



Prokhorov General Physics Institute
of the Russian Academy of Sciences



**21th International Workshop
Complex Systems of Charged
Particles and
their Interactions with
Electromagnetic Radiation**

Moscow, Russia, April 7-11, 2025



The program of the 21-th International Workshop Complex Systems of Charged Particles and Their Interactions with Electromagnetic Radiation (CSCPIER-2025), April 7-11, 2025, GPI RAS, Moscow, Vavilova street 38, building 1, floor 3, conference hall. General timetable

Time (UTC+3)	Monday, April 7, 2025	Time (UTC+3)	Tuesday, April 8, 2025	Time (UTC+3)	Wednesday, April 9, 2025	Time (UTC+3)	Thursday, April 10, 2025	Time (UTC+3)	Friday, April 11, 2025
9:30 – 10:00	Gathering of the Workshop participants	10:00 – 11:15	Section 2. Complex Plasmas <u>Moderator:</u> N.G. Gusein-zade	10:00 – 11:30	Section 3. Laser Plasmas <u>Moderator:</u> N.G. Gusein-zade	10:00 – 11:30	Section 3. Laser Plasmas <u>Moderator:</u> S.V. Popruzhenko	10:00 – 11:45	Section 4. General Plasmas <u>Moderator:</u> N.G. Gusein-zade
10:00 – 10:15	Opening ceremony								
10:15 – 11:30	Section 1. Basic Aspects of Plasma Science <u>Moderator:</u> N.G. Gusein-zade								
11:30 – 11:45	Coffee break	11:15 – 11:30	Coffee break	11:30 – 11:45	Coffee break	11:30 – 11:45	Coffee break	11:30 – 11:45	Coffee break
11:45 – 13:30	Section 1. Basic Aspects of Plasma Science <u>Moderator:</u> D.G. Vasilkov	11:30 – 13:15	Section 2. Complex Plasmas <u>Moderator:</u> N.G. Gusein-zade	11:45 – 13:30	Section 3. Laser Plasmas <u>Moderator:</u> V.V. Strelkov	11:45 – 13:30	Section 5. Solid State Plasmas <u>Moderator:</u> S.V. Popruzhenko	11:45 – 13:30	Section 4. General Plasmas <u>Moderator:</u> N.N. Skvortsova
13:30 – 14:30	Lunch	13:00 – 14:00	Lunch	13:30 – 14:30	Lunch	13:30 – 14:30	Lunch	13:15 – 14:30	Lunch
14:30 – 16:15	Section 1. Basic Aspects of Plasma Science <u>Moderator:</u> V.D. Borzosekov	14:00 – 16:00	Section 2. Complex Plasmas <u>Moderator:</u> V.Yu. Karasev	14:30 – 16:30	Section 3. Laser Plasmas <u>Moderator:</u> N.G. Gusein-zade	14:30 – 16:15	Section 4. General Plasmas <u>Moderator:</u> O.T. Loza	14:30 – 16:15	Section 4. General Plasmas <u>Moderator:</u> N.G. Gusein-zade
16:15 – 16:30	Coffee break	16:00 – 16:15	Coffee break	16:15 – 16:30	Coffee break	16:15 – 16:30	Coffee break	15:45 – 16:00	Coffee break
16:30 – 18:00	Section 1. Basic Aspects of Plasma Science <u>Moderator:</u> N.G. Gusein-zade	16:15 – 18:00	Section 2. Complex Plasmas <u>Moderator:</u> A.M. Ignatov	16:30 – 18:15	Section 3. Laser Plasmas <u>Moderator:</u> N.G. Gusein-zade	16:30 – 18:00	Section 4. General Plasmas <u>Moderator:</u> N.N. Bogachev	16:00 – 17:45	Section 4. General Plasmas <u>Moderator:</u> E.M. Konchekov
								17:45 – 18:00	Closing ceremony

The program of the 21-th International Workshop Complex Systems of Charged Particles and Their Interactions with Electromagnetic Radiation (CSCPIER-2025), April 7-11, 2025, GPI RAS, Moscow, Vavilova street 38, building 1, floor 3, conference hall

Detailed timetable

April 7 (Monday), 2025						
9:30 — 10:00	Gathering of the CSCPIER-2025 participants					
10:00 — 10:15	Opening Ceremony of the CSCPIER-2025					
Section 1. Basic Aspects of Plasma Science						
	Time (UTC +3)	Report type	Report title	Report authors	Report form	Affiliation
1	10:15 — 10:45	Invited	Features of the transition from a glow discharge to an arc discharge with refractory and non-refractory electrodes in atomic and molecular gases	A.I. Saifutdinov	Online	Kazan National Research Technical University named after A.N.Tupolev - KAI, Kazan, Russia
2	10:45 — 11:10	Oral	The influence of electronegative gas impurities on the Formation of the structure of a short glow discharge in Helium	<u>A.I. Saifutdinov</u> , A.A. Saifutdinova	Online	Kazan National Research Technical University named after A.N.Tupolev - KAI, Kazan, Russia
3	11:00 — 11:15	Oral	Snake-like and straight-line ionization waves formation in plasma jet of a coaxial barrier discharge in argon flow at atmospheric pressure	<u>Y.S. Akishev</u> (1,2,3), S. Ermolaeva (3), M.A. Medvedev (1,3), A.V. Petryakov (1)	Offline	SRC RF TRINITI, Moscow, Russia
4	11:15 — 11:30	Oral	Smooth decrease of spectral series lines intensity when approaching the ionization threshold in a dense equilibrium plasma	R.V. Dobrovenskis (1,2)	Offline	(1) Moscow Institute of Physics and Technology (MIPT), Moscow, Russia (2) Joint Institute for High Temperatures (JIHT) of the Russian Academy of Sciences, Moscow, Russia
	11:30 — 11:45	Coffee Break				
5	11:45 — 12:15	Invited	Nonlinear processes accompanying interaction of relativistic beam with magnetized plasma	A.V. Arzhannikov (1,2)	Online	(1) Budker Institute of Nuclear Physics of Siberian Branch Russian Academy of Sciences, Novosibirsk, Russia (2) Novosibirsk state university, Novosibirsk, Russia
6	12:15 — 12:30	Oral	Nonlinear ICR dynamics of slow ions: A possibility for optimization of an electrodeless	<u>M.A. Tereshchenko</u> (1), I.A. Abramov (1,2)	Offline	(1) Prokhorov General Physics Institute of the Russian Academy of Sciences, Moscow, Russia (2) National Research Center “Kurchatov

			ion thruster			Institute”, Moscow, Russia	
7	12:30 — 12:45	Oral	Effect of magnetic field on deceleration of ion beam due to Cherenkov interaction with ion-acoustic waves	<u>A.A. Shelkovoy</u> , S.A. Uryupin	Offline	P.N. Lebedev Physical Institute of the Russian Academy of Sciences, Moscow, Russia	
8	12:45 — 13:00	Oral	On the third ionization potential of Tantalum atom	<u>R. E. Boltnev</u> (1,2,3), A. V. Karabulin (1,2,3), I. N. Krushinskaya (2,3), A. A. Pelmenov (2,3), and V. I. Matyushenko (2,3)	Offline	(1) Joint Institute for High Temperatures, Russian Academy of Sciences, Moscow, Russia (2) Branch of Semenov Federal Research Center for Chemical Physics, Russian Academy of Sciences, Chernogolovka, Moscow region, Russia (3) Federal Research Center for Problems of Chemical Physics and Medicinal Chemistry, Russian Academy of Sciences, Chernogolovka, Moscow region, Russia	
9	13:00 — 13:15	Oral	Ion-acoustic solitons in a collisionless nonisothermal plasma	<u>S.V. Kuznetsov</u>	Offline	Joint Institute for High Temperature of the Russian Academy of Sciences, Moscow, Russia	
10	13:15 — 13:30	Oral	Combining a plasma detector and a chromatograph into a single analytical cycle for determining the composition of gaseous impurities	<u>S.S. Sysoev</u> (1), <u>A.I. Saifutdinov</u> (2)	Online	(1) St. Petersburg State University, Saint-Petersburg, Russia. (2) Kazan National Research Technical University named after A. N. Tupolev - KAI, Kazan, Russia.	
	13:30 — 14:30	Lunch					
11	14:30 — 15:00	Invited	Simulation of lightning discharges on the scale of a laboratory experiment and related electromagnetic phenomena	<u>E.V. Parkevich</u>, <u>K.V. Shpakov</u>, <u>A.I. Khirianova</u>	Offline	P.N. Lebedev Physical Institute of the Russian Academy of Sciences, Moscow, Russia	
12	15:00 — 15:15	Oral	On the characteristic thresholds in the generation of highly ionized plasma in pulsed nanosecond gas discharges	<u>E.V. Parkevich</u> , <u>K.V. Shpakov</u> , <u>A.I. Khirianova</u> , <u>S.Yu. Gavrilov</u>	Offline	P.N. Lebedev Physical Institute of the Russian Academy of Sciences, Moscow, Russia	
13	15:15 — 15:30	Oral	The propagation of an ionization front of low-pressure surface-wave sustained discharge	<u>V.I. Zhukov</u> , <u>D.M. Karfidov</u>	Offline	Prokhorov General Physics Institute of the Russian Academy of Sciences, Moscow, Russia	
14	15:30 — 15:45	Oral	Physical processes in inductively coupled plasma and their impact on the accuracy of mass spectrometry	<u>N.Sh. Jafar</u> (1), <u>T.K. Nurubeyli</u> (1,2)	Online	(1) Institute of Physics of the Ministry of Science and Education of Republic of Azerbaijan, Baku, Azerbaijan, (2) Azerbaijan State Oil and Industry University, Baku, Azerbaijan	

15	15:45 — 16:00	Oral	On the Characteristics of Electron Diffusion and Drift in Inert Gases	<u>S.A. Maiorov (1)</u> , R. I. Golyatina (2), S. K. Kodanova (3), T. S. Ramazanov (3)	Offline	(1) Joint Institute for High Temperatures of the Russian Academy of Sciences, Moscow, Russia (2) Prokhorov General Physics Institute of the Russian Academy of Sciences, Moscow, Russia (3) Institute for Experimental and Theoretical Physics, Al-Farabi Kazakh National University, Almaty, Kazakhstan
16	16:00 — 16:15	Oral	Experimental determination of the Debye length of screening and accumulation of electrons in semiconductor nanostructures	R.K. Yafarov	Online	Saratov branch of the Institute of Radio Engineering and Electronics named after V. A. Kotelnikov RAS, Saratov, Russia
	16:15 — 16:30	Coffee Break				
17	16:30 — 17:00	Invited	Properties of non-ideal plasma	<u>A.D. Rakhel</u>, A.S. Shumikhin	Offline	Joint Institute for High Temperatures of the Russian Academy of Sciences, Moscow, Russia
18	17:00 — 17:15	Oral	Ab initio Recombination in Ultracold Plasmas	<u>Yu.V. Dumin (1,2)</u> , L.M. Svirskaya (3,4)	Offline	(1) Lomonosov Moscow State University, Moscow, Russia (2) Space Research Institute of the Russian Academy of Sciences, Moscow, Russia (3) South Ural State University, Chelyabinsk, Russia (4) South Ural State Humanitarian Pedagogical University, Chelyabinsk, Russia
19	17:15 — 17:30	Oral	To the spectrum of collective excitations in strongly coupled plasma-like liquids	<u>S.A. Trigger (1)</u> , S.A. Maslov (1,2)	Offline	(1) Joint Institute for High Temperatures of Russian Academy of Sciences, Moscow, Russian Federation (2) Lomonosov Moscow State University, Moscow, Russian Federation
20	17:30 — 17:45	Oral	Attractive - repulsive gravity: mass defect and binding energy	S.A. Trigger	Offline	Joint Institute for High Temperatures of the Russian Academy of Sciences, Moscow, Russia
21	17:45 — 18:00	Oral	On R.L. Stratonovich's formula for transition from dynamic to probabilistic measurements and its connection with operations on distribution functions of random variables	M.Yu. Romanovsky (1,2,3)	Offline	(1) National Center for Physics and Mathematics, Sarov, Russia (2) Private Enterprise for Nuclear Industry Scientific Development "Science and Innovations", Moscow, Russia (3) Pirogov Russian National Research Medical University, Moscow, Russia

April 8 (Tuesday), 2025

Section 2. Complex Plasmas

	Time (UTC+3)	Report type	Report title	Report authors	Report form	Affiliation
1	10:00 — 10:30	Invited	Energy transfer in plasma crystal	A.M. Ignatov	Offline	Prokhorov General Physics Institute of the Russian Academy of Sciences, Moscow, Russia
2	10:30 — 10:45	Oral	Equations of state for limited one-component plasma	D.I. Zhukhovitskii	Offline	Joint Institute for High Temperatures of the Russian Academy of Sciences, Moscow, Russia
3	10:45 — 11:00	Oral	Non-Hermitian skin effect in dusty plasma chain structures	<u>D. A. Kolotinskii</u> (1,2), A.V. Timofeev (1,2,3)	Offline	(1) Joint Institute for High Temperatures of the Russian Academy of Sciences, Moscow, Russia (2) Moscow Center for Advanced Studies , Moscow, Russia (3) HSE University, Moscow, Russia
4	11:00 — 11:15	Oral	Excess entropy of Yukawa fluid (complex plasma)	S.A. Khrapak	Online	Joint Institute for High Temperatures of the Russian Academy of Sciences, Moscow, Russia
	11:15 — 11:30	Coffee Break				
5	11:30 — 12:00	Invited	Dynamics of dusty plasma in a glow discharge in helium in magnetic fields up to 1.5 T	<u>L.G. Dyachkov</u> (1), E.S. Dzlieva (2), L.A. Novikov (2), S.I. Pavlov (2), V.Yu. Karasev (2)	Offline	(1) Joint Institute for High Temperatures of the Russian Academy of Sciences, Moscow, Russia (2) Saint-Petersburg State University, Saint-Peterburg, Russia
6	12:00 — 12:15	Oral	Changes in the arrangement of dust particles and the geometry of dust structures under the influence of a magnetic field in different types of discharges	<u>V.Yu. Karasev</u> , E.S. Dzlieva, D.V. Yanisin, M.A. Gasilov, L.A. Novikov, S.I. Pavlov	Offline	Saint-Petersburg State University, Saint-Peterburg, Russia
7	12:15 — 12:30	Oral	Analysis of dusty plasma characteristics in noble gases at the same current and pressure in a gas discharge tube	<u>S. A. Maiorov</u> (1), R. I. Golyatina (2), E.S. Dzlieva (3), V.Yu. Karasev (3)	Offline	(1) Joint Institute for High Temperatures, Russian Academy of Sciences, Moscow, 125412 Russia (2) Prokhorov General Physics Institute of the Russian Academy of Sciences, Moscow, Russia (3) Saint-Petersburg State University, Saint-Peterburg, Russia
8	12:30 — 12:45	Oral	Experimental study of dusty plasma formation in a low-pressure capacitive RF discharge	<u>M.E. Viktorov</u> , S.V. Sintsov, D.A. Sergeev, I.M. Kraev, E.I. Preobrazhensky, A.V. Vodopyanov	Offline	Federal Research Center A.V. Gaponov-Grekhov Institute of Applied Physics of the Russian Academy of Sciences, Nizhny Novgorod, Russia
9	12:45 — 13:00	Oral	Changes in the structure of BiFeO ₃ nanoparticles under the influence of microwave radiation from a powerful Girotron	<u>Z.G. Ragimkhanova</u> (1) , G.B. Ragimkhanov (2), S.Kh. Gadzimagomedov (2), A.S. Sokolov (3), Z.A. Zakletskii (3), E.V. Voronova (3), N.N. Skvortsova (3)	Offline	(1) MIREA – Russian Technological University, Moscow, Russia (2) Dagestan State University, Makhachkala, Russia (3) Prokhorov General Physics Institute of the Russian Academy of Sciences, Moscow, Russia

	13:00 — 14:00	Lunch				
10	14:00 — 14:30	Invited	Active Brownian Motors in Coulomb Systems in Plasma, Liquid and Superfluid Helium	O.F. Petrov	Offline	Joint Institute for High Temperatures of the Russian Academy of Sciences, Moscow, Russia
11	14:30 — 14:45	Oral	Structures of an Active Coulomb Particles in Gas-discharge Plasma	M.M. Vasiliev, R.A. Syrovatka, E.A. Kononov, R.V. Senoshenko, O.F. Petrov	Offline	Joint Institute for High Temperatures of the Russian Academy of Sciences, Moscow, Russia
12	14:45 — 15:00	Oral	Motion of an active Brownian particle in RF discharge plasma in different damping regimes	X.G. Koss (1,2), K.A. Mizeva (1,2), A.V. Erilin (1,2), R.A. Syrovatka (1), D.A. Zamorin (1,2), M.M. Vasiliev (1) and O.F. Petrov (1,2)	Offline	(1) Joint Institute for High Temperatures of the Russian Academy of Sciences, Moscow, Russia (2) Moscow Institute of Physics and Technology, Dolgoprudny, Russia
13	15:00 — 15:15	Oral	Dynamics in the system of active Brownian particles in gas-discharge plasma under external influence	R.V. Senoshenko (1,2), E.A. Kononov (1,2), M.M. Vasiliev (1), O.F. Petrov (1)	Offline	(1) Joint Institute for High Temperatures of the Russian Academy of Sciences, Moscow, Russia (2) Moscow Institute of Physics and Technology, Dolgoprudny, Russia
14	15:15 — 15:30	Oral	Experimental simulation of dust plasma near an atmosphereless space body	I.A. Shashkova, I.A. Kuznetsov (1), A.A. Kartasheva (1), S.I. Popel (1), G.G. Dol'nikov (1), A.N. Lyash (1), M.E. Abdelaal (1), A.V. Zakharov (1)	Offline	Federal State Budgetary Institution of Science Space Research Institute of the Russian Academy of Sciences (IKI), Moscow, Russia
15	15:30 — 15:45	Oral	Electromagnetic signatures of dust-induced discharges in simulated planetary conditions	M.E. Abdelaal (1, 2), M.A. Zaitsev (2), I.V. Dokuchaev (2), I.A. Kuznetsov (2), A.N. Lyash (2), I.A. Shashkova (2), A.E. Dubov (2), A.A. Kartasheva (2), G.G. Dolnikov (2), A.V. Zakharov (2),	Offline	(1) Moscow Institute of Physics and Technology, Dolgoprudny, Russia (2) Federal State Budgetary Institution of Science Space Research Institute of the Russian Academy of Sciences (IKI), Moscow, Russia
16	15:45 — 16:00	Oral	Lunar dusty plasma exosphere: dynamics, laboratory simulation and means of protection	I.A. Kuznetsov, I.A. Shashkova, A.A. Kartasheva, S.I. Popel, T.I. Morozova, G.G. Dol'nikov, A.N. Lyash, A.V. Zakharov, L.M. Zeleny	Offline	Federal State Budgetary Institution of Science Space Research Institute of the Russian Academy of Sciences (IKI), Moscow, Russia
	16:00 — 16:15	Coffee Break				

17	16:15 — 16:45	Invited	Dusty Plasma in the Solar System: Atmospheres of Planets	<u>S. I. Popel</u>, Yu. S. Reznichenko, S. I. Kopnin, Yu. N. Izvekova, A. Yu. Dubinskii, L.M. Zelenyi	Offline	Space Research Institute RAS, Moscow, Russia
18	16:45 — 17:00	Oral	Dusty plasma conditions in Saturn's Magnetosphere	<u>S.I. Kopnin</u> (1), D.V Shokhrin. (2), S.I. Popel (1)	Online	(1) Space Research Institute of the Russian Academy of Sciences (IKI), Moscow, Russia (2) HSE University, Moscow, Russia
19	17:00 — 17:15	Oral	On the Influence of Magnetic Field on the Propagation of Low-Frequency Nonlinear Dust Acoustic Waves in the Plasma of Saturn's Magnetosphere	<u>S.I. Kopnin</u> (1), D.V. Shokhrin (2), S.I. Popel (1)	Online	(1) Space Research Institute of the Russian Academy of Sciences (IKI), Moscow, Russia (2) HSE University, Moscow, Russia
20	17:15 — 17:30	Oral	Nonlinear dust acoustic waves near the surfaces of Phobos and Deimos	<u>Yu.N. Izvekova</u> , S.I. Kopnin, S.I. Popel	Offline	Space Research Institute of the Russian Academy of Sciences (IKI), Moscow, Russia
21	17:30 — 17:45	Oral	Dusty Plasmas at Active Asteroids	<u>A.Yu. Dubinsky</u> , Yu.S. Reznichenko, S.I. Popel	Offline	Space Research Institute of the Russian Academy of Sciences (IKI), Moscow, Russia

April 9 (Wednesday), 2025

Section 3. Laser Plasmas

	Time (UTC +3)	Report type	Report title	Report authors	Report form	Affiliation
1	10:00 — 10:30	Invited	Laser sources of high energy particles and radiation	N.E. Andreev (1,2)	Offline	(1) Joint Institute for High Temperatures of the Russian Academy of Sciences, Moscow, Russia (2) Moscow Institute of Physics and Technology, Dolgoprudny, Russia
2	10:30 — 10:45	Oral	High current relativistic electron beams for bright X-ray and gamma-ray sources	M.E. Veysman (1), N.E. Andreev (1,2), I.R. Umarov (1), V.S. Popov(1,2)	Online	(1) Joint Institute for High Temperatures of the Russian Academy of Sciences, Moscow, Russia (2) Moscow Institute of Physics and Technology (State University), Dolgoprudny, Russia
3	10:45 — 11:00	Oral	Generation of Elliptically Polarized Radiation by Gas Media in Two-Color Laser Fields	S.Yu. Stremoukhov (1,2)	Offline	(1) Lomonosov Moscow State University, Moscow, Russia (2) National Research Center "Kurchatov Institute", Moscow, Russia
4	11:00 — 11:15	Oral	Nonlinear response of atomic gases: analytical treatment in the frame of the non-perturbative approach	K.V. Lvov (1,2), S.Yu. Stremoukhov (1,2)	Offline	(1) Moscow State University, Moscow, Russia (2) National Research Center "Kurchatov Institute", Moscow, Russia
5	11:15 — 11:30	Oral	Features of the formation of periodic subwavelength microstructures in the process of femtosecond laser writing in the volume of solid dielectrics	A.V. Bogatskaya (1,2) , E.A. Volkova (3) , A.M. Popov (1,2)	Offline	(1) Lebedev Physical Institute, Russian Academy of Sciences, Moscow Russia (2) Department of Physics, Lomonosov Moscow State University, Moscow, Russia (3) Skobeltsyn Institute of Nuclear Physics, Lomonosov Moscow State University, Moscow, Russia
6	11:30 — 11:45	Oral	Controlled laser microstructuring in the volume of transparent solid dielectrics	P.M. Nikiforova (1,2,3), A.V. Bogatskaya (1,2), A.M. Popov (1,2)	Offline	(1) Lomonosov Moscow State University, Moscow, Russia (2) Lebedev Physical Institute, Russian Academy of Sciences, Moscow, Russia (3) Moscow Technical University of Communications and Informatics, Moscow, Russia
	11:45 — 12:00	Coffee Break				
7	12:00 — 12:30	Invited	Advanced Laser Mode Strategies for Enhanced Electron Acceleration in Nonlinear Plasma	M. Sedaghat (1), A. Amouye Foumani (1), A. Niknam(1),	Online	Laser and Plasma Research Institute, Shahid Beheshti University, Tehran, Iran.
8	12:30 — 12:45	Oral	Resonant interaction of high-power laser radiation with plasma at a doubled upper hybrid frequency	V.A. Turikov	Offline	RUDN University, Moscow, Russian Federation

9	12:45 — 13:00	Oral	Nonlinear scattering of a femtosecond laser pulse on a dense, small-scale plasma	<u>M.V. Sedov</u> (1,2), A.A. Andreev (3), K.Yu. Platonov (4), L.A. Litvinov (3)	Offline	(1) Joint Institute for High Temperatures of the Russian Academy of Sciences, Moscow, Russia (2) National Research Nuclear University MEPhI, Moscow, Russia (3) Saint-Petersburg State University, St. Petersburg, Russia (4) Saint-Petersburg State Polytechnic University, Polytechnicheskaya, 29, 2195251, St. Petersburg, Russia;	
10	13:00 — 13:15	Oral	Modeling of electron acceleration processes in dense plasma under the action of a relativistic laser pulse with an intensity of 10^{22} W/cm ²	<u>D. I. Gimaletdinova</u> (1, 2), M.V. Sedov (1, 2)	Offline	1 Joint Institute for High Temperatures of the Russian Academy of Sciences (JIHT RAS), Moscow, Russia; 2 National Research Nuclear University MEPhI, Moscow, Russia.	
11	13:15 — 13:30	Oral	Spatio-temporal Goos-Hänchen effect at a laser pulse reflection from boundary of supercritical plasma	A.A. Frolov	Offline	P.N. Lebedev Physical Institute of RAS, Moscow, Russia	
	13:30 — 14:30	Lunch					
12	14:30 — 15:00	Invited	Investigation of extreme matter state with energy density ~ 1 GJ/cm³ generated by ultra-relativistic laser pulses	<u>M.A. Alkhimova</u> (1) <u>I.Yu. Skobelev</u> (1) <u>T.A. Pikuz</u> (2)	Offline	(1) Joint Institute for High Temperatures of the Russian Academy of Sciences (JIHT RAS), Russia (2) Institute for Open and Transdisciplinary Research Initiatives, Osaka University, Suita, Osaka, Japan	
13	15:00 — 15:15	Oral	Generation of X-ray atto-pulses in laser plasma and its amplification by XFEL	<u>A.A. Andreev</u> (1,3), K. Yu. Platonov (2)	Online	(1) Saint Petersburg State University, Saint Petersburg, Russia (2) Peter the Great St. Petersburg Polytechnic University, Saint Petersburg, Russia (3) Ioffe Physico-Technical Institute, Saint Petersburg, Russia	
14	15:15 — 15:30	Oral	Formation of high-aspect-ratio nanocavity in LiF crystal using a femtosecond of x-ray FEL pulse	<u>S.S. Makarov</u> (1), V.V. Zhakhovsky (1), S.A. Grigoryev (1), P. Chuprov (2), T.A. Pikuz (3), N.A. Inogamov (1,4), V.V. Khokhlov (1,4), Y.V. Petrov (4), E. Perov (1), V. Shepelev (2), T. Shobu (5), A. Tominaga (5), L. Rapp (6), S. Juodkakis		(1) Joint Institute for High Temperatures of the Russian Academy of Sciences, Moscow, Russia. (2) Institute for Computer Aided Design, Russian Academy of Sciences, Moscow, Russia. (3) Institute for Open and Transdisciplinary Research Initiatives, Osaka University, Osaka, Japan. (4) Landau Institute for Theoretical Physics of Russian Academy of Sciences, Chernogolovka, Moscow Region, Russia.	

				(7,8), M. Makita (9), M. Nakatsutsumi (9), T.R. Preston (9), K. Appel (9), Z. Konopkova (9), V. Cerantola (9,10), E. Brambrink (9), J. Schwinkendorf (9), I. Mohacsi (9), V. Vozda (11), V. Hajkova (11), T. Burian (11), J. Chalupsky (11), L. Juha (11), N. Ozaki (12), R. Kodama (12,13), U. Zastra (9), A.V. Rode (6), and S.A. Pikuz (14)		(5) The facility at Material Science Research Center, Japan Atomic Energy Agency, Sayo, Japan. (6) Laser Physics Centre, Department of Quantum Science and Technology, Research School of Physics, Australian National University, Canberra ACT 2600, Australia. (7) Optical Sciences Centre and ARC Training Centre in Surface Engineering for Advanced Materials (SEAM), School of Science, Swinburne University of Technology, Hawthorn, Australia (8) Tokyo Tech World Research Hub Initiative (WRHI), School of Materials and Chemical Technology, Tokyo Institute of Technology, Tokyo, Japan (9) European XFEL, Hamburg, Germany. (10) Università degli Studi di Milano Bicocca, Milano, Italy (11) Department of Radiation and Chemical Physics, Institute of Physics, Czech Academy of Sciences, Prague, Czech Republic. (12) Graduate School of Engineering, Osaka University, Osaka, Japan (13) Institute of Laser Engineering, Osaka University, Osaka, Japan (14) HB11 Energy Holdings, Freshwater, Australia.
15	15:30 — 15:45	Oral	Fano resonance in high-order harmonic generation and its classical analogy	<u>V.V. Strelkov</u> (1,2), S.A. Bondarenko (2,3)		(1) P.N. Lebedev Physical Institute of the Russian Academy of Sciences, Moscow, Russia (2) A. V. Gaponov-Grekhov Institute of Applied Physics of the Russian Academy of Sciences, Nizhny Novgorod, Russia (3) National Research Nuclear University MEPhI, Moscow, Russia
16	15:45 — 16:00	Oral	Effect of short-wave pumping during high harmonic generation by gallium ions in a laser field	<u>A.I. Magunov</u> (1,2,3), M.M. Popova (2,4), <u>S.N. Yudin</u> (4)		(1) Prokhorov General Physics Institute of the Russian Academy of Sciences, Moscow, Russia (2) A.V. Gaponov-Grekhov Institute of Applied Physics, Russian Academy of Sciences, Nizhny Novgorod, Russia (3) All-Russian Scientific Research Institute of Physical-Technical and Radiotechnical Measurements, Mendeleevo, Moscow oblast,

						Russia (4) Skobeltsyn Institute of Nuclear Physics, Lomonosov Moscow State University, Moscow, Russia
17	16:00 — 16:15	Oral	The effect of laser pulse duration on the dynamics of water molecule Coulomb explosion	<u>S.N. Yudin</u> , A.V. Bibikov, M.M. Popova, E.V. Gryzlova, A.N. Grum-Grzhimailo	Offline	Skobeltsyn Institute of Nuclear Physics, Lomonosov Moscow State University, Moscow, Russia
	16:15 — 16:30	Coffee Break				
18	16:30 — 17:00	Invited	Crystallite mobility and corresponding changes in surface structure under weak (below the melting threshold) nanosecond impact	N.A. Inogamov (1,2,3)	Offline	(1) Landau Institute for Theoretical Physics, RAS, Chernogolovka, Russia (2) Joint Joint Institute for High Temperatures of the Russian Academy of Sciences, Moscow, Russia (3) Centre for Fundamental and Applied Research, L.N. Dukhov All-Russia Research Institute of Automatics, Moscow, Russia
19	17:00 — 17:15	Oral	Treatment of p- and higher order electronic subshells in strong-field ionization in particle in cell simulations	<u>A. A. Mironov (1)</u> , E. G. Gelfer (2), S. V. Popruzhenko (3,4)	Online	(1) Center for Theoretical Physics (CPHT), CNRS, Ecole Polytechnique, Institut Polytechnique de Paris, Palaiseau, France (2) ELI Beamlines Facility, The Extreme Light Infrastructure ERIC, Dolni Brezany, Czech Republic (3) National Research Nuclear University MEPhI, Moscow, Russia (4) Prokhorov General Physics Institute RAS, Moscow, Russia
20	17:15 — 17:30	Oral	Quantum-Quasiclassical Method for Atomic Processes in Strong Laser Fields	V.S. Melezhhik_(1,2)	Offline	Bogoliubov Laboratory of Theoretical Physics, Joint Institute for Nuclear Research, Dubna, Russia
21	17:30 — 17:45	Oral	The RABBITT setup in the Light of Diverse Polarizations	<u>M.M. Popova (1,2)</u> , S.N. Yudin (1), A.N. Grum-Grzhimailo (1), E.V. Gryzlova (1,2)	Offline	(1) Skobeltsyn Institute of Nuclear Physics, Lomonosov Moscow State University, Moscow, Russia (2) A.V. Gaponov-Grekhov Institute of Applied Physics, Russian Academy of Sciences, Nizhny Novgorod, Russia
22	17:45 — 18:00	Oral	Compton ionization of positronium by twisted photons	<u>Popov Yu. V. (1,2)</u> , Volobuev I. P. (1), Bornikov K. A. (3)	Offline	(1) Skobeltsyn Institute of Nuclear Physics, Lomonosov Moscow State University, Moscow, Russia (2) Bogoliubov Laboratory of Theoretical Physics, Joint Institute for Nuclear Research, Dubna, Russia (3) Physics Department, Lomonosov Moscow State

						University, Moscow, Russia
23	18:00 — 18:15	Oral	Abraham's radiation friction threshold for an electron colliding with a laser pulse	A.V. Borovskiy (1), <u>A.L. Galkin</u> (2)	Offline	(1) Baikal State University, Irkutsk, Russia (2) Prokhorov General Physics Institute of the Russian Academy of Sciences, Moscow, Russia

April 10 (Thursday), 2025

Section 3. Laser Plasmas

	Time (UTC +3)	Report type	Report title	Report authors	Report form	Affiliation
24	10:00 — 10:30	Invited	Relativistic laser-driven particles beam acceleration with thin liquid targets	<u>K. A. Ivanov (1,2)</u> , S. A. Shulyapov (1), M.P. Filimonchuk (1,3), I. N. Tsymbalov (1,4), D. A. Gorlova (1), I. P. Tsygvintsev (5), M. S. Krivokorytov (6), R. V. Volkov (1), A B Savelev (1,2)	Online	(1) Physics faculty, M.V. Lomonosov Moscow State University, Moscow, Russia (2) Lebedev Physical Institute of RAS, Moscow, Russia (3) Joint Institute of High Temperatures of RAS, Moscow, Russia (4) Institute for Nuclear Research of RAS, Moscow, Russia (5) Keldysh Institute of applied mathematics of RAS, Moscow, Russia (6) Institute of Spectroscopy of RAS, Troitsk, Russia
25	10:30 — 10:45	Oral	Energy-tunable quasi-monoenergetic electron beam obtaining with LWFA	<u>E.M. Starodubtseva (1)</u> , I.N. Tsymbalov (1,2), D.A. Gorlova (2), K.A. Ivanov (1,3), A.B. Savel'ev (1,3)	Offline	(1) Lomonosov Moscow State University, Moscow, Russia (2) Institute for Nuclear Research of the Russian Academy of Sciences, Moscow, Russia (3) P.N. Lebedev Physical Institute, Moscow, Russia
26	10:45— 11:00	Oral	Investigation of beam-loading effect in laser-wakefield acceleration of electron bunch and its influence on electron bunch energy spread	<u>I.R. Umarov (1,2)</u> , N.E. Andreev (1,2)	Offline	(1) Joint Institute for High Temperatures of the Russian Academy of Sciences (JIHT RAS), Moscow, Russia (2) Moscow Institute of Physics and Technology, Dolgoprudny, Russia
27	11:00 — 11:15	Oral	Inhomogeneities effect on autoresonant laser acceleration of cold electrons	Iu.K. Gagarin (1), <u>Ph.A. Korneev (1,2)</u>	Offline	(1) National Research Nuclear University "MEPhI", Moscow, Russia (2) Lebedev Physical Institute of RAS, Moscow, Russia
28	11:15 — 11:30	Oral	Investigation of the preplasm of a solid-state target for problems of laser acceleration of electrons and ions	M.A. Rakitina (1), A.V. Brantov (1), S.I. Glazyrin (1,2)	Offline	(1) P.N. Lebedev Physical Institute of the Russian Academy of Sciences, Moscow, Russia (2) Dukhov Automatics Research Institute, Moscow, Russia

Coffee Break

Section 5. Solid State Plasmas

1	11:45 — 12:15	Invited	Fluid-Fluid decomposition in binary dipolar system under external fields	E.A. Allahyarov_(1,2,3)	Offline	(1) Soft Matter Institute, Theory II, Heinrich-Heine Universitaet Duesseldorf, Dusseldorf (Germany) (2) Department of Physics, Case Western
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						Reserve University, Cleveland OH, USA (3) Theoretical Department, Joint Institute for High Temperatures of the Russian Academy of Sciences, Moscow, Russia
2	12:15 — 12:30	Oral	Interlayer boundaries of ferroelectric superlattices as a source of solid-state plasma formation	D.V. Kuzenko	Online	Scientific Research Institute "Reaktivelectron", Donetsk, Russia
3	12:30 — 12:45	Oral	Possible mechanism of the highly conductive state in low-dimensional systems	L.M. Svirskaya (1,2)	Online	(1) South Ural State Humanitarian and Pedagogical University, Chelyabinsk, Russia (2) South Ural State University (National Research University), Chelyabinsk, Russia
4	12:45 — 13:00	Oral	Modelling of eddy current excitation during femtosecond laser ablation of metals	I.V. Oladyshkin, D.A. Fadeev	Offline	A.V. Gaponov-Grekhov Institute of Applied Physics of the Russian Academy of Sciences, Nizhny Novgorod, Russia
5	13:00 — 13:15	Oral	Production of ultra-thin Ni nanonetwork by laser ablation in superfluid helium	E.V. Dvoretzkaya, R.B. Morgunov	Offline	Federal Research Center of Problems of Chemical Physics and Medicinal Chemistry RAS, Chernogolovka, Moscow region, Russia
6	13:15 — 13:30	Oral	Arc discharge plasma for the synthesis of nanocarbitides and nanocarbitide-based composites	D.S. Nikitin, A. Nassyrbayev, I.I. Shanenkov, A.A. Sivkov	Offline	National Research Tomsk Polytechnic University, Tomsk, Russia
	13:30 — 14:30	Lunch				
Section 4. General Plasmas						
1	14:30 — 15:00	Invited	Gas discharge plasma antennas, arrays and metasurfaces	N.N. Bogachev (1,2), M.S. Usachonak (3), V.P. Stepin (1), V.I. Zhukov (1), S.E. Andreev (1,2), I.L. Bogdankevich (1,2), L.V. Simonchik (3), N.G. Gusein-zade (1,2)	Offline	(1) Prokhorov General Physics Institute of the Russian Academy of Sciences, Moscow, Russia (2) MIREA - Russian Technological University, Moscow, Russia (3) B.I. Stepanov Institute of Physics of the National Academy of Sciences of Belarus, Minsk, Belarus
2	15:00 — 15:15	Oral	Effects of axial plasma density distribution on the characteristics of a plasma antenna	V.P. Stepin (1), N.N. Bogachev (1), S.E. Andreev (1), I.L. Bogdankevich (1), V.I. Zhukov (1), D.M. Karfidov (1), M.S. Usachonak (2), N.G. Gusein-zade (1)	Offline	(1) Prokhorov General Physics Institute of the Russian Academy of Sciences, Moscow, Russia (2) B.I. Stepanov Institute of Physics of the National Academy of Sciences of Belarus, Minsk, Belarus
3	15:15 — 15:30	Oral	Broadband plasma antenna	I.M. Minaev, O.V. Tikhonovich	Offline	Prokhorov General Physics Institute of the Russian Academy of Sciences, Moscow, Russia

4	15:30 — 15:45	Oral	Dynamics of the radiation spectrum under the collective stimulated Cherenkov effect in dielectric and plasma waveguides	<u>A.V. Ershov</u> , M.V. Kuzelev	Offline	Faculty of Physics, Lomonosov Moscow State University, Moscow, Russia	
5	15:45 — 16:00	Oral	Beam instability in a plasma microwave amplifier with coaxial geometry in the presence of an absorber	I.N. Kartashov, M.V. Kuzelev, <u>A.V. Tumanov</u>	Offline	Faculty of Physics, Lomonosov Moscow State University, Moscow, Russia	
6	16:00 — 16:15	Oral	Noise Amplification by a Relativistic Electron Beam in a Double Coaxial Plasma–Metal Waveguide	<u>A. E. Donets</u> , V. I. Rogozhin, A. B. Buleyko, V. P. Bakhtin, A. G. Bykov, O. T. Loza, and A. A. Ravaev	Offline	JSC "SSC RF TRINITY", Troitsk, Moscow, Russia	
7	16:15 — 16:30	Oral	Dependence of Plasma Maser Emission Spectra on Azimuthal Plasma Concentration Inhomogeneity	<u>V. I. Rogozhin</u> (1), A. E. Donets (1), A. B. Buleyko (1), V. P. Bakhtin (1), A. G. Bykov (1), O. T. Loza (1), A. A. Ravaev (1)	Offline	JSC "SSC RF TRINITY" Troitsk, Moscow, Russia	
	16:30 — 16:45	Coffee Break					
8	16:45 — 17:15	Invited	Optimization of Plasma Etching Processes in Microelectronics: applications of plasma diagnostics	A.V. Miakonkikh	Offline	NRC "Kurchatov Institute" – Valiev IPT, Moscow	
9	17:15 — 17:30	Oral	Microwave discharge in wave fields on the surface of solids	<u>Z.A. Zakletskij</u> , S.E. Andreev, D.V. Malakhov	Offline	Prokhorov General Physics Institute of the Russian Academy of Sciences, Moscow, Russia	
10	17:30 — 17:45	Oral	Study of Diode Plasma on the Formation and Propagation of Shock Waves Due to High-Current Electron Beam Exposure	<u>L. M. Iusupova</u> (1, 2), E.D. Kazakov (1, 2, 3, 4), S.I. Tkachenko (2, 3)	Offline	(1) National Research University "MPEI", Moscow, Russian Federation (2) NRC "Kurchatov Institute", Moscow, Russian Federation (3) Moscow Institute of Physics and Technology, Dolgoprudny, Russian Federation (4) KIAM RAS, Moscow, Russian Federation	
11	17:45 — 18:00	Oral	Short-Wavelength Emission from a Hot Dense Plasma	<u>V. P. Krainov</u> (1), and B. M. Smirnov (2)	Offline	(1) Moscow Institute of Physics and Technology, Dolgoprudnyi, Moscow region, Russia (2) Joint Institute for High Temperatures of the Russian Academy of Sciences, Moscow, Russia	

April 11 (Friday), 2025

Section 4. General Plasmas

	Time (UTC +3)	Report type	Report title	Report authors	Report form	Affiliation
12	10:00 — 10:30	Invited	Quasi-stationary magnet-induced confinement of high-energy plasma formation at collision of current-carrying compression plasma flows	<u>V.M. Astashynski</u>, O.G. Penyazkov, P.N. Shoronov	Online	The A.V. Luikov Heat and Mass Transfer Institute of the National Academy of Sciences of Belarus, Minsk, Belarus
13	10:30 — 10:45	Oral	Experimental investigation of an absorption of the ordinary polarization microwaves in a plasma filament	E.Z. Gusakov (2), A.Yu. Popov (2), L.V. Simonchik (1), <u>M.S. Usachonak</u> (1)	Offline	(1) Institute of Physics of NAS of Belarus, Minsk, Belarus (2) Ioffe Institute, St-Petersburg, Russia
14	10:45— 11:00	Oral	Features of electrodynamics of high-frequency discharge in a magnetic field	S.A. Dvinin (1,2), M.A. Korneeva (3), Z.A. Qodirzoda (4), O.A. Sinkevich (5), D.K. Solihzoda (4)	Offline	(1) Lomonosov Moscow state university, Moscow, Russia (2) RUDN university, Moscow, Russia (3) National Research Centre "Kurchatov Institute" - NIISI, Moscow, Russia (4) Tajik National University, Dushanbe, Tajikistan (5) National Research University «Moscow Power Engineering Institute», Moscow, Russia
15	11:00 — 11:15	Oral	Generation of runaway electrons in low pressure air from capacitive discharge plasma	<u>V.F. Tarasenko</u> , E.Kh. Baksht, N.P. Vinogradov	Online	Institute of High Current Electronics SB RAS, Tomsk, Russia
16	11:15 — 11:30	Oral	Trichel pulses in negative corona discharge: instability and behavior near the generation threshold	<u>E.Kh. Baksht</u> , V.F. Tarasenko	Online	Institute of High Current Electronics SB RAS, Tomsk, Russia
	11:30 — 11:45	Coffee Break				
17	11:45 — 12:15	Invited	On the progress in the study of aneutronic proton – boron fusion in a nanosecond vacuum discharge	<u>Yu. K. Kurilenkov</u> (1,2), A.V. Oginov (2), S.N. Andreev (3), S.Yu. Gus'kov (2), I.S. Samoylov (1)	Offline	(1) Joint Institute for High Temperatures of the Russian Academy of Sciences, Moscow, Russia (2) P.N. Lebedev Physical Institute of the Russian Academy of Sciences, Moscow, Russia (3) Moscow Institute of Physics and Technology National Research University, Dolgoprudny, Russia

18	12:15 — 12:30	Oral	Aneutronic proton–boron-11 reaction in quasi-stationary high-density plasma	<u>E.G. Vovkivsky</u> , A.Yu. Chirkov	Offline	Bauman Moscow State Technical University, Moscow, Russia
19	12:30 — 12:45	Oral	Evidences of plasma phase transition in warm dense cesium	<u>A.A. Filatkin</u> (1,2), G.E. Norman (1,2,3), I.M. Saitov (1,4)	Offline	(1) Joint Institute for High Temperatures of the Russian Academy of Sciences, Moscow, Russia (2) Moscow Institute of Physics and Technology, Dolgoprudny, Russia (3) Higher School of Economics, Moscow, Russia (4) University of L'Aquila, L'Aquila, Italy
20	12:45 — 13:00	Oral	About the effect of cathode dispersion on the characteristics of direct current discharge	M.M. Vasiliev, <u>S.A. Maiorov</u> , A. S. Svetlov, O.F. Petrov	Offline	Joint Institute for High Temperatures of the Russian Academy of Sciences, Moscow, Russia
21	13:00 — 13:15	Oral	Obtaining and regularization of a hexagonal irregular computational grid for plasma calculations	<u>S.V. Ryzhkov</u> , V.V. Kuzenov	Offline	Bauman Moscow State Technical University, Moscow, Russia
	13:15 — 14:30	Lunch				
22	14:30 — 15:00	Invited	Prospective schemes of radio-frequency plasma thrusters	<u>I.I. Zadiriev</u>, E.A. Kralkina, K.V. Vavilin, A.M. Nikonov, G.V. Shvidkiy, V.S. Dudin	Offline	Lomonosov Moscow State University, Moscow, Russia
23	15:00 — 15:15	Oral	Optimization of radio-frequency ion thruster prototype for operation as part of an air-breathing electric propulsion engine in ultra-low earth orbits	<u>V.S. Dudin</u> , E.A. Kralkina, K.V. Vavilin, I.I. Zadiriev, A.M. Nikonov, G.V. Shvydkiy	Offline	Lomonosov Moscow State University, Moscow, Russia
24	15:15 — 15:30	Oral	Plasma of the Earth's lower ionosphere in the year of maximum Solar activity	<u>N.V. Bakhmetieva</u> , G.I. Grigoriev, I.N. Zhemyakov, E.E. Kalinina, A.A. Lisov	Online	Radiophysical Research Institute, Lobachevsky State University of Nizhny Novgorod, Nizhny Novgorod, Russia
25	15:30 — 15:45	Oral	Investigations of the ionospheric disturbances during the magnetic storm in March 2015 by using Formosat-3/Cosmic satellite radio occultation measurements	<u>V.N. Gubenko</u> (1), I.A. Kirillovich (1), V.E. Andreev (1)	Offline	Kotelnikov Institute of Radio Engineering and Electronics RAS, Fryazino, Moscow region, Russia.
	15:45 — 16:00	Coffee Break				

26	16:00 — 16:30	Invited	Plasma-activated water: a multifunctional medium for biomedical and nanotechnological applications	R.S. Pessoa (1), J. Karnopp (1), K.G. Kostov (2), C.Y. Koga-Ito (3)	Online	(1) Plasmas and Processes Laboratory (LPP), Aeronautics Institute of Technology (ITA), São José dos Campos, Brazil. (2) Department of Physics, Guaratinguetá Faculty of Engineering, São Paulo State University (UNESP), Guaratinguetá, Brazil. (3) Department of Environment Engineering, Institute of Science and Technology, São Paulo State University (UNESP), São José dos Campos, Brazil.
27	16:30 — 16:45	Oral	Energetic plasma bunches generated under autoresonant interaction in a long mirror trap	V.V. Andreev, <u>A.A. Novitsky</u> , A. Niamanesh	Offline	RUDN University, Moscow, Russia
28	16:45 — 17:00	Oral	ECR heating in a coaxial plasma source CERA-RX(C)	<u>A.V. Kalashnikov</u> , A. Niamanesh	Offline	RUDN University, Moscow, Russia
29	17:00 — 17:15	Oral	Modeling of diffraction of a plane electromagnetic wave on a microstructured plasma of a highly ionized pulsed nanosecond gas discharge	<u>S.Yu. Gavrilov</u> (1), E.V. Parkevich (1), A.I. Khiryanova (1)	Offline	P.N. Lebedev Physical Institute of the Russian Academy of Sciences, Moscow, Russia
30	17:15 — 17:30	Oral	Formation of aluminum oxynitride containing materials in the presence of mono- and polyvalent cations under a microwave discharge	<u>N.S. Akhmadullina</u> (1,2), V.D. Borzosekov(2), T.E. Gayanova(2), V.V. Gudkova (2), N.G. Gusein-zade(2), A.V. Knyazev (2), A.A. Letunov (2), D.V. Malakhov (2), E.D. Obraztsova (3), O.N. Shishilov (2,4), N.N.	Offline	(1) A.A. Baikov Institute of Metallurgy and Material Science of Russian Academy of Sciences, Moscow, Russia (2) Prokhorov General Physics Institute of the Russian Academy of Sciences, Moscow, Russia (3) Moscow Institute of Physics and Technology, Dolgoprudny, Moscow Region, Russia (4) MIREA – Russian Technological University, Institute of Fine Chemical Technology, Moscow, Russia

				Skvortsova (2), A.S. Sokolov (2), V.D. Stepakhin (2)		
31	17:30 — 17:45	Oral	Preparation of bimetallic supported catalysts using a microwave discharge	<u>O.N. Shishilov</u> (1,2), N.S. Akhmadullina (3), V.D. Borzosekov (2), I.Yu. Vafin (2), E.V. Voronova (2), T.E. Gayanova (2), N.G. Gusein-zade (2), V.P. Logvinenko (2), D.V. Malakhov (2), E.D. Obraztsova (4), N.N. Skvortsova(2), A.S. Sokolov (2), V.D. Stepakhin(2)	Offline	(1) Institute of Fine Chemical Technology, MIREA – Russian Technological University, Moscow, Russia (2) Prokhorov General Physics Institute of the Russian Academy of Sciences, Moscow, Russia (3) A.A. Baikov Institute of Metallurgy and Material Science of Russian Academy of Sciences Moscow, Russia (4) Moscow Institute of Physics and Technology, Dolgoprudny, Moscow Region, Russia
	17:45 — 18:00	Closing ceremony				