PROPOSALS FOR THEMES AND PROJECTS IN THE TOPICAL PLAN FOR JINR RESEARCH AND INTERNATIONAL COOPERATION FOR 2026

The total number of themes in the Topical Plan for 2025 is 36 and 5 activities, including 7 projects and 1 subproject terminating in the year 2025.

Large JINR Research Infrastructure

No. pp	Laboratory	Code and name of the Infrastructure project (IP), projects and subprojects	Leader of the IP, project and subprojects	Recommendations of the PACs (January, june 2025) Proposal of the STC and the Directorate of a Laboratory for 2026	JINR Directorate's proposal
1.	VBLHEP	02-1-1065-2007/2026 NICA Complex Design and Construction of the Complex of Accelerators, Collider and Physics Experimental Facilities at Extracted and Colliding Ion Beams Aimed at Studying Dense Baryonic Matter and the Spin Structure of Nucleons and Light Ion and at Carrying out Applied and Innovation Projects	V. D. Kekelidze A. S. Sorin G. V. Trubnikov *Deputies:* A. V. Butenko V. M. Golovatyuk M. N. Kapishin	Continue work on the IP until the end of 2026.	Continue work on the IP until the end of 2026.
		Project 02-1-1065-1-2011/2027 Nuclotron-NICA	A. V. Butenko G. G. Khodzhibagiyan *Scientific leader:* I. N. Meshkov	Continue work on the project until the end of 2027. *Leaders:* A. V. Butenko E. M. Syresin *Scientific leader:* I. N. Meshkov	Continue work on the project until the end of 2027. *Leaders:* A. V. Butenko E. M. Syresin *Scientific leader:* I. N. Meshkov
		Project 02-1-1065-2-2012/2026 BM@N	M. N. Kapishin	Continue work on the project until the end of 2026.	Continue work on the project until the end of 2026.
		Project 02-1-1065-3-2011/2025 MPD	V. M. Golovatyuk V. D. Kekelidze *Deputy:* V. G. Riabov	Extend the project until the end of 2030. *(61th meeting of the PAC for PP).* *Leaders:* V. M. Golovatyuk V. D. Kekelidze V. G. Riabov	Extend the project until the end of 2030. *Leaders:* V. M. Golovatyuk V. D. Kekelidze V. G. Riabov
		Project 02-1-1065-4-2020/2029 SPD	A. V. Guskov *Deputy:* V. P. Ladygin	Continue work on the project until the end of 2029.	Continue work on the project until the end of 2029.
2.	DLNP	03-2-1148-2010/2028 Baikal-GVD Baikal Deep Underwater Gigaton Volume Neutrino Telescope	I. A. Belolaptikov *Deputy:* S. V. Rozov	Continue work on the IP until the end of 2028.	Continue work on the IP until the end of 2028.
		Project 03-2-1148-1-2010/2028 Baikal-GVD	I. A. Belolaptikov *Deputy:* S. V. Rozov	Continue work on the project until the end of 2028.	Continue work on the project until the end of 2028.
3.	MLIT	06-6-1118-2014/2030 MICC Multifunctional Information and Computing Complex	V. V. Korenkov S. V. Shmatov *Deputies:* A. G. Dolbilov D. V. Podgainy T. A. Strizh	Continue work on the IP until the end of 2030.	Continue work on the IP until the end of 2030.

		Project 06-6-1118-1-2014/2030 MICC Multifunctional Information and Computing Complex	V. V. Korenkov S. V. Shmatov *Deputies:* A. G. Dolbilov D. V. Podgainy T. A. Strizh	Continue work on the project until the end of 2030.	Continue work on the project until the end of 2030.
4.	FLNR	03-5-1129-2017/2028 DRIBs-III Development of the FLNR Accelerator Complex and Experimental Setups	I. V. Kalagin S. I. Sidorchuk *Deputy:* V. A. Semin *Scientific leader:* Yu. Ts. Oganessian	Continue work on the IP until the end of 2028.	Continue work on the IP until the end of 2028.
		Project 03-5-1129-1-2024/2028 Construction of the U-400R accelerator complex	I. V. Kalagin A. G. Popeko *Deputy:* V. A. Semin	Continue work on the project until the end of 2028. *Leaders:* I. V. Kalagin A. V. Karpov *Deputy:* V. A. Semin	Continue work on the project until the end of 2028. *Leaders:* I. V. Kalagin A. V. Karpov *Deputy:* V. A. Semin
		Project 03-5-1129-2-2024/2028 Development of the experimental setups to study the chemical and physical properties of superheavy elements	S. I. Sidorchuk *Deputy:* A. M. Rodin	Continue work on the project until the end of 2028.	Continue work on the project until the end of 2028.
5.	FLNP	04-4-1149-2024/2028 Pulsed Neutron Source and Complex of Spectrometers	E. V. Lychagin	Continue work on the IP until the end of 2028.	Continue work on the IP until the end of 2028.
		Project 04-4-1149-1-2011/2028 Development of the IBR-2 nuclear facility with a complex of cryogenic moderators	A. V. Vinogradov A. V. Dolgikh	Close the project ahead of schedule. *(61th meeting of the PAC for CMP).*	Close the project ahead of schedule.
		Subproject 04-4-1149-1-1-2014/2025 Construction of a complex of cryogenic moderators at the IBR-2 facility	A. A. Belyakov M. V. Bulavin	Close the subproject. *(61th meeting of the PAC for CMP).*	Close the subproject.
		Project 04-4-1149-2-2021/2028 Investigations of functional materials and nanosystems using neutron scattering	D. P. Kozlenko V. L. Aksenov A. M. Balagurov	Continue work on the project until the end of 2028.	Continue work on the project until the end of 2028.
		Subproject 04-4-1149-2-1-2024/2028 Study of structure and dynamics of functional materials and nanosystems at the IBR-2 spectrometer complex	D. P. Kozlenko *Deputies:* M. V. Avdeev G. D. Bokuchava	Continue work on the subproject until the end of 2028.	Continue work on the subproject until the end of 2028.
		Subproject 04-4-1149-2-2-2021/2028 Development of an inelastic neutron scattering spectrometer in inverse geometry BJN (Bajorek–Janik–Natkaniec) at the IBR-2 reactor	D. M. Chudoba	Continue work on the subproject until the end of 2028. *Leaders:* E. V. Roksha E, A. Goremychkin	Continue work on the subproject until the end of 2028. *Leaders:* E. V. Roksha E, A. Goremychkin

		Project 04-4-1149-3-2021/2028 Scientific and methodological research and developments for condensed matter investigations with IBR-2 neutron beams	V. I. Bodnarchuk V. I. Prikhodko	Continue work on the project until the end of 2028.	Continue work on the project until the end of 2028.
		Subproject 04-4-1149-3-1-2021/2028 Construction of a wide-aperture backscattering detector (BSD-A) for the HRFD diffractometer	V. M. Milkov	Continue work on the subproject until the end of 2028.	Continue work on the subproject until the end of 2028.
		Subproject 04-4-1149-3-2-2024/2028 Vector magnet for the work with polarized neutrons	A. N. Chernikov	Continue work on the subproject until the end of 2028.	Continue work on the subproject until the end of 2028.
		Subproject 04-4-1149-3-3-2024/2028 Design and development of infrastructure elements for spectrometers at the IBR-2 reactor	V. I. Bodnarchuk V. I. Prikhodko M. V. Bulavin	Continue work on the subproject until the end of 2028.	Continue work on the subproject until the end of 2028.
		Project 04-4-1149-4-2021/2028 New advanced neutron source at JINR	E. V. Lychagin V. N. Shvetsov M. V. Bulavin	Continue work on the project until the end of 2028.	Continue work on the project until the end of 2028.
		Subproject 04-4-1149-4-1-2024/2028 Research and development for the justification of the draft design of the new advanced neutron source at JINR NEPTUNE pulsed fast reactor	E. V. Lychagin V. N. Shvetsov M. V. Bulavin	Continue work on the subproject until the end of 2028.	Continue work on the subproject until the end of 2028.

Theoretical Physics (01)

No. pp	Laboratory	Code and name of the themes and projects	Leader of the themes and projects	Recommendations of the PACs (January, june 2025) Proposal of the STC and the Directorate of a Laboratory for 2026	JINR Directorate's proposal
6.	BLTP	01-3-1135-2019 Fundamental Interactions of Fields and Particles	D. I. Kazakov O. V. Teryaev	Continue work on the theme.	Continue work on the theme.
		Project 01-3-1135-1-2024/2028 Quantum field theory and physics beyond the standard model	D. I. Kazakov A. V. Bednyakov	Continue work on the project until the end of 2028.	Continue work on the project until the end of 2028.
		Project 01-3-1135-2-2024/2028 QCD and hadron structure	I. V. Anikin S. V. Mikhailov O. V. Teryaev	Continue work on the project until the end of 2028.	Continue work on the project until the end of 2028.
		Project 01-3-1135-3-2024/2028 Phenomenology of strong interactions and precision physics	V. I. Korobov M. A. Ivanov	Continue work on the project until the end of 2028.	Continue work on the project until the end of 2028.
		Project 01-3-1135-4-2024/2028 Theory of hadronic matter under extreme conditions	V. V. Braguta E. E. Kolomeytsev S. N. Nedelko	Continue work on the project until the end of 2028.	Continue work on the project until the end of 2028.

		Project Theory of electroweak interactions and neutrino physics	A. B. Arbuzov V A. Naumov	Continue work on the project until the end of 2028.	Continue work on the project until the end of 2028.
7.	BLTP	01-3-1136-2019 Theory of Nuclear Systems	N. V. Antonenko A. A. Dzhioev S. N. Ershov	Continue work on the theme.	Continue work on the theme.
		Project 01-3-1136-1-2024/2028 Microscopic models for exotic nuclei and nuclear astrophysics	A. A. Dzhioev	Continue work on the project until the end of 2028.	Continue work on the project until the end of 2028.
		Project 01-3-1136-2-2024/2028 Low-energy nuclear dynamics and properties of nuclear systems	S. N. Ershov G. G. Adamian	Continue work on the project until the end of 2028.	Continue work on the project until the end of 2028.
		Project 01-3-1136-3-2024/2028 Quantum few-body systems	A. K. Motovilov V. S. Melezhik	Continue work on the project until the end of 2028.	Continue work on the project until the end of 2028.
		Project 01-3-1136-4-2024/2028 Relativistic nuclear dynamics and nonlinear quantum processes	S. G. Bondarenko A. B. Larionov	Continue work on the project until the end of 2028.	Continue work on the project until the end of 2028.
8.	BLTP	01-3-1137-2019 Theory of Complex Systems and Advanced Materials	V. A. Osipov A. M. Povolotsky	Continue work on the theme.	Continue work on the theme.
		Project 01-3-1137-1-2024/2028 Complex materials	E. M. Anitsash	Continue work on the project until the end of 2028.	Continue work on the project until the end of 2028.
		Project 01-3-1137-2-2024/2028 Mathematical models of statistical physics of complex systems	A. M. Povolotsky	Continue work on the project until the end of 2028.	Continue work on the project until the end of 2028.
		Project 01-3-1137-3-2024/2028 Nanostructures and nanomaterials	V. A. Osipov V. I. Katkov	Continue work on the project until the end of 2028.	Continue work on the project until the end of 2028.
		Project 01-3-1137-4-2024/2028 Quantum field theory methods in complex systems	M. Hnatič	Continue work on the project until the end of 2028.	Continue work on the project until the end of 2028.
9.	BLTP	01-3-1138-2019 Modern Mathematical Physics: Integrability, Gravity and Supersymmetry	A. P. Isaev S. O. Krivonos	Continue work on the theme.	Continue work on the theme.
		Project 01-3-1138-1-2024/2028 Integrable systems and symmetries	A. P. Isaev S. O. Krivonos N. A. Tyurin	Continue work on the project until the end of 2028.	Continue work on the project until the end of 2028.
		Project 01-3-1138-2-2024/2028 Supersymmetry, higher spins, gravity	E. A. Ivanov S A. Fedoruk	Continue work on the project until the end of 2028.	Continue work on the project until the end of 2028.
		Project 01-3-1138-3-2024/2028 Quantum gravity, cosmology and strings	I. G. Pirozhenko D. V. Fursaev	Continue work on the project until the end of 2028.	Continue work on the project until the end of 2028.

Elementary Particle Physics and High-Energy Heavy-Ion Physics (02)

Participation in international experiments

No. pp	Laboratory	Code and name of the themes and projects	Leader of the themes and projects	Recommendations of the PACs (January, june 2025) Proposal of the STC and the Directorate of a Laboratory for 2026	JINR Directorate's proposal
10.	VBLHEP	02-1-1066-2007 Investigation of the Properties of Nuclear Matter and Particle Structure at the Collider of Relativistic Nuclei and Polarized Protons	R. Lednicki Yu. A. Panebrattsev	Continue work on the theme.	Continue work on the theme.
		Project 02-1-1066-1-2010/2026 STAR	Yu. A. Panebrattsev R. Lednicki	Continue work on the project until the end of 2026.	Continue work on the project until the end of 2026.
11.	DLNP VBLHEP	02-2-1081-2009 ATLAS Upgrade of the ATLAS Detector and Physics Research at the LHC	V. A. Bednyakov I. V. Yeletskikh	Continue work on the theme. *Leader:* V. A. Bednyakov *Deputies:* I. V. Yeletskikh A. P. Cheplakov	Continue work on the theme. *Leader:* V. A. Bednyakov *Deputies:* I. V. Yeletskikh A. P. Cheplakov
		Project 02-2-1081-1-2010/2025 ATLAS Physical research at the LHC	V. A. Bednyakov I. V. Yeletskikh	Extend the project with a new name «ATLAS. Detector upgrade and physics at LHC» until the end of 2030. *(62th meeting of the PAC for PP).* *Leader:* V. A. Bednyakov *Deputies:* I. V. Yeletskikh A. P. Cheplakov	Extend the project with a new name «ATLAS. Detector upgrade and physics at LHC» until the end of 2030. *Leader:* V. A. Bednyakov *Deputies:* I. V. Yeletskikh A. P. Cheplakov
		Project 02-1-1081-2-2013/2025 Upgrade of the ATLAS detector	A. P. Cheplakov A. Gongadze	Close the project. Continue work within the project ATLAS 02-1-1081-1-2010/2030. *(Laboratory Directorate)*	Close the project. Continue work within the project ATLAS 02-1-1081-1-2010/2030.
12.	VBLHEP	02-1-1083-2009 CMS Compact Muon Solenoid at LHC	V. Yu. Karjavin *Scientific leader:* V. A. Matveev	Continue work on the theme. *Leader:* V. Yu. Karjavin *Deputy:* V. A. Shmatov *Scientific leader:* V. A. Matveev	Continue work on the theme. Leader: V. Yu. Karjavin *Deputy:* V. A. Shmatov *Scientific leader:* V. A. Matveev
		Project 02-1-1083-1-2010/2025 CMS. Physical researches at the LHC	V. Yu. Karjavin	Extend the project until the end of 2030 with new name «Physical studies at the CMS experiment and the second phase of detector upgrade for operation in high luminosity conditions». *(62th meeting of the PAC for PP).*	Extend the project until the end of 2030 with new name «Physical studies at the CMS experiment and the second phase of detector upgrade for operation in high luminosity conditions».
		Project 02-1-1083-2-2010/2026 Upgrade of the CMS Detector	V. Yu. Karjavin	Close the project ahead of schedule. Continue work within the project CMS 02-1-1083-1-2010/2030. *(Laboratory Directorate)*	Close the project ahead of schedule. Continue work within the project CMS 02-1-1083-1-2010/2030.

No. pp	Laboratory	Code and name of the themes and projects	Leader of the themes and projects	Recommendations of the PACs (January, june 2025) Proposal of the STC and the Directorate of a Laboratory for 2026	JINR Directorate's proposal
13.	DLNP	02-2-1085-2009 Experimental Test of the Fundamental of QCD	A. V. Guskov *Deputy:* A. S. Zhemchugov	Continue work on the theme.	Continue work on the theme.
		Project 02-2-1085-1-2007/2028 BESIII	I. I. Denisenko *Deputy:* A. S. Zhemchugov	Continue work on the project until the end of 2028.	Continue work on the project until the end of 2028.
		Project 02-2-1085-2-2024/2026 Study of the fundamental properties of hadrons in the NA66 / AMBER experiment	A. V. Guskov	Continue work on the project until the end of 2026.	Continue work on the project until the end of 2026.
14.	VBLHEP	02-1-1087-2009 Research on Relativistic Heavyand Light Ion Physics. Experiments at the Accelerator Complex Nuclotron–M/NICA at JINR and CERN SPS	A. I. Malakhov S. V. Afanasyev	Continue work on the theme.	Continue work on the theme.
		Project 02-1-1087-1-2022/2026 NA61 / SHINE	A. I. Malakhov *Deputies:* A. V. Dmitriev A. A. Zajtsev	Extend the project until the end of 2026.	Extend the project until the end of 2026.
		Project 02-1-1087-2-2022/2027 SCAN-3	S. V. Afanasyev D. K. Dryablov	Extend the project until the end of 2027.	Extend the project until the end of 2027.
15.	VBLHEP	02-1-1088-2009 ALICE Study of Interactions of Heavy Ion and Proton Beams at the LHC	A. S. Vodopyanov	Continue work on the theme.	Continue work on the theme.
		Project 02-1-1088-1-2010/2025 ALICE	A. S. Vodopyanov	Extend the project until the end of 2030. *(62th meeting of the PAC for PP).* *Deputy:* B. V. Batyunya	Extend the project until the end of 2030. *Deputy:* B. V. Batyunya
16.	VBLHEP	02-1-1096-2010 Study of Rare Charged Kaon Decays and Search for Dark Sector in Experiments at the CERN SPS	V. D. Kekelidze *Deputies:* D. V. Peshekhonov D. T. Madigozhin	Continue work on the theme.	Continue work on the theme.
		Project 02-1-1096-1-2010/2027 NA62	V. D. Kekelidze *Deputy:* D. T. Madigozhin	Continue work on the project until the end of 2027.	Continue work on the project until the end of 2027.
		Project 02-1-1096-2-2017/2026 NA64	V. A. Matveev D. V. Peshekhonov	Continue work on the project until the end of 2026.	Continue work on the project until the end of 2026.
17.	DLNP	02-2-1151-2025 Development of Advanced Detectors and Analysis Methods, Hadronic and Rare Leptonic Processes	Yu. I. Davydov	Continue work on the theme.	Continue work on the theme.
		Project 02-2-1151-1-2025/2025 Development of a particle registration technique in future experiments with the participation of JINR	Yu. I. Davydov	Extend the project until the end of 2027 with a new name of the project: "Development of a physics program and detectors for experiments at CEPC" *(62th meeting of the PAC for PP).*	Extend the project until the end of 2027 with a new name of the project: "Development of a physics program and detectors for experiments at CEPC" *Leaders:* Yu. I. Davydov

				Leaders: Yu. I. Davydov A. S. Zhemchugov *Deputies:* Yu. A. Kulchitsky A. B. Arbuzov	A. S. Zhemchugov *Deputies:* Yu. A. Kulchitsky A. B. Arbuzov

Experiments at the NICA accelerator complex

No. pp	Laboratory	Code and name of the themes and projects	Leader of the themes and projects	Recommendations of the PACs (January, june 2025) Proposal of the STC and the Directorate of a Laboratory for 2026	JINR Directorate's proposal
18.	VBLHEP	02-1-1086-2009 Strangeness in Hadronic Matter and Study of Inelastic Reactions Near Kinematic Borders	E. A. Strokovsky E. S. Kokoulina D. O. Krivenkov	Continue work on the theme.	Continue work on the theme.
		Project 02-1-1086-1-2025/2029 HyperNIS–SRC HyperNuclear intrinsic strangeness and short-range correlations	D. O. Krivenkov Yu. Lukstins *Deputy:* M. A. Patsyuk	Continue work on the project until the end of 2029.	Continue work on the project until the end of 2029.
19.	VBLHEP	02-1-1097-2010 Study of Polarization Phenomena and Spin Effects at the JINR Nuclotron-M/NICA Facility	E. A. Strokovsky V. P. Ladygin *Deputies:* I. M. Piskunov R. A. Shindin	Continue work on the theme. *Leader:* V. P. Ladygin *Deputies:* I. M. Piskunov E. A. Strokovsky	Continue work on the theme. *Leader:* V. P. Ladygin *Deputies:* I. M. Piskunov E. A. Strokovsky
		Project 02-1-1097-1-2010/2027 ALPOM-2	N. M. Piskunov *Deputies:* E. Tomasi-Gustafsson V. Punjabi R. A. Shindin	Continue work on the project until the end of 2027.	Continue work on the project until the end of 2027.
		Project 02-1-1097-2-2010/2027 DSS	V. P. Ladygin	Continue work on the project until the end of 2027.	Continue work on the project until the end of 2027.
20.	VBLHE	02-1-1150-2025 Fundamental and Applied Physics Research with Relativistic Particle Beams	A. A. Baldin	Continue work on the theme.	Continue work on the theme.
		Project 02-1-1150-1-2025/2029 FLAP Fundamental and applied research with beams of relativistic accelerated electrons	A. A. Baldin Deputy: Vit. V. Bleko	Continue work on the project until the end of 2029.	Continue work on the project until the end of 2029.

Neutrino physics and astrophysics

No. pp	Laboratory	Code and name of the themes and projects	Leader of the themes and projects	Recommendations of the PACs (January, june 2025) Proposal of the STC and the Directorate of a Laboratory for 2026	JINR Directorate's proposal
21.	DLNP	02-2-1099-2010 Study of Neutrino Oscillations and Astrophysical Research	D. V. Naumov A. G. Olshevsky	Continue work on the theme.	Continue work on the theme.
		Project 02-2-1099-1-2009/2026 JUNO	D. V. Naumov *Deputies:* N. V. Anfimov M. O. Gonchar	Continue work on the project until the end of 2026.	Continue work on the project until the end of 2026.
		Project 02-2-1099-2-2015/2026 NOvA / DUNE	A. G. Olshevsky *Deputies:* N. V. Anfimov O. B. Samoilov	Close the project ahead of schedule. Carry out the work within the framework of a new project 02-2-1099-4-2015/2028	Close the project ahead of schedule. Carry out the work within the framework of a new project 02-2-1099-4-2015/2028

		New project 02-2-1099-4-2026/2028 Study of neutrino properties in accelerator experiments	L. D. Kolupaeva A. G. Olshevsky *Deputies:* Yu. A. Gornushkin O. B. Samoilov	Open a new project until the end of 2028. *(61th meeting of the PAC for PP).*	Open a new project until the end of 2028.
		Project 02-2-1099-3-2015/2026 TAIGA	A. N. Borodin	Continue work on the project until the end of 2026.	
22.	DLNP	02-2-1144-2021 Search for New Physics in the Lepton Sector	Z. Tsamalaidze	Continue work on the theme.	Continue work on the theme.
		Project 02-2-1144-1-2021/2029 COMET	Z. Tsamalaidze	Continue work on the project until the end of 2029.	Continue work on the project until the end of 2029.

Nuclear Physics (03)

No. pp	Laboratory	Code and name of the themes and projects	Leader of the themes and projects	Recommendations of the PACs (January, june 2025) Proposal of the STC and the Directorate of a Laboratory for 2026	JINR Directorate's proposal
23.	FLNP	03-4-1146-2024 Neutron Nuclear Physics	Yu. N. Kopach P. V. Sedyshev V. N. Shvetsov	Continue work on the theme.	Continue work on the theme.
		Project 03-4-1146-1-2014/2028 TANGRA Development and elaboration of the tagged neutron method for determining the elemental structure of matter and studying nuclear reactions	Yu. N. Kopach	Continue work on the project until the end of 2028.	Continue work on the project until the end of 2028.
		Project 03-4-1146-2-2022/2026 Modernization of the EG-5 accelerator and its experimental infrastructure	A. S. Doroshkevich	Continue work on the project until the end of 2026.	Continue work on the project until the end of 2026.
		Project 03-4-1146-3-2024/2028 Investigation of neutron nuclear interactions and properties of the neutron	V. N. Shvetsov P. V. Sedyshev	Continue work on the project until the end of 2028.	Continue work on the project until the end of 2028.
		New project 03-4-1146-4-2026/2027 Development of the concept of an ultracold neutron (UCN) source at the IBR-2 pulsed reactor	V. N. Shvetsov G. V. Kulin *Deputy:* A. I. Frank	Open a new project for the period 2026–2027 *(61th meeting of the PAC for NP).*	Open a new project for the period 2026–2027
24.	FLNR	03-5-1130-2017 Synthesis and Properties of Superheavy Elements, Structure of Nuclei at the Limits of Nucleon Stability	S. I. Sidorchuk *Deputy:* A. V. Karpov *Scientific leader:* Yu. Ts. Oganessian	Continue work on the theme.	Continue work on the theme.
		Project 03-5-1130-1-2024/2028 Investigation of heavy and superheavy elements	M. G. Itkis A. V. Karpov	Continue work to the project until the end of 2028.	Continue work to the project until the end of 2028.

		Project 03-5-1130-2-2024/2028 Light exotic nuclei at the borders of nucleon stability	G. Kaminski S. Sidorchuk *Deputies:* V. Chudoba A. S. Fomichev	Continue work on the project until the end of 2028. *Deputies:* A.A. Bezbach A. S. Fomichev	Continue work on the project until the end of 2028. *Deputies:* A.A. Bezbach A. S. Fomichev
25.	DLNP	03-2-1100-2010 Non-Accelerator Neutrino Physics and Astrophysics	E. A. Yakushev S. V. Rozov	Continue work on the theme.	Continue work on the theme.
		Project 03-2-1100-1-2024/2028 Radiochemistry and spectroscopy for astrophysics and nuclear medicine	D. V. Filosofov *Deputies:* A. Baimukhanova A. I. Velichkov Yu. B. Gurov A. Kh. Inyatov D. V. Karaivanov Zh. Kh. Khushvaktov	Continue work on the project until the end of 2028. *Deputies:* Yu. B. Gurov A. Kh. Inyatov D. V. Karaivanov	Continue work on the project until the end of 2028. *Deputies:* Yu. B. Gurov A. Kh. Inyatov D. V. Karaivanov
		Project 03-2-1100-2-2024/2028 Investigations of reactor neutrinos on a short baseline	I. V. Zhitnikov *Deputies:* A. V. Lubashevskiy S. V. Rozov M. Shirchenko	Continue work on the project until the end of 2028.	Continue work on the project until the end of 2028.
		Project 03-2-1100-3-2024/2028 Nuclear spectrometry for the search and investigation of rare phenomena	D. R. Zinatulina *Deputies:* K. N. Gusev D. V. Ponomarev S. V. Rozov	Continue work on the project until the end of 2028.	Continue work on the project until the end of 2028.

Condensed Matter Physics (04)

No. pp	Laboratory	Code and name of the themes and projects	Leader of the themes and projects	Recommendations of the PACs (January, june 2025) Proposal of the STC and the Directorate of a Laboratory for 2026	JINR Directorate's proposal
26.	FLNP	04-4-1147-2024 Optical Methods in Condensed Matter Studies	G. M. Arzumanyan N. Kucherka *Deputy:* K. Z. Mamatkulov	Continue work on the theme.	
		Project 04-4-1147-1-2024/2028 NANABIOPHATONICS	G. M. Arzumanyan K. Z. Mamatkulov	Continue work on the project until the end of 2028.	

Radiation Research in Life Sciences (05)

No. pp	Laboratory	Code and name of the themes and projects	Leader of the themes and projects	Recommendations of the PACs (January, june 2025) Proposal of the STC and the Directorate of a Laboratory for 2026	JINR Directorate's proposal
27.	LRB	05-7-1077-2009 Research on the Biological Effects of Ionizing Radiations with Different Physical Characteristics	A. N. Bugay	Continue work on the theme. *Leader:* A. N. Bugay	Continue work on the theme. *Leader:* A. N. Bugay
		Project 05-7-1077-1-2024/2028 Molecular, genetic and organismal effects of ionizing radiation with different physical characteristics	A. V. Boreyko P. N. Lobachevsky	Continue work on the project until the end of 2028.	Continue work on the project until the end of 2028.
		Project 05-7-1077-2-2024/2028 Radiation-biophysical and astrobiological research	A. V. Chizhov A. Yu. Rozanov	Continue work on the project until the end of 2028. *Leaders:* D. I. Padron A. Yu. Rozanov	Continue work on the project until the end of 2028. *Leaders*: D. I. Padron A. Yu. Rozanov

No. pp	Laboratory	Code and name of the themes and projects	Leader of the themes and projects	Recommendations of the PACs (January, june 2025) Proposal of the STC and the Directorate of a Laboratory for 2026	JINR Directorate's proposal
28.	DLNP	05-2-1132-2017 Study of Molecular Genetic Mechanisms of Adaptations of Extremophilic Organisms	E. V. Kravchenko	Continue work on the theme.	Continue work on the theme.
		Project 05-2-1132-1-2021/2028 TARDISS Protection against physical and chemical stresses with tardigrade proteins	E. V. Kravchenko	Continue work on the project until the end of 2028.	Continue work on the project until the end of 2028.

Information Technology (06)

No. pp	Laboratory	Code and name of the themes and projects	Leader of the themes and projects	Recommendations of the PACs (January, june 2025) Proposal of the STC and the Directorate of a Laboratory for 2026	JINR Directorate's proposal
29.	MLIT	06-6-1119-2014 Methods, Algorithms and Software for Modeling Physical Systems, Mathematical Processing and Analysis of Experimental Data	S. V. Shmatov O. Chuluunbaatar *Deputies:* N. N. Voytishin P. V. Zrelov	Continue work on the theme.	Continue work on the theme.
		Project 06-6-1119-1-2024/2026 Mathematical methods, algorithms and software for modeling physical processes and experimental facilities, processing and analyzing experimental data	S. V. Shmatov *Deputies:* A. S. Ayriyan N. N. Voytishin	Continue work on the project until the end of 2026.	Continue work on the project until the end of 2026.
		Project 06-6-1119-2-2024/2026 Methods of computational physics for studying complex systems	E. V. Zemlyanaya O. Chuluunbaatar *Deputies:* Yu. L. Kalinovsky A. Khvedelidze	Continue work on the project until the end of 2026.	Continue work on the project until the end of 2026.

Applied Innovation Activity (07)

No. pp	Laboratory	Code and name of the themes, projects and activities	Leader of the themes, projects and activities	Recommendations of the PACs (January, june 2025) Proposal of the STC and the Directorate of a Laboratory for 2026	JINR Directorate's proposal
30.	VBLHEP	07-1-1107-2011 Applied Research at NICA in Radiation Materials Science, Life Sciences and New Methods of Energy Production	O. V. Belov E. M. Syresin	Continue work on the theme.	Continue work on the theme.
		Project 07-1-1107-1-2011/2027 ADSR Accelerator driven subcritical reactor	S. I. Tyutyunnikov M. Paraipan	Continue work on the project until the end of 2027.	Continue work on the project until the end of 2027.
31.	FLNR	07-5-1131-2017 Radiation Materials Science, Nanotechnological and Biomedical Investigations with Heavy-Ion Beams	S. N. Dmitriev P. Yu. Apel *Deputy:* V. A. Skuratov	Continue work on the theme.	Continue work on the theme.
		Project 07-5-1131-1-2024/2028 Radiation resistance of materials to high-intensity beams of heavy ions	V. A. Skuratov *Deputy:* R. A. Rymzhanov	Continue work on the project until the end of 2028.	Continue work on the project until the end of 2028.

		Project 07-5-1131-2-2024/2028 Nanocomposite and functional track etched membranes	P. Yu. Apel *Deputy:* A. N. Nechaev	Continue work on the project until the end of 2028.	Continue work on the project until the end of 2028.
		Project 07-5-1131-3-2025/2029 High-sensitivity sensor based on molecular recognition for viruses detection	A. N. Nechaev E. G. Zavyalova	Continue work on the project until the end of 2029.	Continue work on the project until the end of 2029.
32.	VBLHEP	***Activity*** 07-1-A001-2025/2027 Creation of a line of high-voltage power supplies and voltage switches for experimental facilities	D. O. Ponkin		Continue work on the activities until the end of 2027.
33.	DLNP	***Activity*** 07-2-A002-2025/2028 Development of deep tissue oxygenation measurement systems using time-domain diffuse optics (TD-DO) technique	A. S. Selyunin		Continue work on the activities until the end of 2028.
34.	DLNP	***Activity*** 07-2-A003-2025/2028 Development of micro-SPECT systems for precision imaging in preclinical biological experiments	V. A. Rozhkov		Continue work on the activities until the end of 2028.
35.	FLNP	***Activity*** 07-4-A004-2025/2028 Testing of neurotoxicity and assessment of contrast agents, nanoparticles and other compounds accumulation in animal models in TaaS format	I. Zinicovscaia		Continue work on the activities until the end of 2028.
36.	FLNR	***Activity*** 07-5-A005-2025/2028 Multifunctional preparative tangential filtration system	I. V. Vinogradov		Continue work on the activities until the end of 2028.

Physics and Technology of Charged Particle Accelerators (08)

No. pp	Laboratory	Code and name of the themes and projects	Leader of the themes and projects	Recommendations of the PACs (January, june 2025) Proposal of the STC and the Directorate of a Laboratory for 2026	JINR Directorate's proposal
37.	DLNP	08-2-1126-2015 Development of Scientific DLNP Infrastructure for Research Using Semiconductor Detectors, Laser Metrology, Electrons, Positrons and Cryogenic Technology	V. V. Glagolev G. A. Shelkov *Deputy:* V. V. Tereshchenko	Continue work on the theme.	Continue work on the theme.
		Project 08-02-1126-1-2024/2028 Design and development of a test zone for methodological studies of detectors at a linear electron accelerator LINAC-200 in the DLNP	M. I. Gostkin *Deputy:* E. S. Abdelshakur	Continue work on the project until the end of 2028.	Continue work on the project until the end of 2028.

		Project 08-2-1126-2-2016/2028 Precision laser metrology for accelerators and detectors complexes	V. V. Glagolev M. V. Lyablin	Continue work on the project until the end of 2028.	Continue work on the project until the end of 2028.
		Project 08-2-1126-3-2016/2028 Development of experimental technique and applied research with slow monochromatic positron beams (PAS)	A. A. Sidorin *Scientific leader:* I. N. Meshkov	Continue work on the project until the end of 2028.	Continue work on the project until the end of 2028.
		Project 08-2-1126-4-2015/2028 Novel semiconductor detectors for fundamental and applied research	G. A. Shelkov *Deputy:* V. A. Rozhkov V. V. Tereschenko	Continue work on the project until the end of 2028.	Continue work on the project until the end of 2028.
		Project 08-2-1126-5-2011/2028 GDH & SPASCHARM	Yu. A. Usov	Continue work on the project until the end of 2028.	Continue work on the project until the end of 2028.
38.	DLNP	08-2-1127-2016 Advanced Studies of Systems of New-Generation Accelerators and Colliders for Fundamental and Applied Research	G. V. Trubnikov G. D. Shirkov B. N. Gikal	Continue work on the theme.	Continue work on the theme.
		Project 08-2-1127-1-2024/2025 Creation of test benches for testing individual systems of the MSC-230 cyclotron	G. A. Karamysheva S. L. Yakovenko	Extend the project until the end of 2027. *(61th meeting of the PAC for NP).*	Extend the project until the end of 2027.

Organization of Scientific Activities and International Cooperation. Strengthening Human Resources. Educational Program (09)

No. pp	Laboratory	Code and name of the themes and projects	Leader of the themes and projects	Recommendations of the PACs (January, june 2025) Proposal of the STC and the Directorate of a Laboratory for 2026	JINR Directorate's proposal
39.	DSOA	09-8-1037-2001 Analytical and Methodological Developments for the Organization of Scientific Research and International Cooperation in the Main Directions of JINR Development	V. A. Matveev S. N. Nedelko O. -A. Kulikov	Continue work on the theme.	Continue work on the theme.
40.	UC	09-9-1139-2019 Scientific and Educational Programmes for the Training of Highly Qualified Personnel	D. V. Kamanin A. Yu. Verkheev	Continue work on the theme. *Leaders:* G. V. Trubnikov D. V. Kamanin V. Badavi	Continue work on the theme. *Leaders:* G. V. Trubnikov D. V. Kamanin V. Badavi
		Project 09-9-1139-1-2021/2028 Open information and educational environment for supporting fundamental and applied multidisciplinary research at JINR	Yu. A. Panebrattsev	Continue work on the project until the end of 2028.	Continue work on the project until the end of 2028.
41.	BLTP	09-3-1117-2014 DIAS-TH Dubna International Advanced School of Theoretical Physics	I. G. Pirozhenko *Rector of DIAS-TH:* D. I. Kazakov	Continue work on the theme. *Leader:* I. G. Pirozhenko *Rector of DIAS-TH:*	Continue work on the theme. *Leader:* I. G. Pirozhenko *Rector of DIAS-TH:*

		Project 09-3-1117-1-2024/2028 DIAS-TH Dubna international advanced school of theoretical physics	I.G. Pirozhenko D. I. Kazakov	Continue work on the project until the end of 2028. *Leaders:* I. G. Pirozhenko E. A. Kolganova	Continue work on the project until the end of 2028. *Leaders:* I. G. Pirozhenko E. A. Kolganova

Chief Scientific Secretary S. N. Nedelko