

**USER COLLABORATION GRANTS PROGRAM FUNDED PROPOSALS - 2004 THRU 2022**

FUNDING PERIOD	PROPS SUBMITTED	PROPS FUNDED	NAME	ORG	TITLE	PROJ NUMBER	PERIOD	YEAR-1	YEAR-2	TOTAL		
<b>2021 SKIPPED YEAR</b>												
0 3 8 6 5 3	2021-2022	13	5	Chad Weisbrod	FSU/CIMAR	Data Independent Acquisition-Mass Spectrometry Using Ultra-High	5210	1/1/2021	12/31/2022	\$ 95,100.00	\$ 99,995.00	\$ 195,095.00
Ali Bangura				FSU/DC	Towards millisecond time-constant heat capacity capability at the	5211	1/1/2021	12/31/2022	\$ 110,197.00	\$ 110,197.00	\$ 220,394.00	
Thomas Mareci				UF	Cryo-cooled MR Coils for Low-Gamma NMR Imaging and	R00002798	1/1/2021	12/31/2022	\$ 117,288.00	\$ 92,551.00	\$ 209,839.00	
Lucia Steinke				UF	Probing exotic quasiparticles in calorimetric and thermal transport	R00002799	1/1/2021	12/31/2022	\$ 100,877.00	\$ 90,973.00	\$ 191,850.00	
Xiao-Xiao Zhang				UF	Probing dark exciton dynamics in monolayer semiconductors under	R00002800	1/1/2021	12/31/2022	\$ 100,001.00	\$ 100,002.00	\$ 200,003.00	
								<b>\$ 523,463.00</b>	<b>\$ 493,718.00</b>	<b>\$ 1,017,181.00</b>		
0 3 8 6 5 3	2020-2022	13	5	Jan Jaroszynski	FSU/DC	Fast fatigue and transport current assessment in REBCO coated	5206	3/1/2020	2/28/2022	\$ 111,178.00	\$ 74,344.00	\$ 185,522.00
Frederic Mentink				FSU/CIMAR	Development of Faster Magic Angle Spinning - Dynamic Nuclear	5207	3/1/2020	2/28/2022	\$ 138,159.00	\$ 59,932.00	\$ 198,091.00	
Wan Kyu Park				FSU/CME	Electron Tunneling Spectroscopy under High Magnetic Fields	5208	3/1/2020	2/28/2022	\$ 103,654.00	\$ 92,955.00	\$ 196,609.00	
Amy McKenna				FSU/CIMAR	Organic-Metal Complex Speciation at 21 Tesla	5209	3/1/2020	2/28/2022	\$ 143,352.00	\$ 86,564.00	\$ 229,916.00	
Dominique Laroche				UF	Coulomb drag of spin-polarized Luttinger liquids at ultra-low	R02629	3/1/2020	2/28/2022	\$ 98,502.00	\$ 93,705.00	\$ 192,207.00	
								<b>\$ 594,845.00</b>	<b>\$ 407,500.00</b>	<b>\$ 1,002,345.00</b>		
0 3 8 6 5 3	2019-2021	18	5	Komalavalli Thirunavukkuara	FSU/DC	High-Pressure High-Field Optical Magneto-Spectroscopy	5205	3/1/2019	2/28/2021	\$ 161,543.00	\$ 52,636.00	\$ 214,179.00
Donald Smith				FSU/CIMAR	High Magnetic Field FT-ICR Mass Spectrometry Imaging	5204	3/1/2019	2/28/2021	\$ 136,170.00	\$ 53,819.00	\$ 189,989.00	
Yasu Takano				UF	Development of Faraday force magnetometers for absolute	8051/R02102	3/1/2019	2/28/2021	\$ 84,465.00	\$ 92,081.00	\$ 176,546.00	
Clifford Bowers				UF	Parahydrogen Enhanced MR Imaging and Spectroscopy at the	8052/R02103	3/1/2019	2/28/2021	\$ 126,663.00	\$ 61,569.00	\$ 188,232.00	
Fedor Balakirev				LANL	Pressure-Tuned Quantum Magneto-Transport in Topological	6051/R02104	3/1/2019	2/28/2021	\$ 95,000.00	\$ 95,000.00	\$ 190,000.00	
								<b>\$ 603,841.00</b>	<b>\$ 355,105.00</b>	<b>\$ 958,946.00</b>		
0 3 8 6 5 3	2018-2020	13	4	Lissa Anderson	FSU/CIMAR	Precision Proteoform Measurement Empowers the 21 T FT-ICR	5201	4/1/2018	3/31/2020	\$ 99,998.00	\$ 99,998.00	\$ 199,996.00
Jun Lu				FSU/MM&T	Superconducting transformer for superconducting cable research	5200	4/1/2018	3/31/2020	\$ 128,990.00	\$ 71,909.00	\$ 199,863.00	
Chao Huan				UF	NMR Studies of Novel Phases of 3He in Extreme Conditions:	5202/R02010	4/1/2018	3/31/2020	\$ 97,008.00	\$ 82,067.00	\$ 179,075.00	
Marcelo Jaime				LANL	Revealing hidden anisotropies in quantum matter via thermal	5203/R02009	4/1/2018	3/31/2020	\$ 100,000.00	\$ 100,000.00	\$ 200,000.00	
								<b>\$ 425,996.00</b>	<b>\$ 353,974.00</b>	<b>\$ 778,934.00</b>		
0 3 8 7 5 9	2015-2017	26	5	Johan van Tol	FSU/EMR	High Field Integrated EPR and NMR for DNP Applications	5094	1/1/2016	12/31/2017	\$ 198,942.00	\$ 43,240.00	\$ 242,182.00
Seungyong Hahn				FSU/ASC	Partial No-Insulation and Metallic Cladding Insulation Techniques fo	5095	1/1/2016	12/31/2017	\$ 119,477.00	\$ 120,523.00	\$ 240,000.00	
David Graf				FSU/DC	High Pressure Measurements of Magnetization by Field Modulation	5096	1/1/2016	12/31/2017	\$ 145,208.00	\$ 78,189.00	\$ 223,397.00	
Yan-Yan Hu				FSU	Innovative in situ and operando characterization capabilities for ener	5097	1/1/2016	12/31/2017	\$ 144,603.00	\$ 55,301.00	\$ 199,904.00	
Scott Crooker				LANL	Free-space ultrafast optics and time-domain terahertz spectroscopy i	R01762	1/1/2016	12/31/2017	\$ 220,143.00	\$ 20,360.00	\$ 240,503.00	
								<b>\$ 828,373.00</b>	<b>\$ 317,613.00</b>	<b>\$ 1,145,986.00</b>		
0 3 8 7 5 9	2014-2016	24	6	Theo Siegrist	FSU/CMS	Electrocrystallization Facility to Support Science in High Magnetic Fields	5089	11/1/2014	10/31/2016	\$ 118,215.00	\$ 93,534.00	\$ 211,749.00
Arneil Reyes				FSU/NMR	Nuclear Magnetic Resonance Probe for in situ variation of stress and strain	5090	11/1/2014	10/31/2016	\$ 128,413.00	\$ 64,821.00	\$ 193,234.00	
Zhenhong Gan				FSU/CIMAR	1H detected solid state NMR with ultrafast magic-angle spinning and high f	5091	11/1/2014	10/31/2016	\$ 108,614.00	\$ 105,486.00	\$ 214,100.00	
Ryan Baumbach				FSU/CMS	Materials driven investigation of emergent phenomena in uranium-based co	5092	11/1/2014	10/31/2016	\$ 115,211.00	\$ 96,734.00	\$ 211,945.00	
Sam Grant				FSU/CIMAR	In vivo ultrahigh field Magnetic Resonance Spectroscopy and Spectroscopic	5093	11/1/2014	10/31/2016	\$ 87,993.00	\$ 100,007.00	\$ 188,000.00	
Charles Mielke				LANL	Advanced measurement system for 150 tesla science	R01762	11/1/2014	10/31/2016	\$ 111,946.00	\$ 114,423.50	\$ 226,369.50	
								<b>\$ 670,392.00</b>	<b>\$ 575,005.50</b>	<b>\$ 1,245,397.50</b>		
0 3 8 7 5 9	2012-2014	14	4	Stephen Hill	FSU/EMR	Integration of a Microwave Resonator and Diamond-Anvil Pressure	5086	10/15/2013	10/14/2015	\$ 97,122.00	\$ 91,902.00	\$ 189,024.00
Dmitry Smirnov				FSU/DC	High-field Raman Spectroscopy of Advanced Electronic Systems	5087	10/15/2013	10/14/2015	\$ 114,401.00	\$ 102,143.00	\$ 216,544.00	
William Brey				FSU/CIMAR	High Temperature Superconductive NMR Probe for Metabolic Flux	5088	10/15/2013	10/14/2015	\$ 120,453.00	\$ 80,257.00	\$ 200,710.00	
James Hamlin				UF	In situ Pressure Variation at Low Temperatures	R01692	10/15/2013	10/14/2015	\$ 99,005.00	\$ 100,000.00	\$ 199,005.00	
								<b>\$ 430,981.00</b>	<b>\$ 374,302.00</b>	<b>\$ 805,283.00</b>		

0	2011-2013	19	7	Naresh Dalal	FSU/EMR	A Versatile Variable Temperature Probe for the Ultra Wide Bore 21.2	5084	3/1/2012	2/28/2014	\$ 108,784.00	\$ 90,284.00	\$ 199,068.00
3				Eun Sang Choi	FSU/DC	Development of Low Temperature DC Magnetometry	5085	3/1/2012	2/28/2014	\$ 102,047.00	\$ 57,047.00	\$ 159,094.00
0				Thomas Mareci	UF	Unique MR Probe for in vivo Studies of Rats and Mice in a 17.6 T, 89	R01528	3/1/2012	2/28/2014	\$ 109,700.00	\$ 86,233.00	\$ 195,933.00
7				Clifford Bowers	UF	Optical NMR Probes for High Field Optically Pumped NMR Spectro	R01527	3/1/2012	2/28/2014	\$ 99,785.00	\$ 99,633.00	\$ 199,418.00
5				Jason Cooley	LANL	Magnetic Field dependence of the latent heat, melting and freezing p	R01524	3/1/2012	2/28/2014	\$ 100,000.00	\$ 100,000.00	\$ 200,000.00
9				Marcelo Jaime	LANL	Optical Fiber Bragg Grating-based Manetostriktion in Pulsed Magnet	R01525	3/1/2012	2/28/2014	\$ 95,000.00	\$ 95,000.00	\$ 190,000.00
				Viven Zapf	LANL	Phase Transitions in Quenched Magnetic Fields: Emergence of Topol	R01526	3/1/2012	2/28/2014	\$ 98,000.00	\$ 98,000.00	\$ 196,000.00
										\$ 713,316.00	\$ 626,197.00	\$ 1,339,513.00
0	2010-2012	19	6	Jan Jaroszynski	FSU/DC	Construction of a Vector Vibrating Sample Magnetometer (VVSM) w	5079	07/01/11	06/30/13	\$ 89,137.00	\$ 83,075.00	\$ 172,212.00
2				Likai Song	FSU/EMR	Multi-frequency EPR Study of HIV gp41 at the Membrane Interface	5080	07/01/11	06/30/13	\$ 119,696.00	\$ 60,167.00	\$ 179,863.00
2				Peter Gor'kov	FSU/CIMAR	Efficient Low-G Solid State NMR Probes for Energy and Material Che	5081	07/01/11	06/30/13	\$ 45,363.00	\$ 88,013.00	\$ 133,376.00
7				Samuel Grant	FSU/CIMAR	MR Imaging in the Far Field: Holographic Interferometry & Spatial E	5082	07/01/11	06/30/11	\$ 90,507.00	\$ 89,493.00	\$ 180,000.00
4				Zhiqiang (Jason) Li	FSU/DC	Magneto-optical Spectroscopy of Novel Materials	5083	10/13/11	12/31/12	\$ 114,844.00	\$ 118,866.00	\$ 233,710.00
2				Yasu Takano	UF	Capacitive Force Magnetometers for Precise Low-Temperature Magn	R01450	07/01/11	06/30/13	\$ 100,964.00	\$ 77,883.00	\$ 178,847.00
										\$ 560,511.00	\$ 517,497.00	\$ 1,078,008.00
0	2009-2011	23	5	Stephen McGill	FSU/CMS	Raman Spectroscopy of Low-Dimensional Spin System	5076	03/17/10	03/16/12	\$ 122,014.00	\$ 103,108.00	\$ 225,122.00
2				Riqiang Fu	FSU/CIMAR	In Situ Electrochemical-NMR Spectroscopy of Lithium Rechargeable B	5075	03/17/10	03/16/12	\$ 92,659.00	\$ 95,205.00	\$ 187,864.00
2				Stephen Blackband	UF	MR Microscopy at the Cellular Level Using Microsurface RF Coils	R01272	02/01/10	01/31/12	\$ 97,158.00	\$ 86,902.00	\$ 184,060.00
7				Ke Han	FSU/MSMT	Twin Boundary & Interface Strengthened Conductors	5077	08/24/10	08/23/12	\$ 91,478.66	\$ 99,907.32	\$ 191,385.98
4				Eric Palm	FSU/DC	Thermal Expansion & magnetostriction at the NHMFL	5078	08/24/10	08/23/12	\$ 110,088.00	\$ 97,405.00	\$ 207,493.00
2										\$ 513,397.66	\$ 482,527.32	\$ 995,924.98
0	2008-2010	19	5	Luis Balicas	FSU/CMS	Synthesis and physical characterization of new superconducting tran	5072	04/01/09	03/31/11	\$ 96,356.04	\$ 63,272.96	\$ 159,629.00
2				Denis Markiewicz	FSU/MSMT	32 T Superconducting Magnet Development	5073	04/01/09	03/31/11	\$ 89,935.20	\$ 93,487.60	\$ 183,422.80
2				Anant Paravastu	FSU/CMS	NMR Investigations of Protein Aggregation Pathways	5074	04/01/09	03/31/11	\$ 86,907.72	\$ 103,059.96	\$ 189,967.68
7				Alex. Angerhofer	UF	High-Resolution Magnetic Field Measurement and Tracking for	R01097	04/01/09	03/31/11	\$ 118,689.00	\$ 70,761.00	\$ 189,450.00
4				Jonathan Betts	LANL	magnetic fields	R01098	04/01/09	03/31/11	\$ 95,000.00	\$ 95,000.00	\$ 190,000.00
2										\$ 486,887.96	\$ 425,581.52	\$ 912,469.48
0	2007-2009	23	5	Dimitry Smirnov	FSU/DC	Carbon Nanotube Based Devices in High Magnetic Fields	5068	05/01/08	04/30/10	\$ 113,340.32	\$ 67,435.84	\$ 180,776.16
2				Samuel Grant	FSU/CIMAR	An Integrated in vivo System for 21.1 T: Novel RF Technology for	5069	05/01/08	04/30/10	\$ 90,087.44	\$ 88,172.84	\$ 178,260.28
2				William Brey	FSU/CIMAR	Instrumentation and Techniques to Use 14N NMR to Probe the Struc	5070	05/01/08	04/30/10	\$ 96,667.84	\$ 83,253.84	\$ 179,921.68
7				Peter Fajer	FSU/EMR	From EPR to Molecular Structure: Simulations of the Nitroxide	5071	05/01/08	04/30/10	\$ 88,873.96	\$ 90,119.74	\$ 178,993.70
4				Neil Sullivan	UF	NMR Studies of Superfluidity in Solid 4He	R00933	05/01/08	04/30/10	\$ 85,012.00	\$ 81,472.00	\$ 166,484.00
2										\$ 473,981.56	\$ 410,454.26	\$ 884,435.82
0	2006-2008	33	9	Chris Wiebe	FSU/CMS	Exploring orbital physics in geometrically frustrated oxides at the NI	5067	04/30/07	03/31/09	\$ 104,742.94	\$ 107,990.88	\$ 212,733.82
2				Stephen McGill	FSU/CMS	Time-resolved studies of coupled dynamics in manganites	5066	02/15/07	02/14/09	\$ 135,972.47	\$ 103,767.10	\$ 239,739.57
2				Jurek Krzystek	FSU/DC	Probing Zero-Field Splittings of High-Electron Spin Systems with Fre	5062	02/26/07	02/25/09	\$ 171,109.00	\$ 14,194.00	\$ 185,303.00
2				Alex Gurvich	FSU/ASC	Establishing the limits of high-field superconductivity in two-gap ma	5063	01/11/07	01/10/09	\$ 87,423.00	\$ 88,496.61	\$ 175,919.61
2				Andrew Ozarowski	FSU/EMR	High-Field EPR and Mössbauer Studies On the Spin Crossover And	5064	02/26/07	01/25/09	\$ 108,855.00	\$ 14,345.00	\$ 123,200.00
4				Denis Markiewicz	FSU/MSMT	General Invariant Strain Analysis: experimental verification and anal	5065	02/28/07	02/27/09	\$ 90,541.81	\$ 89,473.73	\$ 180,015.54
2				John Eyler	UF	Infrared Spectra of Gaseous Ions: Extending Spectroscopic Capabiliti	R00738	01/01/07	12/31/08	\$ 160,760.00	\$ 29,883.00	\$ 190,643.00
				Vivien Zapf	LANL	Construction of a magnetic force magnetometer to study boson locali	R00739	01/01/07	12/31/08	\$ 93,100.00	\$ 93,100.00	\$ 186,200.00
				Boris Mairov	LANL	Vortex matter in YBa2Cu3O7 films with strong competing types of	R00740	01/01/07	12/31/08	\$ 93,100.00	\$ 93,100.00	\$ 186,200.00
										\$ 1,045,604.22	\$ 634,350.32	\$ 1,679,954.54
0	2005-2007	25	6	Irinel Chiorescu	FSU/CMS	Time-resolved, high field studies of spin relaxation processes in mole	5059	02/01/06	01/31/08	\$ 98,496.15	\$ 75,585.14	\$ 174,081.29
1				Eric Palm	FSU/DC	Development of a SQUID magnetometer for use at low temperatures	5058	01/01/06	12/31/07	\$ 134,012.50	\$ 94,213.43	\$ 228,225.93
8				Steven Van Sciver	FSU/MSMT	High-Resolution Separation of Micro- and Nano-Particles by Density	5057	01/01/06	12/31/07	\$ 94,540.37	\$ 73,410.92	\$ 167,951.29
8				Timothy Logan	FSU	Glycoprotein and Glycoconjugate NMR at 900 MHz	5056	01/01/06	12/31/07	\$ 167,437.33	\$ 80,473.94	\$ 247,911.27
0				Ho Bun Chan	UF	Micromechanical devices for magnetometry in pulsed and continuou	R00602	01/01/06	12/31/07	\$ 93,432.00	\$ 85,782.00	\$ 179,214.00
6				Gail Fanucci	UF	Double Electron-Electron Resonance (DEER) Spectroscopy of Biologi	R00597	01/01/06	12/31/07	\$ 95,971.00	\$ 74,808.00	\$ 170,779.00
										\$ 683,889.35	\$ 484,273.43	\$ 1,168,162.78

0 1 8 0 6	2004-2006	22	9	Yong-Jie Wang	FSU/DC	Study of Submillimeter Wave and Infrared Radiation - Induced Resis	5055	01/01/05	12/31/06	\$ 98,806.35	\$ 103,718.88	\$ 202,525.23
				Dimitry Smirnov	FSU/DC	Magneto spectroscopy of and with IR and THz quantum cascade	5053	01/01/05	12/31/06	\$ 93,640.34	\$ 109,405.67	\$ 203,046.01
				Yan Xin	FSU/MSMT	High Strength-High Modulus Reinforcement Materials for Magnets	5054	01/01/05	12/31/06	\$ 99,007.86	\$ 107,007.68	\$ 206,015.54
				David Reitze	UF	Ultrafast Coherent Control in High Magnetic Fields	R00364	01/01/05	12/31/06	\$ 82,500.00	\$ 140,941.00	\$ 223,441.00
				Randolph Duran	UF	High Magnetic Gradient Studies of Multi-Component Core-Shell	R00365	01/01/05	12/31/06	\$ 88,000.00	\$ 88,000.00	\$ 176,000.00
				Alex Angerhofer	UF	New EPR Techniques Applied to Oxalate Decarboxylase and Model	R00366	01/01/05	12/31/06	\$ 82,500.00	\$ 82,500.00	\$ 165,000.00
				Joanna Long	UF	Development of pulsed high-field/high-frquency EPR spectrometer	R00281	01/01/05	12/31/06	\$ 40,924.00	\$ 33,627.00	\$ 74,551.00
				Stephen Hill	UF	Development of techniques for solid state NMR structural Measurem	R00253	01/01/05	12/31/06	\$ 87,605.00	\$ 92,395.00	\$ 180,000.00
				Marcelo Jamie	LANL	Detection of a Coherent Spin Fluid in Quantum Magnets	R00349	01/01/05	12/31/06	\$ 92,000.00	\$ 90,000.00	\$ 182,000.00
										\$ 764,983.55	\$ 847,595.23	\$ 1,612,578.78
										\$ 9,320,462.30	\$ 7,305,693.58	\$ 16,625,119.88