	171.11. 171cm Ciyam	Nanoplatelets	min	
13:00	Zh. Adamyan	Tripartite Entanglement in Mixed-	20	
10.00	Zn. maniyan	Spin Triangle Trimer	min	
13:20	A.V. Shahverdyan	Computer Simulation of CT Experiment Results	20	
4.0		-	min	
13:40	Lunch			
15:00	R. Yu. Chilingaryan	Application of the Catastrophe Theory	20	
12.00	1 1 5	in Experimental Studies	min	
1 = 00	D 4 77	HB13 Giant Galaxy and Distribution of	20	
15:20	R.A. Karapetyan	Extra Galactic Sources Around it	min	

15:40	T.H. Sargsyan	Investigations of Giant Radio Galaxy B2 1141+37	20 min
16:00	N.S. Gharibyan	The Study of Novel Crystal L– Arg·2SSA·H2O	20 min
16:20	A.P. Antonyan	On the Necessity of Designing and Implementing a Territorial Anti– seismic Public Early Warning and Preliminary Protection System	20 min

	June 28 Friday			
	Chairma	n: Prof. H. A. Sarkisyan		
10:00	A.V. Sargsyan	Features of Spectral-Angular Distribution of Radiation by a Train of Electron Bunches Passing through the Centre of a Ball	20 min	
10:20	G.V. Margaryan	Features of Radiation Generated by a Charged Particle Flying Through a Ball of Dispersive Material	20 min	
10:40	G.V. Mirzoyan	PIN-photodiodes Array for Beam Diagnostics in Accelerators	20 min	
11:00	Sh.S. Panyan	The Importance of Citations and the Essential Science Indicators	20 min	
11:20	A.A. Margaryan	Features of the Operation of an Acoustoplasma Magnetron	20 min	
11:40 Closing ceremony and "Best presentation award"			d"	

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