

#	Project Title	PI		Affiliation (Leading, participating)	City/Current location
1	Magnetization dynamics in superconductor-ferromagnet multilayer thin film structures	Kordyuk	Alexander	Kyiv Academic University, MESU/Institute for Metal Physics, NASU	Kyiv
2	Influence of local-field effects on the optical response of magneto-plasmonic systems	Demydenko	Yurii	V.E. Lashkaryov Institute of Semiconductor Physics , NASU/Taras Shevchenko National University of Kyiv, MESU	Kyiv
3	Electromagnetic properties of a magnetic-«epsilon-near-zero» superlattice, with noncollinear orientation of magnetizations, controlled by an external magnetic field: nonreciprocity, total reflection or transmission, surface waves	Bukhanko	Artem	Donetsk Institute for Physics and Engineering named after A.A. Galkin, NASU	Donetsk/Kharkiv
4	Magnetic field effect on resonant properties of surface plasmon-polariton photodetectors	Redko	Roman	V. Lashkaryov Institute of Semiconductor Physics, NASU	Kyiv
5	Magnetic interactions and spin dynamics in heavily nitrogen-doped 6H SiC monocrystals	Savchenko	Dariya	National Technical University of Ukraine “Igor Sikorsky Kyiv Polytechnic Institute”/V.E. Lashkaryov Institute of Semiconductor Physics, NASU	Kyiv
6	Diffusion formation of MnPt-based L10-ordered antiferromagnetic thin films	Vladymyrskyi	Igor	National Technical University of Ukraine “Igor Sikorsky Kyiv Polytechnic Institute”, MESU	Kyiv
7	Combined influence of variable mechanical stress and magnetic field and on the elastic and magnetoelectric properties of magnetic shape memory alloys and MSMA-based materials	L'vov	Victor	Institute of Magnetism, NASU and MESU	Kyiv
8	The Aharonov-Kasher effect and an electric field control of magnetization dynamics in two-sublattice magnets	Krivoruchko	Vladimir	O.O. Galkin Donetsk Institute for Physics and Engineering, NASU	Donetsk/Kyiv
9	High-performance terahertz signal sources based on antiferromagnetic spintronic nanostructures	Prokopenko	Oleksandr	Taras Shevchenko National University of Kyiv	Kyiv
10	Development of Magnetic Coupling Readout Based on a Flux Qubit with RF SQUID for Nonlinear Quantum Magnonics	Shevchenko	Sergiy	B. Verkin Institute for Low Temperature Physics and Engineering, NASU	Kharkiv
11	Peculiarities of the magnetic properties of model nanomagnets based on the polymeric complexes of the transition metals.	Cheranovskii	Vladyslav	V. N. Karazin Kharkiv National University	Kharkiv
12	In- and Gd-doped YIG nanomaterials and core/shell structures: Synthesis, structure, and magnetic properties	Tovstolytkin	Alexandr	Institute of Magnetism, NASU and MESU/V.I. Vernadsky Institute of General and Inorganic Chemistry, NASU	Kyiv
13	Stochastic theory of the development of polarization domain structure in ferroelectrics	Stefanovich	Leonid	Branch for Physics of Mining Processes of the M.S. Poliakov Institute of Geotechnical Mechanics, NASU	Donetsk/Dnipro
14	Complexity and criticality of random magnets: fundamental aspects, new materials and interdisciplinary applications	Holovatch	Yurij	Institute for Condensed Matter Physics, NASU	Lviv
15	Long-range correlations and magnetism of spinor ultracold atomic gases	Sotnikov	Andrii	National Science Center “Kharkiv Institute of Physics and Technology”, NASU	Kharkiv

