

Winners of the «Competition for grants in the priority area of RSF activities “Basic scientific research and exploratory scientific research, conducted by international research teams” (in cooperation with DFG)»

RSF Project Number	German PI	German Institution	Russian PI	Russian Institution	Project Title
16-42-01100	Brink, Jeroen	Leibniz Institute for Solid State and Materials Research	Volovik, Grigory	P.N.Lebedev Physical Institute of the Russian Academy of Sciences	Impact of topology on electronic properties of ordered states
16-42-01009	Büscher, Markus	Heinrich-Heine-Universität Düsseldorf	Toporkov, Dmitriy	Budker Institute of Nuclear Physics of Siberian Branch Russian Academy of Sciences	Towards a Molecular Source for Polarized Deuterium Fuel in Nuclear Fusion Research and other applications
16-42-01098	Dyakonov, Vladimir	Julius-Maximilians-Universität Würzburg	Mokhov, Evgenii	Ioffe Institute	Polytype and isotope engineering of silicon carbide for quantum microwave amplifiers
16-42-01057	Eckstein, Martin Lichtenstein, Alexander	I Institute of Theoretical Physics, University of Hamburg	Rubtsov, Alexey	International Center for Quantum Optics & Quantum Technologies Limited liability company	Dynamics of strongly non-equilibrium correlated systems at all time scales: dual representation of functional integral
16-42-01078	Jelonnek, John	Karlsruhe Institute of Technology, Institute for Pulsed Power and Microwave Technology	Ginzburg, Naum	Institute of Applied Physics of the Russian Academy of Sciences	Generation of ultrashort pulses in millimeter and submillimeter bands for spectroscopy and diagnostic of various media based on passive mode-locking in electronic devices with nonlinear cyclotron absorber in the feedback loop
16-42-01050	Koblmüller, Gregor Ludwig, Stefan	Paul-Drude-Institut fuer Festkoerperelektronik Berlin	Khrapai, Vadim	Institute of Solid State Physics RAS	Nonequilibrium Phenomena and Interactions in Ultrapure III-V Nanowires

16-42-01093	Laubschat, Clemens	Technische Universität Dresden	Yashina, Lada	Federal State Budgetary Educational Institution of Higher Education Lomonosov Moscow State University	Doped-graphene for electrochemical energy storage and conversion: Impact of the electronic structure on electrocatalytic activity in oxygen redox reactions
16-42-01035	Mirlin, Alexander Sh nirman, Alexander	Karlsruher Institut für Technologie	Kachorovskii, Valentin	L.D. Landau Institute for Theoretical Physics of Russian Academy of Sciences	Quantum interferometry with interacting electronic systems
16-42-01060	Morgner, Uwe	Leibniz Universität Hannover	Savel'ev, Andrey	Federal State Budgetary Educational Institution of Higher Education Lomonosov Moscow State University	Controlled femtosecond super filaments
16-42-01067	Niensch, Kornelius	Leibniz Institute for Solid State and Materials Research	Burkov, Alexander	Ioffe Institute	Contribution of topological states to thermoelectric properties of topological insulators and Weyl semimetals
16-42-01103	Pätzold, Martin	Rhenish Institute for Environmental Research at the University of Cologne	Zelenyi, Lev	Space Research Institute of the RAS	Erosion of the Martian atmosphere by solar wind scavenging. Theory and Coordinated Mars Express and MAVEN observations.
16-41-01013	Reineke, Markus	University of Wuppertal	Feigin, Evgeny	National Research University Higher School of Economics	Geometry and representation theory at the interface of Lie algebras and quivers
16-42-01043	Schoell, Eckehard Y anchuk, Serhiy	Technische Universität Berlin	Afraimovich, Valentin	Institute of Applied Physics of the Russian Academy of Sciences	Complex dynamical networks: effects of heterogeneity, adaptivity, and delays

16-42-01034	Sokolov, Andrey	Helmholtz-Zentrum Berlin (HZB) BESSY II, Institute for Nanometre Optics and Technology (INT)	Chkhalo, Nikolai	Institute for Physics of Microstructures	Beryllium based multilayer optics for EUV spectral range
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