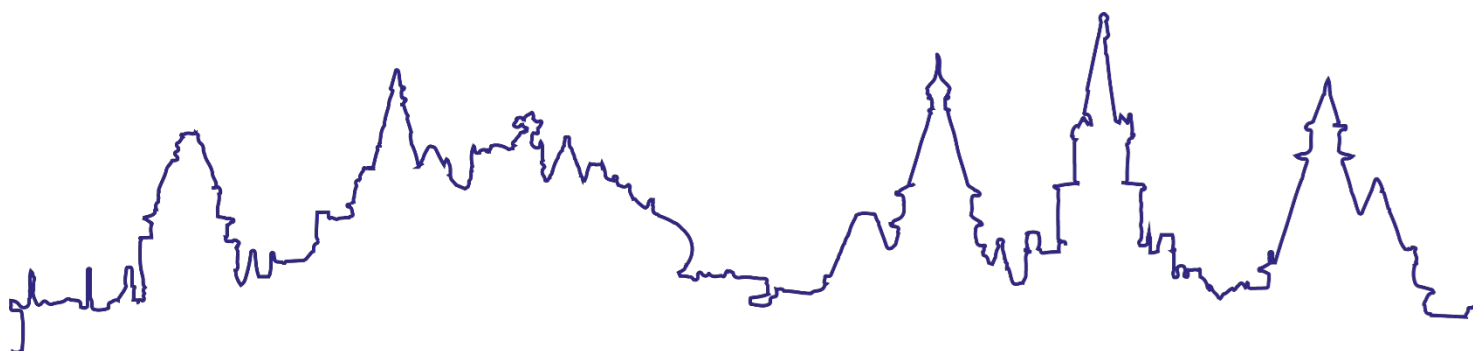


Fundamental Problems of Superconductivity

Conference program



Moscow • Sep 28 – Oct 4 • 2025



GINZBURG
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Отделение
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Monday, September 29

	HALL-1			HALL-2			HALL-3
	Section	Speaker	Title	Section	Speaker	Title	Posters
09:30 — 09:45	REGISTRATION						
09:45 — 10:00							
10:00 — 10:15							
10:15 — 10:30							
10:30 — 10:45							
10:45 — 11:00							
11:00 — 11:15	Opening	Program Committee	Opening				
11:15 — 11:30	Opening	Marina Andrianova	Welcome word from ROSATOM				
11:30 — 11:45	COFFEE BREAK						
11:45 — 12:00	COFFEE BREAK						
	M. Eremetz Memorial session						
12:00 — 12:15	Plenary (RTS)	Viktor Struzhkin	Progress in approaching room temperature superconductivity in hydrides				Poster session, Section A
12:15 — 12:30							
12:30 — 12:45							
12:45 — 13:00	Invited (RTS)	Vladimir Pudalov	Superconductivity in Hydrides at Nearly Room Temperature				
13:00 — 13:15							
13:15 — 13:30	Plenary (M)	Michael Sadvovskii	Upper limit for superconducting transition temperature in electron – phonon superconductors: very strong coupling				
13:30 — 13:45							
13:45 — 14:00							
14:00 — 14:15	BREAK						
14:15 — 14:30	BREAK						
14:30 — 14:45	BREAK						
14:45 — 15:00	BREAK						
15:00 — 15:15	RTS	Alexander Kvashnin	Simulation of formation of LaH ₁₀ under pressure by deep learning potentials				Poster session, Section A
15:15 — 15:30	RTS	Andrey Sadakov	Vortex Phase Transitions in Bismuth Hydride BiH ₂ at 169 GPa				
15:30 — 15:45	RTS	Maxim Grebenyuk	Superconductivity in Ca-Y-H at high pressures				
15:45 — 16:00	M	Alexey Menushenkov	The electronic mechanism for charge carrier pairing in real space in HTSC oxides based on BaBiO ₃				
16:00 — 16:15	M	Vadim Grinenko	Higher-order condensates in multi-component superconductors				
16:15 — 16:30	COFFEE BREAK						
16:30 — 16:45	COFFEE BREAK						
	Unconventional superconductivity						
16:45 — 17:00	Invited (M)	Alexander Melnikov	Nonlocal superconducting pairing at interfaces of hybrid structures: new directions for engineering of the type of Cooper pairs	Yury Vysokikh (STC MTEON) - Modern scientific equipment for materials science			Poster session, Section A
17:00 — 17:15				Alexey Shamis (SPE group) - Introduction to the Scientific Equipment Group of Companies.			
17:15 — 17:30	Invited (M)	Alexander Golubov	Full Counting Statistics for Unconventional Superconductor Junctions	Nikolay Baranov (Microtechpro LLC) - Equipment, Service, Parts and Consumables for FIB, SEM and TEM.			
17:30 — 17:45							
17:45 — 18:00	SQ	Mikhail Kalenkov	Absence of “fractional ac Josephson effect” in superconducting junctions				
18:00 — 18:15	WELCOME PARTY						
18:15 — 18:30	WELCOME PARTY						
18:30 — 18:45	WELCOME PARTY						
18:45 — 19:00	WELCOME PARTY						
19:00 — 19:15	WELCOME PARTY						
19:15 — 19:30	WELCOME PARTY						
19:30 — 19:45	WELCOME PARTY						
19:45 — ??:??	WELCOME PARTY						

Tuesday, September 30

	HALL-1			HALL-2			HALL-3
	Section	Speaker	Title	Section	Speaker	Title	Posters
	Pnictides, spin-triplet						
10:00 — 10:15	Invited (SM)	Liang Keyi	Pure Nematic Transition Inside the Superconducting Dome of Iron Chalcogenide Superconductor $\text{FeSe}_{1-x}\text{Te}_x$	Invited (A)	Mikhail Moyzykh	High temperature superconductor: an affordable material for energy, science and transport	Poster session, Section A
10:15 — 10:30							
10:30 — 10:45	M	Svetoslav Kuzmichev	Doping Evolution of Na(Fe,Co)As Superconducting Gap Structure: Influence of Spin Fluctuations	Invited (A)	Pavel Degtyarenko	Investigation of the vortex structure pinning in irradiated 2G HTS wire	
10:45 — 11:00	Plenary (M)	Vladimir Zyuzin	Odd frequency spin-triplet pairing in disordered electron liquid	A	Alexey Prutkov	Alternating Current Oscillation Shaper for Superconductor Research	
11:00 — 11:15							
11:15 — 11:30							
11:30 — 12:00	COFFEE BREAK						
	Nickelates, cuprates						
12:00 — 12:15	Invited (M)	Ivan Leonov	Electronic structure, orbital-selective renormalizations, and magnetic correlations in nickelate superconductors	A	Konstantin Kovalev	Synchronous electric machines with superconducting stator and rotor windings	Poster session, Section A
12:15 — 12:30							
12:30 — 12:45	Invited (M)	Sergey Ovchinnikov	Effects of mean field and fluctuations in HTSC cuprates	Invited (A)	Ildar Abdyukhanov	Development of superconducting materials at Bochvar Institute	
12:45 — 13:00							
13:00 — 13:15	Invited (M)	Elena Shneider	Competition of polaronic and bipolaronic effects in the normal state of an electron-correlated system	A	Irina Martirosyan	Combined experimental and numerical study of normal zone propagation in non-insulated HTS coils	
13:15 — 13:30							
13:30 — 13:45	M	Anna Myasnikova	Systems with strong long-range electron-phonon coupling and cuprates-like dispersion: single nature of pseudogap, charge ordering and superconducting phases and other peculiarities of two-liquid system of charge carriers	A	Nikolai Ivanov	Electric machines with HTS windings	
13:45 — 14:00	M	Valerii Kuzmin	Dynamic spin response within the effective Hubbard model for cuprates	A			
14:00 — 15:00	BREAK						
15:00 — 15:15	Plenary (M)	Maxim Kagan	Unconventional superconductivity in low density electron systems and conventional superconductivity in metallic hydrogen and hydrogen metallic alloys	A	Fedor Kazantsev	Superconductive undulators used for synchrotron radiation generation produced by Budker INP	Poster session, Section A
15:15 — 15:30				A	Nikolai Balashov	Development of a superconducting current switch based on the 2G HTSC for fault current limiter in high voltage grids	
15:30 — 15:45				A	Alena Levakhova	Pilot project of 35T HTSC magnet for physics and chemistry apps	
15:45 — 16:00	SM	Valery Orlov	Compounds with Giant Magnetoelectric Effect as a Possible New Class of Materials for Obtaining High-Temperature Superconductors	A	Dmitrii Yashkin	Eigenmodes of the radial current decay in no-insulation HTS coils	
16:00 — 16:15	A	Ludmila Uspenskaya	Diode effect in bilayer structures based on yttrium iron garnet - superconductor				
16:15 — 16:30	A	Jiwen Zhang	Intrinsic supercurrent diode effect in NbSe_2 nanobridge				
16:30 — 16:45	COFFEE BREAK						
16:45 — 17:00	COFFEE BREAK						
17:00 — 18:30	ROUND TABLE DISCUSSION						
18:30 — ??:??	POSTER SESSION 18:30 — 21:00						

Wednesday, October 1

HALL-1				HALL-2			HALL-3
Section	Speaker	Title	Section	Speaker	Title	Posters	
Unconventional							
10:00 — 10:15	Plenary (M)	Wei Ku	A universal low-temperature fluctuation of unconventional superconductors revealed				Poster session, Section M, RTS, SQ, SM
10:15 — 10:30							
10:30 — 10:45							
10:45 — 11:00	Plenary (M)	Maxim Korshunov	Impurity effect on an unconventional superconducting state in iron-based materials				
11:00 — 11:15							
11:15 — 11:30							
11:30 — 11:45	COFFEE BREAK						
11:45 — 12:00							
Vortex matter							
12:00 — 12:15	Plenary (SQ)	Pratap Raychaudhuri	Inverse melting of the vortex lattice in a superconducting thin film				Poster session, Section M, RTS, SQ, SM
12:15 — 12:30							
12:30 — 12:45							
12:45 — 13:00	SQ	Andrey Sadakov	Vortex matter and strong pinning in underdoped PrFeAs(O,F) with regularly distributed atomic-sized defects				
13:00 — 13:15	Invited (SM)	Xianggang Qiu	Visualization of skyrmion-superconducting vortex pairs in a chiral magnet-superconductor heterostructure				
13:15 — 13:30							
13:30 — 13:45	SM	Konstantin Pigalskiy	Magnetic pinning and record critical current enhancement in iron-doped YBaCuO	Invited (SQ)	Yuriy Makhlin	Josephson current and imperfections in a planar topological junction	
13:45 — 14:00	SQ	Konstantin Arutyunov	Interference of nonequilibrium quasiparticle excitations in a superconductor				
14:00 — 15:00	BREAK						
15:00 — 15:15	Invited (SM)	Eduard Deviatov	Superconducting proximity effect for topological semimetals.	SM	Ilnur Gimazov	Effect of fluctuations on the Microwave Response in FeSeS near the nematic QCP	Poster session, Section M, RTS, SQ, SM
15:15 — 15:30				SQ	Elmira Baeva	Flux-flow instability in superconducting single-crystal TiN films caused by heated electrons	
15:30 — 15:45	Invited (M)	Yi-Fan Jiang	Numerical evidence of pair density wave superconductivity in strongly correlated systems	SM	Evgenii Rakhmanov	Iron-based superconductors of the 245 family: phase composition and morphology	
15:45 — 16:00				SM	Anna Kolbatova	Signatures of surface magnetic disorder in single-crystal superconducting titanium nitride films	
16:00 — 16:15	Invited (SM)	Lun-Hui Hu	Superconducting proximity effects in nodal and nodeless altermagnets	SQ	Oleg Zuev	Superconducting photocurrents induced by structured electromagnetic radiation	
16:15 — 16:30				SQ	Elena Shpagina	Non-equilibrium superconductivity in nanowires InAs/Al	
16:30 — 17:00	COFFEE BREAK						
Pnictides							
17:00 — 17:15	Invited (SQ)	Igor Nekrasov	Peculiarities of the electronic structure of multilayer high-Tc pnictides				Poster session, Section M, RTS, SQ, SM
17:15 — 17:30							
17:30 — 17:45	Invited (SQ)	Tatiana Kuzmicheva	Observation of the Leggett collective plasma oscillation and the spin exciton in two-gap superconductors using SNS-Andreev spectroscopy				
17:45 — 18:00							
18:00 — 18:15	Invited (SQ)	Cedomir Petrovic	Disorder in FeSe _{1-x} S _x (0 ≤ x ≤ 1) superconducting crystals				
18:15 — 18:30							
18:30 — ????	POSTER SESSION 18:30 — 21:00						

Thursday, October 2

	HALL-1			HALL-2			HALL-3	
	Section	Speaker	Title	Section	Speaker	Title	Posters	
	Unconventional							
10:00 — 10:15	Invited (SQ)	Ding Zhang	Josephson Tunneling and Thermoelectric Transport in Exfoliated Cuprate Flakes					
10:15 — 10:30								
10:30 — 10:45	Invited (SQ)	Igor Burmistrov	Spatially-resolved dynamics of the amplitude Schmid-Higgs mode in disordered superconductors	Invited (A)	Vitaly Vysotsky	Status and trends of large-scale applications of superconductivity in 2025		
10:45 — 11:00								
11:00 — 11:15	Plenary (SQ)	Giovanni Ummarrino	Can the noble metals (Au, Ag, and Cu) be superconductors?	Invited (A)	Sergei Pokrovskii	Superconducting magnet system for small-scale spherical tokamak MEPHIST-1		
11:15 — 11:30								
11:30 — 11:45								
11:45 — 12:00	M	Alexander Moskvina	Superconductivity in Jahn-Teller magnets	Invited (A)	Yu Bao	Design and application of the Muon Source Project at CSNS		
12:00 — 12:15	COFFEE BREAK							
12:15 — 12:30								
12:30 — 12:45								
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13:00 — 13:15	EXCURSION							
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18:30 — 18:45	BANQUET 18:30 — 21:30							
18:45 — 19:00								
19:00 — 19:15								
19:15 — 19:30								
19:30 — 19:45								
19:45 — ??:??								

Friday, October 3

	HALL-1			HALL-2			HALL-3
	Section	Speaker	Title	Section	Speaker	Title	Posters
10:00 — 10:15	RTS	Alexander Kvashnin	Direct prediction of Eliashberg spectral function with Euclidean neural networks				Poster session, Student posters
10:15 — 10:30	SQ	Andrey Muratov	Optical conductivity of $(\text{Na}_{0.33}\text{K}_{0.33}\text{Rb}_{0.33})_{0.8}\text{Fe}_2\text{Se}_2$ single crystals				
10:30 — 10:45	M	Yurii Aleshchenko	Optical Studies of $\text{K}_{0.8}\text{Fe}_{1.7}(\text{Se}_{0.73}\text{S}_{0.27})_2$ Single Crystals				
10:45 — 11:00	Plenary (SQ)	Dmitry Efremov	Fermi Surface Topology and High-Order van Hove Singularities in $\text{Sr}_3\text{Ru}_2\text{O}_7$				
11:00 — 11:15							
11:15 — 11:30							
11:30 — 11:45	COFFEE BREAK						
11:45 — 12:00	COFFEE BREAK						
12:00 — 12:15	SQ	Anton Bespalov	Theory of subgap states in helical magnetic atom chains on the surface of a superconductor				Poster session, Student posters
12:15 — 12:30	SQ	Eduard Kuchinsky	Thermopower and Hall effect in correlated metals and doped Mott-Hubbard insulators: DMFT approximation				
12:30 — 12:45	Invited (SQ)	Igor Morozov	Effect of substitution on the structural and superconducting properties of $\text{Ba}(\text{Ag}_{1.8-x}\text{TM}_x)\text{Bi}_2$ (TM=Cu, Au)				
12:45 — 13:00							
13:00 — 13:15	Invited (SQ)	Anton Zlotnikov	Gapless and gapped vortex bound states in higher-order topological superconductors				
13:15 — 13:30							
13:30 — 13:45	Invited (SQ)	Igor Rusinov	Electronic states emerging at magnetic domain walls on the surface of semiconductors with band structure topology				
13:45 — 14:00							
14:00 — 14:15	BREAK						
14:15 — 14:30	BREAK						
14:30 — 14:45	BREAK						
14:45 — 15:00	BREAK						
15:00 — 15:15	Invited (SM)	Jianda Wu	Spin dynamics and dark particles in a weak-coupled quantum Ising ladder with D(1)8 spectrum	SQ	Ilya Makarov	Electronic structure of the CuO monolayer in the paramagnetic phase considering the Coulomb interactions	Poster session, Student posters
15:15 — 15:30				SQ	Maxim Vysotin	Theoretical analysis of interplay between WSe_2 moire bilayer geometry and its electronic structure	
15:30 — 15:45	Invited (SM)	Andrey Gippius	NMR spectroscopy of transition metal pnictide and gallide superconductors and related compounds	SQ	Pavel Grigoriev	Density of electronic states, resistivity and superconducting transition temperature in	
15:45 — 16:00							
16:00 — 16:15	COFFEE BREAK						
16:15 — 16:30	COFFEE BREAK						
16:30 — 16:45	Selected 5-min student talks						
16:45 — 17:00							
17:00 — 17:15							
17:15 — 17:30							
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18:00 — 18:15							
18:15 — 18:30							
18:30 — 18:45							
18:45 — 19:00							
19:00 — 19:15		Program committee	Best student presentation awards: FPS25				
19:15 — 19:30		Wise Man 1	Concluding remarks: Theory				
19:30 — 19:45		Wise Man 2	Concluding remarks: Experiment				
19:45 — 20:00	Closing						

Poster Sessions Monday & Tuesday, Hall-3

#	Section A	
1	Irina Deryagina	Structure and Electrical Conductivity of High-Strength Cu-Nb Microcomposite Depending on Deformation
2	Andrey Terentiev	High-Q superconducting terahertz Fabry-Pérot resonator
3	Anastasia Maksimova	Joint influence of different types of artificial defects on the critical current of HTS tape
4	Anastasia Maksimova	Effect of vortex pinning configuration on transient processes during a microsecond current pulse
5	Vladimir Kaderov	Design and analysis of fully superconducting electric machines for transportation systems
6	Sergey Pokrovskii	Influence of cooling conditions and the field cooling gap on bearings functional characteristics based on the HTS tapes
7	Dmitry Aleksandrov	Calculation of operating parameters of spherical tokamak's superconducting magnetic system
8	Mark Rikel	Strain Assessment in YBCO Layer of Industrial 2G HTS Wires
9	Yuri Kovalev	Internal Josephson effect in laboratory and space conditions
10	Evgeny Zhardetsky	Application of the 3D-MLSI program for designing superconducting interferometers.
11	Fedor Razorenov	Calculation and Experimental Measurement of Inductances in Superconducting Structures
12	Burkhan Massalimov	Study of Critical Current of Industrial 2G HTS-Wire with Different Stoichiometry of Y-Based Composition in
13	Ilya Pavlov	Microscopic Parameters of Superconducting MoRe Ultra-Thin Films for Single-Photon Detection
14	Kristina Dikhtievskaya	Prospects for the Development of Palladium-Based Superconductors: From Theory to Experiment
15	Irina Martirosyan	Comprehensive analysis of normal zone propagation in multi-tape superconducting cables for magnetic energy storage
16	Kirill Rudakov	550 GHz mixer prototype
17	Kira Khilay	Modifying thermal coupling in superconducting nanowire single-photon detector by tuning amorphous
18	Dmitry Abin	Influence of Ion Irradiation on Superconducting Properties of HTSC Tapes in a Helical Cable
19	Andrey Lomakin	Study of the dependence of electron-phonon scattering time on disorder in thin NbN films
20	Alexey Mashirov	A trapped field in a rings stack of high temperature superconducting tape
21	Yulian Baryshnikov	Magnetorheological polishing of HTSC substrates based on spherical particles obtained by the liquid anode method
22	Nikolay Kuzmichev	Simulation of the NbN film heating process by a current pulse
23	Valentin Guryev	The essence of the critical current angular dependencies asymmetry observed on coated conductors
24	Andrey Sedov	Superconducting magnets for synchrotron radiation source, developed at the BINP
25	Akhmad Shodiev	The effect of 5 MeV electron irradiation at 150 K on the structure and magnetic properties of YBCO based HTSC tape
26	Ekaterina Ivanova	A Novel Method for Measuring Lower Critical Field of Small-Sized Superconductors
27	Denis Karpukhin	Investigation of friction and lifting forces during cryostat movement
28	Svetlana Veselova	Influence of Filamentation on Magnetization Losses in Laser-Processed 2G HTS Tapes
29	Selbi Khydyrova	Fabrication and investigation of superconducting thin Nb-Al films with A15-structure
30	Oleg Kovalchuk	Helium-free magnetic system MRI 1.5T

Poster Sessions Wednesday & Thursday, Hall-3

#	Sections M, SM, SQ, RTS	
1	Razmik Babayan	Electron-phonon interaction with forward scattering in FeSe monolayers on SrTiO ₃
2	Dair Palchaev	Relation of anomalies of temperature dependences of resistance with thermal deformation of the YBCO lattice
3	Zhariyat Murlieva	Superconductivity of the materials undergoing anharmonicity sign inversion
4	Igor Shein	Multilayer multicomponent superconducting systems based on FeAs
5	Daniil Ivanov	The role of spin-orbit coupling in the formation of the Fermi surface in multiorbital models of iron pnictides
6	Egor Larionov	Superconducting state of iron pnictides in a ten-Orbital model with a realistic Fermi surface
7	Anastasia Ilna	SnS-andreev spectroscopy of superconducting polycrystalline pnictide with underdoped composition BaFe _{2-x} Ni _x As ₂ at x=0.07
8	Kirill Mitsen	Physical nature of the pseudogap phase and anomalous transfer of spectral weight in underdoped cuprates
9	Denis Gokhfeld	Pinning enhancement in YBCO by magnetic nanoparticles: No royal roads
10	Maksim Vasyakin	Usadel theory of dirty altermagnet-superconductor hybrid systems
11	Alena Levakhova	Magnetic and superconducting properties of EuRbFe ₄ As ₄
12	Ruslan Kinzibaev	High frequency dynamic response of Abrikosov vortices: time-dependent Ginzburg-Landau approach.
13	Alexey Medvedev	Characterization and synthesis of superconductors of CaAF _e As ₄ composition (A = K, Rb, Cs)
14	Maria Soldatenkova	Investigation of critical current in micron wide NbN single photon detectors
15	Ivan Moskal	Cuprate superconducting thin films for heterostructures with strong spin-orbit interaction interface
16	Lyudmila Uspenskaya	Control of magnetoresistance of Py/Nb heterostructure using hysteresis properties of magnetic domain structure
17	Dmitry Annenkov	Domain wall superconductivity in van der Waals structures with ferroelectric ordering
18	Elizaveta Tarkaeva	High-performance amorphous superconducting rhenium films by e-beam evaporation

19	Valeria levleva	Properties of graphene placed on an array of superconducting islands
20	Ekaterina Ivanova	Local magnetization and SNS-Andreev spectroscopy of layered iron-free pnictide superconductor
21	Maria Feshina	Synthesis and growth of single crystals of a new topologically nontrivial compound CaSn_2As_2
22	Alexey Gippius	Synthesis of stoichiometric superconductors $\text{KCa}_2\text{Fe}_4\text{As}_4\text{F}_2$ and $\text{RbCa}_2\text{Fe}_4\text{As}_4\text{F}_2$
23	Artem Denishchenko	Novel high-entropy superconductor $(\text{Na}_{0.2}\text{K}_{0.2}\text{Rb}_{0.2}\text{Sr}_{0.2}\text{Ba}_{0.2})\text{Fe}_2\text{As}_2$
24	Maria Krylova	R&D on superconducting NbTi coaxial cables for quantum computers
25	Ilya Nikitchenkov	Tunneling Spectroscopy of $\text{Na}(\text{Fe},\text{Co})\text{As}$ and $\text{Ba}(\text{Fe},\text{Ni})_2\text{As}_2$ Pnictides with Variable Electron Doping in the Normal State
26	Tatiana Kuzmicheva	Comparison of the Superconducting Properties of the Iron Selenides with Isovalent Substitution
27	Svetoslav Kuzmichev	Three-Gap Superconductivity in LiFeAs
28	Konstantin Arutyunov	Induced superconductivity in organic polymer
29	Yunjing Gao	Mesons in a quantum Ising ladder
30	Alena Levakhova	$\text{KCa}_2\text{Fe}_4\text{As}_4\text{F}_2$ single crystal: microstructure, vortex matter and Andreev spectroscopy
31	Anatoly Prishchepa	Vortex state in a topological superconductor RbZnBi

Poster Session Friday, Hall-3

#	Student posters, all sections	
1	Andrey Terentiev	High-Q superconducting terahertz Fabry-Pérot resonator
2	Vladimir Kaderov	Design and analysis of fully superconducting electric machines for transportation systems
3	Dmitry Aleksandrov	Calculation of operating parameters of spherical tokamak's superconducting magnetic system
4	Evgeny Zhardetsky	Application of the 3D-MLSI program for designing superconducting interferometers.
5	Fedor Razorenov	Calculation and Experimental Measurement of Inductances in Superconducting Structures
6	Burkhan Massalimov	Study of Critical Current of Industrial 2G HTS-Wire with Different Stoichiometry of Y-Based Composition in Strong Magnetic Fields
7	Ilya Pavlov	Microscopic Parameters of Superconducting MoRe Ultra-Thin Films for Single-Photon Detection
8	Kristina Dikhtievskaya	Prospects for the Development of Palladium-Based Superconductors: From Theory to Experiment
9	Andrey Sedov	Superconducting magnets for synchrotron radiation source, developed at the BINP
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11	Ekaterina Ivanova	A Novel Method for Measuring Lower Critical Field of Small-Sized Superconductors
12	Denis Karpukhin	Investigation of friction and lifting forces during cryostat movement
13	Svetlana Veselova	Influence of Filamentation on Magnetization Losses in Laser-Processed 2G HTS Tapes
14	Selbi Khydyrova	Fabrication and investigation of superconducting thin Nb-Al films with A15-structure
15	Razmik Babayan	Electron-phonon interaction with forward scattering in FeSe monolayers on SrTiO_3
16	Danil Ivanov	The role of spin-orbit coupling in the formation of the Fermi surface in multiorbital models of iron pnictides
17	Egor Larionov	Superconducting state of iron pnictides in a ten-Orbital model with a realistic Fermi surface
18	Anastasia Iliina	SnS-andreev spectroscopy of superconducting polycrystalline pnictide with underdoped composition $\text{BaFe}_{2-x}\text{Ni}_x\text{As}_2$ at $x=0.07$
19	Maksim Vasyakin	Usadel theory of dirty altermagnet-superconductor hybrid systems
20	Ruslan Kinzibaev	High frequency dynamic response of Abrikosov vortices: time-dependent Ginzburg-Landau approach.
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22	Maria Soldatenkova	Investigation of critical current in micron wide NbN single photon detectors
23	Ivan Moskal	Cuprate superconducting thin films for heterostructures with strong spin-orbit interaction interface
24	Dmitry Annenkov	Domain wall superconductivity in van der Waals structures with ferroelectric ordering
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26	Valeria levleva	Properties of graphene placed on an array of superconducting islands
27	Ekaterina Ivanova	Local magnetization and SNS-Andreev spectroscopy of layered iron-free pnictide superconductor BaPd_2As_2
28	Maria Feshina	Synthesis and growth of single crystals of a new topologically nontrivial compound CaSn_2As_2
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