# APPENDIX 5 - USER PROPØSALS

#### 1. AMRIS FACILITY

		Participants		Funding Sources	Proposal	Proposal Title	Discipline	Exp.	Days
Joanna Long	PI	(Name, Role, Org., Dept.) University of Florida	Biochemistry & Molecular	(Funding Agency, Division, Award #) University of Florida US College and University	# P17621	The Effect of Glassing Matrix	Biology,	# 1	Used 18.33
(S)		•	Biology	matching support	P1/621	Deuteration on 13C and 1H DNP at 5T	Biochemistry,		18.33
James H.P. Collins (P)	С	University of Florida	Biochemistry & Molecular Biology				Biophysics		
Chongyang Huang (P)	С	university of Florida	Biochem/Molecular Biology						
Juan Beltran- Huarac (S)	PI	East Carolina University (ECU)	Physics	NASA	P17820	Enhanced MRI Relaxivity in Surface- Complexed Morphology-Tunable Iron	Biology, Biochemistry,	1	3
John Cooper (G)	С	East Carolina University	Physics			Oxide Based Building Blocks: Towards High Performance Targeted	Biophysics		
Gerardo Morell (S)	С	University of Puerto Rico, Rio Piedras	Dept. of Physics			Cancer Imaging			
John Jones (S)	PI	Center for Neurosciences and Cell Biology	Metabolic Control Lab	No other support	P17827	High-sensitivity 13C NMR isotopomer analysis of triglyceride fatty acid	Biology, Biochemistry,	1	12.5
Ram Khattri (P)	С	University of Florida	Biochemistry and			enrichment from [U-13C]fructose	Biophysics		
Rohit Mahar	С	University of Florida	molecular biology/medicine Biochemistry and			\			
(P) Marc McLeod	С	University of Florida	molecular biology Biochemistry and			\			
(G) Matthew	С	College of Medicine University of Florida	Molecular Biology Biochemistry and			\			
Merritt (S) Mukundan	С	University of Florida	Molecular Biology Department of			\			
Ragavan (P)			Biochemistry and Molecular Biology						
Peder Larson	PI	University of California -	Radiology and Biomedical	No other support	P17846	ML-LARSON-001: Hyperpolarized 13C	Biology,	1	41.83
(S) Matthew	С	San Francisco University of Florida	Imaging Biochemistry and			Metabolism Studies for Preclinical Detection of Hypertrophic	Biochemistry, Biophysics	/	
Merritt (S)			Molecular Biology			Cardiomyopathy			
Mukundan Ragavan (P)	С	University of Florida	Department of Biochemistry and Molecular Biology						
Daniel R. Talham (S)	PI	University of Florida	Chemistry	No other support	P17951	Polymer coated lanthanide nanoparticles as PARACEST MRI	Chemistry	1	52
Pratik Roy (G)	С	University of Florida	Chemistry			contrast agents			
Luis Colon-	PI	University of California,	Neurobiology and Behavior	No other support	P18050	Characterization of brain structure at	Biology,	1	2
Perez (S)		Irvine				multiple scales in a rodent model early life stress	Biochemistry, Biophysics		
Pascal Bernatchez (S)	PI	University of British Columbia	Anesthesiology, Pharmacology, &	No other support	P18061	Imaging tissue heterogeneity in a new model of chronic muscle	Biology, Biochemistry,	1	10
Elisabeth	С	University of Florida	Therapeutics Applied Physiology and			damage with fibrofatty infiltration and wasting.	Biophysics		
Barton (S) Abhinandan	c	University of Florida	Kinesiology Physical therapy						
Batra (G) Ram Khattri (P)	C	University of Florida	Biochemistry and						
	•		molecular biology/medicine						
Glenn Walter (S)	С	University of Florida	Physiology and Functional Genomics						
Huadong Zeng (S)	С	University of Florida	AMRIS Affiliated Faculty & Staff						
Kunjan Dave (S)	PI	University of Miami	Neurology	No other support	P18093	Accelerated brain aging in diabetes: The impact of recurrent	Biology, Biochemistry,	1	5.5
Eduardo Candelario-	С	University of Floride	Neuroscience			hypoglycemia.	Biophysics		
Jalil (S) Marcelo Febo (S)	4	University of Florida	Psychiatry						
Marjory Pompilus (G)	c <b>\</b>	University of Florida	Psychiatry						

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		Participants (Name, Role, Org., Dept.)		(I	Funding Sources Funding Agency, Division, Award #)		Proposal #	Proposal Title	Discipline	Exp. #	Days Used
Benjamin Wylie (S)	PI	Texas Tech University Department of Chemistry and Biochemistry	Chemistry and Biochemistry	No other support		DMR1644779	P19164	Determining the dynamic structure of lipid-membrane protein complexes via solid-state NMR	Biology, Biochemistry, Biophysics	1	16
Anil Mehta (0)	С	University of Florida	AMRIS								
Adam Veige (S) Clifford Bowers (S)	PI C	University of Florida University of Florida	Chemistry Chemistry	NSF	CHE - Chemistry	CHE1808234	P19170	Quantification of End Groups in Cyclic vs. Linear Polyacetylenes by Carbon-13 Magic Angle Spinning	Biology, Biochemistry, Biophysics	1	27.83
Alec Esper (G)	С	University of Florida	Chemistry					Nuclear Magnetic Resonance	(		
Zhihui Miao (G)	С	University of Florida	Department of Chemistry					Spectroscopy			
Brent Sumerlin (S)	С	University of Florida	Chemistry	N. al			Dioton	A CORPORATION AND A CORPORATIO	8: 1		
Johnny Figueroa (S)	PI	Loma Linda University	Center for Health Disparities and Molecular Medicine	No other support			P19197	MICROSTRUCTURAL CORRELATES OF ADOLESCENT ADVERSITY	Biology, Biochemistry, Biophysics	1	4
Marcelo Febo (S)	С	University of Florida	Psychiatry								
Marjory Pompilus (G)	C PI *	University of Florida	Psychiatry	No other consent			P19414	13C NMR measurements of liver	Dialam	1	8
Stanislaw Deja (S) Matthew	C	University of Texas, Southwestern University of Florida	Center for Human Nutrition  Biochemistry and	No other support			P17414	samples for development of unified model of hepatic metabolism	Biology, Biochemistry, Biophysics	'	8
Merritt (S) Mukundan	С	University of Florida	Molecular Biology Department of					inodet of nepatic inclusionsin	Biophysics		
Ragavan (P)	Ū	Cimeron, or recinal	Biochemistry and Molecular Biology					\			
Matthew Eddy (S)	PI	University of Florida	Chemistry	No other support			P19419	ML-EDDY-002: Small molecule fragment screening with GPCRs in	Biology, Biochemistry,	1	22.5
James H.P. Collins (P)	С	University of Florida	Biochemistry & Molecular Biology					natural membranes by HRMAS NMR	Biophysics		
Guillaume Ferre (P)	С	University of Florida	Chemistry								
Niloofar Gopal Pour (G)	С	University of Florida	Chemistry								
Hala Hachem (G)	С	University of Florida	Chemistry							/	
Emma Mulry (G)	С	University of Florida	Chemistry							'	
Arka Prabha Ray (G)	C	University of Florida	Chemistry								
Mario Rivera (S)	PI	Louisiana State University	Chemistry	NSF NIH	MCB - Molecular and Cellular Biosciences	MCB1837877	P19426	Probing the impact of iron limitation on the metabolome of P. aeruginosa	Biology, Biochemistry, Biophysics	1	8.5
Leo Fontenot (G)	С	Louisiana State University	Chemistry	NIH	NIAID - National Institute of Allergy and Infectious Diseases	Al125529			Біорпузісь		
Anil Mehta (0)	С	University of Florida	AMRIS		5.000000						
Thomas Weldeghiorghis	С	Louisiana State University	Chemistry								
(S) Carsten	PI	Georgia Institute of	School of Chemical &	No other support			P19432	Diffusion of a model sugar through	Engineering	1	29.83
Sievers (S)	_	Technology	Biomolecular Engineering					Lewis acidic metal oxides in various			
James H.P. Collins (P)	С	University of Florida	Biochemistry & Molecular Biology					solvents			
Andrew Medford (S)	С	Georgia Institute of Technology	Chemical Engineering								
Sean Najmi (G)	С	Georgia Institute of Technology	Chemical Engineering								
Ryan Lively (S)	PI	Georgia Institute of Technology	School of Chemical & Biomolecular Engineering,	NSF	CBET - Chemical, Bioengineering, Environmental, and Transport Systems	CBET1836735	P19434	Quantification of liquid diffusion in MOF-based hybrid membranes by high field diffusion NMR	Engineering	1	84.42
Amineh Baniani (G)	С	University of Florida	Chemical Engineering	NSF	CBET - Chemical, Bioengineering, Environmental, and Transport Systems	CBET1836738					
Sergey Vasenkov (S)	7	University of Florida	Chemical Engineering								
Jeffrey Rudolf (S)	PI	University of Florida	Chemistry	No other support			P19437	Bacterial terpenoids and their biosynthesis		1	3.67

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		Participants (Name, Role, Org., Dept.)		(Fun	Funding Sources  Inding Agency, Division, Award #)		Proposal #	Proposal Title	Discipline	Exp.	Days Used
Baofu Xu (P)	С	University of Florida	chemistry	<b>,</b>					Biology, Biochemistry,		
									Biophysics		
Jonathan Nickels (S)	PI *	University of Cincinnati	Department of Chemical and Environmental Engineering	NSF	CBET - Chemical, Bioengineering, Environmental, and Transport Systems	CBET1836551	P19438	Relationship between structural properties and self-diffusion of molecular mixtures in Nafion by high field diffusion NMR	Engineering	1	62.5
Anastasios Angelopoulos (S)	С	University of Cincinnati	Department of Chemical and Environmental Engineering	NSF	CBET - Chemical, Bioengineering, Environmental, and Transport Systems	CBET1836556					
Blake Trusty (G)	С	University of Florida	Chemical Engineering		Transport Systems						
Sergey Vasenkov (S)	С	University of Florida	Chemical Engineering								
Jonathan Judy (S)	PI	University of Florida	Soil and Water Sciences	No other support			P19466	Evaluating the Nature of Phosphorus Entering, Within and Leaving	Chemistry	1	22.5
A. Caroline Buchanan (G)	С	University of Florida	Ag - Soil and Water Science					Everglades Stormwater Treatment Areas (STAs)			
Michael Harris (S)	PI	University of Florida	Chemistry	No other support			P19469	ML-HARRIS-001: Analysis of RNA induced protein folding during	Biology, Biochemistry,	1	46.5
Matthew Eddy (S)	C	University of Florida	Chemistry					ribonucleoprotein assembly	Biophysics		
Lorena Bianchine Areal (P)	PI *	Florida Atlantic University	Biomedical Science	No other support			P19487	Investigation of serotonergic functional connectivity in a mouse model expressing the ADHD and	Biology, Biochemistry, Biophysics	1	5.5
Randy Blakely (S)	С	Florida Atlantic University	Biomedical Science and Brain Institute					Autism-Associated DAT Val559 Mutation.			
Marcelo Febo (S)	C	University of Florida	Psychiatry .								
Malisa Sarntinoranont (S)	PI	University of Florida	unknown	No other support			P19525	Changes in Root Flow with Huanglongbing (Citrus Greening)	Engineering	1	27.83
Fernando Alferez (S)	С	University of Florida	Horticultural Sciences Department								
Jaime Cuber (S)	С	Instituto Nacional de Investigación y Tecnología Agraria y Alimentaria	Department of Plant Protection							/	
Rui Leite (S)	С	Instituto Agronômico do Paraná	Department of Plant Protection								
Thomas Mareci (S)	С	University of Florida	Biochemistry and Molecular Biology								
Julian Rey (G) Joanna Long	C PI	University of Florida University of Florida	Mechanical Engineering Biochemistry & Molecular	No other support			P19543	MAINTENANCE: Routine maintenance	Magnets, Materials	1	314
(S) James H.P.	C	University of Florida	Biology Biochemistry & Molecular	No other support			F17343	of existing equipment (formerly P09510 and P17541)	Magnets, Materials	'	314
Collins (P) Thomas Mareci	С	University of Florida	Biology Biochemistry and					1 07010 dild 1 17041)			
(S) Anil Mehta (0)	С	University of Florida	Molecular Biology AMRIS								
James Rocca (S)	Ċ	University of Florida	AMRIS Affiliated Faculty & Staff								
Jens	С	National High Magnetic	AMRIS								
Rosenberg (S) Huadong Zeng (S)	С	Field Laboratory University of Florida	AMRIS Affiliated Faculty & Staff								
Joanna Long (S)	PI	University of Florida	Biochemistry & Molecular	No other support			P19551	New equipment/upgrades/troubleshooting	Magnets, Materials	1	48.67
Malathy Elumalai (T)	С	University of Florida	Biology AMRIS, McKnight Brain Institute					on horizontals (formerly P09509 and P17540			
Kelly Jenkins (T)	С	University of Florida	AMRIS Affiliated Faculty & Staff								
Joshua Slade (T)	С	University of Florida	AMRIS								
Huadong Zeng (S)	1	University of Florida	AMRIS Affiliated Faculty & Staff								
Joanna Long (S)	PI	University of Florida	Biochemistry & Molecular Biology	No other support			P19552	New equipment/upgrades/troubleshooting	Magnets, Materials	1	226.92

			Participants		Funding Sources	Duanasal			Free	Davis
			(Name, Role, Org., Dept.)		(Funding Sources	Proposal #	Proposal Title	Discipline	Exp.	Days Used
James H.P.	С		University of Florida	Biochemistry & Molecular	(reneing Agency) Philosoft American		on verticals (formerly P09507 and		-	0000
Collins (P)			<b>,</b>	Biology			P17539)			
Malathy	С		University of Florida	AMRIS, McKnight Brain						
Elumalai (T)				Institute						
Anil Mehta (0)	С		University of Florida	AMRIS			/			
James Rocca	С		University of Florida	AMRIS Affiliated Faculty &			/			
(S)				Staff			/	/		
Joshua Slade	С		University of Florida	AMRIS						
(T)	DI		Habitan Brook of Classics	Disabassistas O.M. Landas	No other consent	DIOFF!	N	Manager Materials		115.83
Joanna Long	PI		University of Florida	Biochemistry & Molecular	No other support	P19554	New user training (formerly P09511 and P17542)	Magnets, Materials	1	115.83
(S) James H.P.	С		University of Florida	Biology Biochemistry & Molecular			and P1/542)			
Collins (P)	C		Offiver Sity of Ptoriua	Biology						
Malathy	С		University of Florida	AMRIS, McKnight Brain			1			
Elumalai (T)	Ü		oniversity or restrict	Institute						
Thomas Mareci	С		University of Florida	Biochemistry and						
(S)			, , , , , , , , , , , , , , , , , , , ,	Molecular Biology						
Anil Mehta (0)	С		University of Florida	AMRIS						
James Rocca	С		University of Florida	AMRIS Affiliated Faculty &						
(S)				Staff			\ \			
Huadong Zeng	С		University of Florida	AMRIS Affiliated Faculty &			l \			
(S)				Staff			1			
Luke Arbogast	PI	*	National Institute of	Institute for Bioscience and	No other support	P19588	Investigation of solid-state NMR for	Biology,	1	30
(S)			Standards and Technology MD	Biotechnology Research			characterization of stability in spray- dried protein therapeutic	Biochemistry, Biophysics		
John Marino	С		National Institute of	Institute for Bioscience and			formulations	ыорнувісь		
(S)	C		Standards and Technology	Biotechnology Research			Tomatations			
(5)			MD	Biotecimotogy Research			\ \	\		
Anil Mehta (0)	С		University of Florida	AMRIS			\			
Sandra	PI	*	University of Florida	Chemistry	No other support	P19658	Structural characterization of novel	Chemistry	1	7.83
Loesgen (S)			·	ŕ			microbial metabolites and their			
							biological activity			
Bill Baker (S)	PΙ	*	University of South Florida	Chemistry	No other support	P19767	Natural Product Drug Discovery for	Biology,	1	4
Joe	С		University of South Florida	Chemistry			Infectious Diseases and the need for	Biochemistry,		
Bracegirdle (P)							High-Sensitivity NMR Equipment	Biophysics		
Jimmy	PI	*	Louisiana State University	Chemical Engineering	No other support	P19782	Advanced NMR Spectroscopy as a	Chemistry	1	19
Lawrence (S)	•		Haliana Barak Elanda	Dischargistas O Malassia			Versatile Platform for Elucidating the Structure-Property Relationship of			
James H.P. Collins (P)	С		University of Florida	Biochemistry & Molecular Biology			Bottlebrush Polymers			
John Jones (S)	PI		Center for Neurosciences	Metabolic Control Lab	No other support	P19803	Developing H2180 as a tracer of	Biology,	1	11
201111 201162 (2)	гі		and Cell Biology	Metabolic Colli of Lab	ino other support	F17003	carbohydrate metabolism: Positional	Biochemistry,	'	"
Matthew	С		University of Florida	Biochemistry and			analysis of liver glycerol and	Biophysics		
Merritt (S)	-		,	Molecular Biology			glycogen 180-enrichment by isotope-	, ,		
							shifted 13C and 31P NMR			
<u> </u>							Total Proposals:	Experi		Days:
·							31		31	1,292.00

### 2. DC FIELD FACILITY

		Participants			Funding Courses		Danasal			E.m.	Davis
		(Name, Role, Org., Dept.)			Funding Sources (Funding Agency, Division, Award #)		Proposal #	Proposal Title	Discipline	Exp.	Days Used
Dmytro Abraimov (S)	PI	National High Magnetic	The Applied	No other support	(randing Agency, Division, Award #/		P13640 /	Angular dependence of Jc	Magnets, Materials	1	7.62
		Field Laboratory	Superconductivity Center				/	for modern ReBCO Coated			
Griffin Bradford (0)	С	National High Magnetic	Applied Superconductivity				/	Conductors at high			
		Field Laboratory	Center				/	magnetic fields			
Ashleigh Francis (T)	С	National High Magnetic	ASC				/				
Landan and the (C)	•	Field Laboratory	CMS				/	/			
Jan Jaroszynski (S)	С	National High Magnetic Field Laboratory	CMS				/	/			
David Larbalestier	С	National High Magnetic	ASC				/	/			
(S)	Ü	Field Laboratory	ASC				<i>I</i>	/			
Yasu Takano (S)	PI	University of Florida	Physics	UCGP			14886	Magnetic and thermal	Condensed Matter	1	4.42
Eun Sang Choi (S)	С	National High Magnetic	Physics Department					properties of novel	Physics		
		Field Laboratory						quantum magnets			
Yanbo Guo (G)	С	University of Florida	Physics								
Xinzhe Hu (G)	С	University of Florida	Physics								
David Mandrus (S)	С	University of Tennessee,	Materials Science and				1				
Chamban Namion (C)	С	Knoxville	Engineering				l 1	\ \			
Stephen Nagler (S)	C	Oak Ridge National Laboratory					l 1	\			
Joseph Checkelsky	PI	Massachusetts Institute of	Physics	DOD	ARO - Army Research		R16258	High Field Studies of	Condensed Matter	2	11.36
(S)		Technology	,		Office		1	Magnetic Weyl	Physics	_	
Alimamy Bangura (S)	С	National High Magnetic	CMS	MIT	US College and University		١ ١	Semimetals	,		
, , ,		Field Laboratory			- ,		١ ١	\			
Aravind Devarakonda	С	Columbia University	Physics				<b>\</b>	\			
(P)							\ \		\		
David Graf (S)	С	National High Magnetic	DC Field CMS				\ \				
Minuses Henrico	•	Field Laboratory Massachusetts Institute of	Dhusias				\				
Minyong Han (G)	С	Technology	Physics				\				
Hisashi Inoue (P)	С	Massachusetts Institute of	Physics				\				
model (i )	Ū	Technology	i nysies					\			
Caolan John (G)	С	Massachusetts Institute of	Physics								
, , , , , , , , , , , , , , , , , , ,		Technology	,							/	
Takashi Kurumaji (P)	С	Massachusetts Institute of	Physics								
		Technology									
Paul Neves (G)	С	Massachusetts Institute of	Physics								
Tababba Comulai (D)	С	Technology	December and of Discrine								
Takehito Suzuki (P)	C	Massachusetts Institute of Technology	Department of Physics								
Joshua Wakefield (G)	С	Massachusetts Institute of	Physics								
Sosilua Wakeneta (o)	Ū	Technology	i nysies								
Linda Ye (G)	С	Massachusetts Institute of	Physics								
		Technology	·								
Junbo Zhu (G)	С	Massachusetts Institute of	Physics								
		Technology									
Grace Morgan (S)	PI *	University College Dublin	School of Chemistry and	NSF	DMR - Division of Materials	DMR1625780	P16285	Multiferroic behavior at	Condensed Matter	1	0.2
Shalinee Chikara (S)	С	National High Magnetic	Chemical Biology CMS, DC Field Facility		Research			spin-state transitions - beyond Mn(taa)	Physics		
Sildunee Chikara (S)	C	Field Laboratory	omo, Do Field Facility					peyona militad)			
Xiaxin Ding (P)	С	Idaho National Laboratory	NST								
Vibe Jakobsen (G)	Č	University College Dublin	School of Chemistry								
Conor Kelly (G)	c	University College Dublin	Department of Chemistry								
Alexey Kovalev (S)	С	National High Magnetic	CMS								
		Field Laboratory									
Irina Kuehne (P)	С	University College Dublin	School of Chemistry								
Masoud Mardani (G)	С	Florida State University	CMS								
Andrew Ozarowski	С	National High Magnetic	EMR								
(S) Theo Siegrist (S)	С	Field Laboratory National High Magnetic	Chamical and Diamedias!								
med Siegrist (S)	C	Field Laboratory	Chemical and Biomedical Engineering								
John Singleton (S)	С	National High Magnetic	Physics								
Jam Singiston	-	Field Laboratory	,0.00								
Alexey Suslov (S)	С	National High Magnetic	Condensed Matter Science								
\		Field Laboratory									
Johan van Tol (S)	С	National High Magnetic	EMR								
	\	Field Laboratory					l				

Workstand   Comparison   Comp			Participants			Funding Sources		Proposal	D 17-1	Di' "	Exp.	Days
The control of the					(Funding			#	Proposal Title	Discipline	#	
Rischnichts Das (2) C Dube (broversity Physics Does (1) C C Dube (broversity Physics Does (1) C C Dube (1) C C Dube (1) C C Dube (1) C C Does (1) C C Dube (1) C C Does (1) C C Dube (1) C Dub	Vivien Zapf (S)	С		Physics					/			
Mathows Emils (5) C Section of the Workship Section (5) C Section (5) C Section of the Workship Section (5) C Section of the Workship Section (5) C Section (5) C Section of the Workship Section (5) C Section (5			Duke University		Duke University	US College and University		P16289			1	7
David Colf (5) C Paid LMS Pale Liberatory Specified Letter and Exchange plant (15) of the Pale Liberatory Project Colored Plant (15) of the Pale Liberatory Colored Plant (15) of the Pale Liberatory Project Colored Plant (15) of the Pale Liberator			Duke University					/		Physics		
Thereshould \$51(5) C Soches whereasty Society Consideration (Society Consideration Con			Duke University					/				
The name of particular properties of processes and computer and processes and computer and processes and process	David Graf (S)	С		DC Field CMS				/	Antiferromagnetic System			
Desident Roseandert  C National Righ Magester  Finel Laboratory  Armande Padadan  C University of See Paul  Physics  DE Flaid LMS  Physics  Phy	Zhenzhong Shi (S)	С		and Technology & Institute					/			
David Grif (S) C   Saloval High Magnetic   First Loss Angeles   Condersed Matter   Conder	Sergei Zvyagin (S)	PI			Forschungsgemeinschaft	Other	ZV 6/2-2	P 7345	magnetic properties of		1	8
Filling CS  Tay Interface of Physics  William Halpsrin (S)  Pi Northwestern University  William Halpsrin (S)  C National High Magnetic Field Laboratory  Fie	David Graf (S)	С		DC Field CMS					competing magnetic			
Technology   Pl Northwestern University   Physics   DGE   Office of Science - BES   DE-F002   DF-F002		С	University of Sao Paulo	Physics								
Mun Chan (5) C National High Magnetic Field Laboratory Fi	Hidekazu Tanaka (S)	С		Physics								
Field Laboratory Ingrid Solt (C) Arnell Reyes (S) C	William Halperin (S)	PI		Physics	DOE			P17355			1	14
Elizabeth Green (S) C National High Magnetic Condensed Matter Science Find Laboratory Condensed Matter Science Find Lab	Mun Chan (S)	С		Pulsed field Facility					\			
Ameli Reye (S) C National High Magnetic Circle (Laboratory Physics Pridox 16) C Northwestern University Physics Physics Product (S) P1 Purdue University Physics Physics Physics Physics Product (S) P1 Purdue University Physics Physics Compared Education and Multidisciplinary Activities    Lin Jiao (S) C National High Magnetic Field Laboratory Electrical and Computer Engineering Computer Comp	Elizabeth Green (S)	С	National High Magnetic	Condensed Matter Science				\	\			
Ingrist Stit (6) C Northwestern University Physics Prize National High Magnetic Field Laboratory Sulfament (6) C Northwestern University Physics National High Magnetic Field Laboratory Sulfament (6) C Northwestern University Physics National High Magnetic Field Laboratory Sulfament (6) C Northwestern University of Michigan National High Magnetic Field Laboratory Sulfament (6) C Northwestern University of Michigan National High Magnetic Field Laboratory Sulfament (7) C Northwestern University of Michigan National High Magnetic Field Laboratory Sulfament (7) C Northwestern University of Michigan National High Magnetic Field Laboratory Sulfament (7) C Northwestern University of Michigan National High Magnetic Field Laboratory Sulfament (7) C Northwestern University of Michigan National High Magnetic Field Laboratory Sulfa State Research National High Magnetic Field Laboratory University of Michigan National High Magnetic Field Laboratory Sulf Laboratory University of Michigan National High Magnetic Field Laboratory National High Magnetic Field Laboratory Sulf Laboratory National High Magnetic Field Laboratory Sulf Laboratory Su	Arneil Reyes (S)	С	National High Magnetic	Condensed Matter Science				\	\			
Peide Ye (S) PI Purdue University School of Electrical and Compute Engineering Lin Jiao (S) C National High Magnetic Field Laboratory Chang Niu (G) C Purdue University of California, Lox Angeles (CLA) Electrical and Computer Engineering Significant Physics Computer Engineering Change (S) C University of California, Lox Angeles (CLA) Electrical and Computer Engineering Electrical and Computer Engineering Change (S) C Purdue University of Electrical and Computer Engineering Electrical and Computer Engineering Change (S) C University of Michigan Physics Cut Liu (S) PI University of Michigan Physics Pernhard Keimer (S) C University of Michigan Physics Computer Engineering Change (S) C University of Michigan Physics Computer Engineering Change (S) C University of Michigan Physics Change (S) C C Max Planck Institute for Solid State Research, Stuttgart Change (S) C C University of Michigan Physics Change (S) C C University of Michigan Physics Change (S) C C Diversity of Michigan Physics Change (S) C C C University of Michigan Physics Change (S) C C C C C C C C C C C C C C C C C C C	Ingrid Stolt (G)	С		Physics				\		\		
Lin Jiao (S) C National High Magnetic Field Laboratory Chang Niu (G) C Purdue University of Electrical and Computer Engineering Electrical	Yizhou Xin (G)	С	Northwestern University	Physics				\				
Field Laboratory  Chang Niu (G)  C  Purdue University  Electrical and Computer Engineering  Engineering  Electrical and Computer Engineering  Engineering  Electrical and Computer Engineering  DMR - Division of Materials  Energy Science - BES - DE-SC0020184  Energy Sciences  Engineering  Eng			•	Computer Engineering	NSF	and Multidisciplinary	EFMA1433459	P17462	one-dimensional van der Waals chiral material		1	5.31
Gang Qiu (P) C University of California, Los Angeles (UCLA) Los Angeles (UCLA) Purdue University of Eclificated and Computer Engineering Electrical and Electrical and Computer Engineering Electrical and Electrical			Field Laboratory						tellurene			
Lu Li (S) Pl University of Michigan Physics DDE DE-SC0020184 Saisc Energy Sciences BS - Basic Energy S	Chang Niu (G)		·	Engineering							_	
Engineering    Lu Li (S)	Gang Qiu (P)	С										
Research  Lu Chen (G) C University of Michigan Physics DE Science - BES - Basic Energy Sciences  Lu Chen (G) C University of Michigan National High Magnetic Field Laboratory  Bernhard Keimer (S) C Max Planck Institute for Solid State Research, Stuttgart  Dmitri Mihaliav (G) C University of Michigan Physics Physics  Dimitri Mihaliav (G) C University of Michigan Physics Physics  Dimitri Mihaliav (G) C University of Michigan Physics Physics  Jun Zhu (S) PI Physicy Michigan Department of Physics Physics Physics Physics Physics Physics Department of	Zhuocheng Zhang (G)		Purdue University									
Lu Chen (G) C University of Michigan Physics All Field Laboratory University of Michigan Department of Physics Physics Plated Laboratory University of Michigan Department of Physics December (Good Coordinate) (Coordinate) (Coo	Lu Li (S)	PI	University of Michigan	Physics	NSF		DMR1707620	P17469			1	2
William Coniglio (S)  C  National High Magnetic Field Laboratory Max Planck Institute for Solid State Research, Stuttgart Dimitri Mihaliev (G) Dohn Singleton (S) C  National High Magnetic Field Laboratory University of Michigan Department of Physics Dun Zhu (S) Dun Zhu (S) Pl Perhaydwania State University May Planck Institute for Solid State Research, Stuttgart Applied Physics Physics University of Michigan Department of Physics Department of Physics Department of Physics Research  NSF DMR - Division of Materials DMR1904986 P17473 Probing quasi-particle charge and statistics in the quantum Halt and fractional quantum Halt regimes of bilayer graphene  Very Bundley Augustian State University Field Laboratory University Field Laboratory We Huang (G) C Pennsylvania State University Field Laboratory Very Bundley Field Laboratory Field Laboratory We Huang (G) C Pennsylvania State University Field Laboratory Field Laboratory We Huang (G) Field Laboratory We Huang (G) Field Laboratory	Kuan-Wen Chen (P)	С	University of Michigan	Physics	DOE		DE-SC0020184					
Field Laboratory   Solid State Spectroscopy   Solid State Spectroscopy   Solid State Research   Solid State Research   Solid State Research   Stuttgart   Solid State Research   Solid Research   Solid Research   Solid Research   Solid State Research   Solid Resear												
Bernhard Keimer (S) C Max Planck Institute for Solid State Research, Solid State Research, Solid State Research, Stuttgart  Dmitri Mihaliou (G) C University of Michigan Dohn Singleton (S) C National High Magnetic Field Laboratory  University of Michigan Department of Physics  Dechen Zhang (G) C University of Michigan Department of Physics  Dury Zhu (S) PI Pennsylvania State University  Hailong Fu (P) C Pennsylvania State University  Lizabeth Green (S) C National High Magnetic Field Laboratory  Field Laboratory  Lizabeth Green (S) C National High Magnetic Field Laboratory  Field Laboratory  Field Laboratory  Physics  NSF DMR - Division of Materials Research  NSF NSF DMR - Division of Materials Research  NSF	William Coniglio (S)	С		A1								
Dmitr Mihaliav (G) C University of Michigan Applied Physics John Singleton (S) C National High Magnetic Field Laboratory  Ziji Xiang (P) C University of Michigan Department of Physics  Guoxin Zheng (G) C University of Michigan Department of Physics  Jun Zhu (S) PI Pemsytvania State University  Alimamy Bangura (S) C National High Magnetic Field Laboratory  Hailong Fu (P) C Pennsytvanis State University  DMS C Pennsytvanis State University  DMR1904986  P17473  Probing quasi-particle charge and statistics in the quantum Hall and fractional quantum Hall regimes of bilayer graphene  Elizabeth Green (S) C Pennsytvanis State University  Jun Sung Kim (S) PI Pohang University of Physics National Research Other P17521 Exotic topological Condensed Matter 1 3.15	Bernhard Keimer (S)	С	Max Planck Institute for Solid State Research,	Solid State Spectroscopy							<b>-</b>	
John Singleton (S) C National High Magnetic Field Laboratory  Ziji Xiang (P) C University of Michigan Department of Physics  Dechen Zhang (G) C University of Michigan Department of Physics  Guoxin Zheng (G) C University of Michigan Department of Physics  Jun Zhu (S) PI Penasylvania State University  Alimamy Bangura (S) C National High Magnetic Field Laboratory  Hailong Fu (P) C Pennsylvania State University  Elizabeth Green (S) C National High Magnetic Field Laboratory  Ke Huang (G) C Pennsylvania State University  Jun Sung Kim (S) PI Pohang University of Physics  NSF DMR - Division of Materials DMR1904986 P17473 Probing quasi-particle charge and statistics in the quantum Hall and fractional quantum Hall and fractional quantum Hall and fractional quantum Hall regimes of bilayer graphene  Seearch  NSF DMR - Division of Materials DMR1904986 P17473 Probing quasi-particle charge and statistics in the quantum Hall regimes of bilayer graphene  Seearch  Seearch  Hailong Fu (P) C Pennsylvania State University  Field Laboratory  None Department of Physics  NSF DMR - Division of Materials DMR1904986 P17473 Probing quasi-particle charge and statistics in the quantum Hall regimes of bilayer graphene  Seearch  Field Laboratory  NSF DMR - Division of Materials DMR1904986 P17473 Probing quasi-particle charge and statistics in the quantum Hall regimes of bilayer graphene  Seearch  Seearch  Fundamy Bangura (S) P1 Pennsylvania State University of Physics  NSF DMR - Division of Materials DMR1904986 P17473 Probing quasi-particle charge and statistics in the quantum Hall and fractional quantum Hall regimes of bilayer graphene  Seearch	Dmitri Mihaliny (G)	С		Applied Physics								
Ziji Xiang (P) C University of Michigan Department of Physics Dechen Zhang (G) C University of Michigan Department of Physics Dechen Zhang (G) C University of Michigan Department of Physics Departme			National High Magnetic									
Dechen Zhang (G) C University of Michigan Department of Physics Department of Physics  Jun Zhu (S) PI Pennsylvania State University  Alimamy Bangura (S) C National High Magnetic Field Laboratory  Hailong Fu (P) C Pennsylvania State University  Elizabeth Green (S) C National High Magnetic Field Laboratory  Ke Huang (G) C Pennsylvania State University  Jun Sung Kim (S) PI Pohang University of Michigan Department of Physics  NSF DMR - Division of Materials DMR1904986  Research  NSF DMR - Division of Materials DMR1904986  P17473 Probing quasi-particle charge and statistics in the quantum Hall and fractional quantum Hall regimes of bilayer graphene  Condensed Matter Science Field Laboratory  Ke Huang (G) C Pennsylvania State University  DMR1904986 P17473 Probing quasi-particle charge and statistics in the quantum Hall and fractional quantum Hall regimes of bilayer graphene  Condensed Matter Science Field Laboratory  Ke Huang (G) C Pennsylvania State University  Physics  DMR1904986 P17473 Probing quasi-particle charge and statistics in the quantum Hall and fractional quantum Hall and fractional quantum Hall regimes of bilayer graphene  Solvential Science Physics  DMR1904986 P17473 Probing quasi-particle charge and statistics in the quantum Hall and fractional quantum Hall regimes of bilayer graphene  Solvential Science Physics  Solvential Science Physics  DMR1904986 P17473 Probing quasi-particle charge and statistics in the quantum Hall regimes of bilayer graphene  Solvential Science Physics Physics  Solvential Science Physics Physics  Solvential Science Physics Probing quasi-particle Condensed Matter Physics  Solvential Science Physics	Ziii Xiang (P)	C		Physics								
Guoxin Zheng (G) C University of Michigan Department of Physics NSF DMR - Division of Materials DMR1904986 P17473 Probing quasi-particle charge and statistics in the quantum Hall and fractional quantum Hall and fractional quantum Hall negimes of bilayer graphene  Field Laboratory Field Laboratory Condensed Matter Science Field Laboratory Field												
Jun Zhu (S) PI Pemsylvania State University Alimamy Bangura (S) C National High Magnetic Field Laboratory Hailong Fu (P) C Pennsylvania State University Elizabeth Green (S) C National High Magnetic Field Laboratory  Ke Huang (G) C Pennsylvania State University  Jun Sung Kim (S) PI Pohang University of Physics  NSF DMR - Division of Materials DMR1904986 Research  DMR - Division of Materials DMR1904986 Research  P17473 Probing quasi-particle charge and statistics in the quantum Hall requirement of the quantum Hall regimes of bilayer graphene  Condensed Matter 1 7  Probing quasi-particle charge and statistics in the quantum Hall regimes of bilayer graphene  Condensed Matter 1 7  Probing quasi-particle charge and statistics in the quantum Hall regimes of bilayer graphene  Field Laboratory  Ke Huang (G) C Pennsylvania State Physics  Jun Sung Kim (S) PI Pohang University of Physics National Research  NSF DMR - Division of Materials DMR1904986  P17473 Probing quasi-particle charge and statistics in the quantum Hall requirement of the quantum Hall regimes of bilayer graphene  Physics  Condensed Matter 1 7  Tondensed Matter 1 7  Probing quasi-particle charge and statistics in the quantum Hall and fractional quantum Hall regimes of bilayer graphene  Condensed Matter 1 3 3.15												
Alimamy Bangura (S) C National High Magnetic Field Laboratory  Hailong Fu (P) C Pennsylvania State University  Elizabeth Green (S) C National High Magnetic Field Laboratory  Ke Huang (G) C Pennsylvania State University  Jun Sung Kim (S) PI Pohang University of Physics National Research Other P17521 Exotic topological Condensed Matter 1 3.15			Pennsylvania State		NSF		DMR1904986	P17473			1	7
Hailong Fu (P) C Pennsylvania State University  Elizabeth Green (S) C National High Magnetic Field Laboratory  Ke Huang (G) C Pennsylvania State University  Jun Sung Kim (S) PI Pohang University of Physics National Research Other P17521 Exotic topological Condensed Matter 1 3.15	Alimamy Bangura (S)	С	National High Magnetic	CMS					the quantum Hall and fractional quantum Hall	,		
Elizabeth Green (S) C National High Magnetic Field Laboratory  Ke Huang (G) C Pennsylvania State University  Jun Sung Kim (S) PI Pohang University of Physics National Research Other P17521 Exotic topological Condensed Matter 1 3.15	Hailong Fu (P)	С	Pennsylvania State	Physics					regimes of bilayer			
Ke Huang (G) C Pennsylvania State Physics University  Jun Sung Kim (S) PI Pohang University of Physics National Research Other P17521 Exotic topological Condensed Matter 1 3.15	Elizabeth Green (S)	С	National High Magnetic	Condensed Matter Science								
Jun Sung Kim (S) PI Pohang University of Physics National Research Other P17521 Exotic topological Condensed Matter 1 3.15	Ke Huang (G)	С	Pennsylvania State	Physics								
	Jun Sung Kim (S)	PI		Physics	National Research Foundation in Korea	Other		P17521	Exotic topological transport induced by	Condensed Matter Physics	1	3.15

		Participants (Name, Role, Org., Dept.)		(Fundi	Funding Sources ng Agency, Division, Award #)		Proposal #	Proposal Title	Discipline	Exp.	Days Used
Eun Sang Choi (S)	С	National High Magnetic	Physics Department	(i dildii	ig Agency, Division, Award #/		*	spin/pseudospin texture		**	0364
Joonyoung Choi (G)	С	Field Laboratory Kyungpook National University	Physics					at high magnetic fields			
Min Hyuk Choi (G)	С	Pohang University of Science and Technology	Physics								
Ho Seong Jeon (G)	С	Pohang University of Science and Technology	Physics				/				
YounJung Jo (S)	С	Kyungpook National University	Physics					/			
Woun Kang (S) Hoil Kim (G)	C C	Ewha Womans University Pohang University of Science and Technology	Department of Physics Physics								
Changll Kwon (G)	С	Pohang University of Science and Technology	Physics								
Jong Mok Ok (G)	С	Oak Ridge National Laboratory	Physics								
Junho Seo (G)	С	Pohang University of Science and Technology	Physics								
Nikoleta Theodoropoulou (S)	PI	Texas State University	Physics	Texas State University	US College and University		P17528	Electronic Properties of epitaxial SrTiO3 films on	Condensed Matter Physics	1	7
Barry Koehne (G) John Miracle (G)	C C	Texas State University Texas State University	Physics Physics				١ ١	Si			
Zhehong Gan (S)	PI	National High Magnetic Field Laboratory	NHMFL	No other support			P 7597	Development of 1.5 GHz NMR using 36T Series-	Magnets, Materials	1	8
William Brey (S)	С	National High Magnetic Field Laboratory	NMR				\	Connected-Hybrid (SCH) Magnet			
Kuizhi Chen (P)	С	National High Magnetic Field Laboratory	NMR				\	Magnet			
Po-Hsiu Chien (G)	С	Florida State University	Chemistry and Biochemistry				\				
Tim Cross (S)	С	National High Magnetic Field Laboratory	NHMFL/Chemistry & Biochemistry				\				
Ivan Hung (S)	С	National High Magnetic Field Laboratory	CIMAR/NMR								
Ilya Litvak (S)	С	National High Magnetic Field Laboratory	CIMAR/NMR								
Joana Paulino (P)	С	National High Magnetic Field Laboratory	CIMAR								
Jeffrey Schiano (S)	С	Pennsylvania State University	Electrical Engineering								
Geetha Balakrishnan (S)	PI	University of Warwick	Physics	European Research Council	Non US Council		P17678	Quantum oscillations in Kondo insulators	Condensed Matter Physics	1	5.68
Monica Ciomaga Hatnean (S)	С	Paul Scherrer Institute	Research with Neutrons and Muons, Laboratory for Multiscale materials eXperiments								
Alex Eaton (G) David Graf (S)	C	University of Cambridge National High Magnetic Field Laboratory	Physics DC Field CMS							/	
Alex Hickey (G)	С	University of Cambridge	Department of Physics								
James Analytis (S)	PI	University of California, Berkeley	Physics	DOE	Office of Science - BES - Basic Energy Sciences	DE-AC02- 05CH11231	P17755	Superconductor to Insulator Transition in a	Condensed Matter Physics	1	7
Alimamy Bangura (S)	c	National High Magnetic Field Laboratory	CMS			555251		Non-Centrosymmetric Rare-Earth Compound	,,,,,,,		
Nikola Maksimovic (G)	С	University of California, Berkeley	Physics								
Eran Maniv (P)	С	University of California, Berkeley	Physics								
Vikram Nagarajan (G)	С	University of California, Berkeley	Physics								
Ziling Xue (S)	PI	University of Tennessee, Knoxville	Chemistry	NSF	CHE - Chemistry	CHE1900296	P17767	Investigating Molecular Magnetism by Magneto-	Chemistry	1	7
Alexandria Bone (G)	С	University of Tennessee, Knoxville	Chemistry					Far-IR Spectroscopy			
Adam Hand (G)	С	University of Tennessee, Knoxville	Chemistry								

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		Participants (Name, Role, Org., Dept.)		(Fundin	Funding Sources ng Agency, Division, Award #)		Proposal #	Proposal Title	Discipline	Exp. #	Days Used
Michael Jenkins (G)	С	University of Tennessee,	Chemistry					/			
Mykhaylo Ozerov (S)	С	Knoxville National High Magnetic Field Laboratory	Condensed Matter Science, DC Field CMS				/				
Dmitry Smirnov (S)	С	National High Magnetic Field Laboratory	Instrumentation & Operations								
Pagnareach Tin (G)	С	University of Tennessee, Knoxville	Chemistry								
Minhyea Lee (S)	PI	University of Colorado, Boulder	Physics	NSF	DMR - Division of Materials Research	DMR2001376	P17772	Probing novel magnetism in spin-orbit coupled	Condensed Matter Physics	1	7
Gang Cao (S)	С	University of Colorado, Boulder	Department of Physics.	University of Colorado Boulder	US College and University		/	systems			
Eun Sang Choi (S)	С	National High Magnetic Field Laboratory	Physics Department								
Kwang Yong Choi (S)	С	Sungkyunkwan University	Department of Physics								
lan Leahy (G)	С	University of Colorado, Boulder	Physics								
Tyrel McQueen (S)	С	Johns Hopkins University	Chemistry and Physics and Astronomy								
Christopher Pocs (G)	С	University of Colorado, Boulder	Physics					\			
Peter Siegfried (P)	С	George Mason University	Physics and Astronomy								
Arthur Ramirez (S)	PI	University of California, Santa Cruz	Physics	DOE	Office of Science - BES - Basic Energy Sciences	DE-SC0017862	P17775	Probing the Putative Neutral Fermi Surface of	Condensed Matter Physics	1	14
Alimamy Bangura (S)	С	National High Magnetic Field Laboratory	CMS		basic Energy Sciences		\	SmB6 Using Specific Heat	i ilyaica		
Priscila Ferrari Silveira Rosa (P)	С	Los Alamos National Laboratory	MPA-CMMS				\	`			
Zachary Fisk (S)	С	University of California, Irvine	Physics and Astronomy				\				
Nathanael Fortune (S)	С	Smith College	Department of Physics				\				
Scott Hannahs (S)	С	National High Magnetic Field Laboratory	Instrumentation								
Patrick LaBarre (G)	С	University of California, Santa Cruz	Physics							/	
Tyrel McQueen (S)	С	Johns Hopkins University	Chemistry and Physics and Astronomy								
Joyce Palmer- Fortune (S)	С	Smith College	Physics								
Andreas Rydh (S)	С	Stockholm University	Department of Physics								
Eun Sang Choi (S)	PI	National High Magnetic Field Laboratory	Physics Department	No other support			P17780	Magnetothermal conductivity studies on	Condensed Matter Physics	1	7
Hongwoo Baek (S)	С	National High Magnetic Field Laboratory	DC field					breathing pyrochlore magnets			
Rabindranath Bag (P)	С	Duke University	Physics								
Alimamy Bangura (S)	С	National High Magnetic Field Laboratory	CMS								
Sachith Dissanayake (P)	С	Duke University	Physics							-	
Matthew Ennis (G)	С	Duke University	Physics								
Sara Haravifard (S)	С	Duke University	Department of Physics								
Hongcheng Lu (P) Zhenzhong Shi (S)	C	Duke University Soochow University	Physics School of Physical Science								
Zhenzhong Shi (S)	,	Social worldersky	and Technology & Institute for Advanced Study								
William Steinhardt (G)	С	Duke University	Physics								
Lalit Yadav (G)	С	Duke University	Physics								
Sabyasachi Sen (S)	PI	University of California, Davis	Chemical Engineering and Materials Science	NSF	DMR - Division of Materials Research	DMR1855176	P17811	Investigation of the atomistic basis of	Condensed Matter Physics	1	4
Zhehong Gan (S)	С	National High Magnetic Field Laboratory	NHMFL					structural relaxation and viscous flow in			
Ivan Hung (S)	С	National High Magnetic Field Laboratory	CIMAR/NMR					supercooled chalcogenide liquids by high field dynamical NMR			
Yiqing Xia (G)	С	University of Calitornia, Davis	Materials Science					spectroscopy			

		Participants (Name, Role, Org., Dept.)			Funding Sources (Funding Agency, Division, Award #)		Proposal #	Proposal Title	Discipline	Exp. #	Days Used
Weidi Zhu (G)	С	University of California, Davis	Materials Science & Engineering								
Jeffrey Schiano (S)	PI	Pennsylvania State University	Electrical Engineering	NIH	NIGMS - National Institute of General Medical Sciences	GM122698	P17819	Flux Regulation for Powered Magnets	Engineering	1	3
William Brey (S)	С	National High Magnetic Field Laboratory	NMR				/				
Ilya Litvak (S)	С	National High Magnetic Field Laboratory	CIMAR/NMR				/	/			
Xinxing Meng (G)	С	Pennsylvania State University	Electrical Engineering				/	/			
Waroch Tangbampensountorn (G)	С	Pennsylvania State University	Electrical Engineering								
Qi Li (S)	PI	Pennsylvania State University	Physics	DOE	Office of Science - BES - Basic Energy Sciences	DE-FG02- 08ER46531	P17849	Shubnikov de Haas oscillation of two	Condensed Matter Physics	1	3.65
Autumn Heltman (U)	С	Pennsylvania State University	Physics		<b>3,</b>			dimensional electron gases with strong spin-	,		
Lin Jiao (S)	С	National High Magnetic Field Laboratory	CMS				1	orbit coupling at transition metal oxide interfaces			
Shalini Kumari (P)	С	Pennsylvania State University	Physics				1	\			
Ziqiao Wang (G)	С	Pennsylvania State University	Physics				\	\			
Xiaodong Xu (S)	PI	University of Washington	Physics	DOD	US Air Force	FA9550-21-1- 0177	P1V854	pressure tuning magnetic properties of van der	Condensed Matter Physics	1	6.32
Jiaqi Cai (G)	С	University of Washington	Physics				\	Waals magnets	ŕ		ı
Zaiyao Fei (P)	С	University of Washington	Physics				\		\		
David Graf (S)	С	National High Magnetic	DC Field CMS				\				
		Field Laboratory					\				
Dmitry Ovchinnikov (P)	С	University of Washington	Physics				\				
Alexey Suslov (S)	PI	National High Magnetic Field Laboratory	Condensed Matter Science	No other support			P17866	Improvement of the ultrasonic techniques at the DC field facility 2018	Magnets, Materials	1	7
Sanfeng Wu (S)	PI	Princeton University	Department of Physics	NSF	DMR - Division of Materials Research	DMR1942942	P17871	Exploring Topological Quantum Phases and	Condensed Matter Physics	2	18.56
Yanyu Jia (G)	С	Princeton University	Physics					Devices Based on 2D			
Michael Onyszczak (G)	С	Princeton University	Physics					Materials			
Leslie Schoop (S)	С	Princeton University	Chemistry								
Pengjie Wang (P)	С	Princeton University	Department of Physics								
Guo Yu (G)	С	Princeton University	Physics								
Christianne Beekman (S)	PI	National High Magnetic Field Laboratory	Physics	NSF	CAREER - Faculty Early Career Development	1847887	P17889	The effect of strain and confinement on spin ice	Condensed Matter Physics	2	13
David Graf (S)	С	National High Magnetic Field Laboratory	DC Field CMS		Program			physics in pyrochlore titanate thin films.			
Sangsoo Kim (G)	С	Florida State University	Physics								
Ryan Baumbach (S)	PI	National High Magnetic Field Laboratory	CMS	DOE	Other	DE-AC02- 07CH11358	P17894	Investigation of dual nature f-electron	Condensed Matter Physics	2	11.5
Luis Balicas (S)	С	National High Magnetic Field Laboratory	Condensed Matter Experiment	DOE	Office of Science - BES - Basic Energy Sciences	DE-SC0016568		intermetallics using high magnetic fields	,5:65		
Eun Sang Choi (S)	C	National High Magnetic  Field Laboratory	Physics Department		Dasic Ellel gy Sciences			agrictic netus			
Aikaterini Flessa Savvidou (G)	С	National High Magnetic Field Laboratory	Condensed Matter								
Mykhaylo Ozerov (S)	С	National High Magnetic Field Laboratory	Condensed Matter Science, DC Field CMS								
Andriy Palasyuk (S)	С	Iowa State University	CMI								
Seungyong Hahn (S)	PI	National High Magnetic Field Laboratory	Applied Superconductivity Center, Mechanical	NSF	DMR - Division of Materials Research	DMR1644779	P17900	No-Insulation Type High Temperature	Magnets, Materials	1	4.1
Dmytro Abraimov (S)	С	National High Magnetic	Engineering The Applied					Superconductor Winding Techniques for All-			
		Field Laboratory	Superconductivity Center					Superconducting >30-T DC			
Jeseok Bang (G)	С	Seoul National University	Department of Electrical and Computer Engineering					User Magnets			

		Participants (Name, Role, Org., Dept.)		(Fundi	Funding Sources ng Agency, Division, Award #)		Proposal #	Proposal Title	Discipline	Exp.	Days Used
Griffin Bradford (0)	С	National High Magnetic	Applied Superconductivity	(Fundi	ig Agency, Division, Award #/		*	/		#	OSEG
Ashlaish Fassais (T)		Field Laboratory	Center					/			İ
Ashleigh Francis (T)	С	National High Magnetic Field Laboratory	ASC				/				I
Xinbo Hu (G)	С	National High Magnetic Field Laboratory	ASC				/				1
Jan Jaroszynski (S)	С	National High Magnetic Field Laboratory	CMS								l
Kwanglok Kim (0)	С	National High Magnetic Field Laboratory	Applied Superconductivity Center				/	/	1		l
Kwangmin Kim (0)	С	National High Magnetic	Applied Superconductivity Center					/			l
David Larbalestier (S)	С	Field Laboratory National High Magnetic Field Laboratory	ASC								l
So Noguchi (S)	С	Hokkaido University	Graduate School of Information Science and								
Michael Small (U)	С	Florida State University	Technology Applied Superconductivity Center								
Xi Ling (S)	PI	Boston University	Department of Chemistry	NSF	CHE - Chemistry	CHE1945364	P17901	Magneto-optics of 2D	Condensed Matter	1	2.4
Jade Holleman (G) Stephen McGill (S)	C C	Florida State University National High Magnetic	Physics Condensed Matter Science					Antiferromagnetic Semiconductors	Physics		İ
Qishuo Tan (G)	С	Field Laboratory Boston University	Department of Chemistry				1	\			I
Minhyea Lee (S)	PI	University of Colorado,	Physics	DOE	Office of Science - BES -	DE-SC0021377	P17906	Investigation on unusual	Condensed Matter	2	14
Alimamy Bangura (S)	С	Boulder National High Magnetic	CMS	University of Colorado	Basic Energy Sciences US College and University		\	magnetic responses in quantum magnets	Physics		
Gang Cao (S)	С	Field Laboratory University of Colorado,	Department of Physics.	Boulder			\				1
lan Leahy (G)	С	Boulder University of Colorado, Boulder	Physics				\				
Ross McDonald (S)	С	National High Magnetic Field Laboratory	Physics								1
Christopher Pocs (G)	С	University of Colorado, Boulder	Physics							/	]
Arkady Shehter (S)	С	Los Alamos National Laboratory	LANL MPA-MAGLAB								1
Peter Siegfried (P)	С	George Mason University	Physics and Astronomy								
Venkat Selvamanickam (S)	PI	University of Houston	Mechanical Engineering	DOE	Office of Science - HEP - High Energy Physics	DE-SC0016220	P17917	Critical current characterization of	Magnets, Materials	1	3.13
Eduard Galstyan (S)	С	University of Houston	Texas Center for Superconductivity	DOE	Office of Science - SBIR - Small Business Innovation Research	DE-SC0015983		Symmetric Tape Round (STAR) REBa2Cu3Ox wires at 4 K and very high			
Jan Jaroszynski (S)	С	National High Magnetic Field Laboratory	CMS		Research			magnetic fields			Ì
Janakiram Kadiyala (S)	С	Ampeers LLC	UH Technology Bridge								1
Soumen Kar (S) Mehdi Kochat (G)	C C	University of Houston University of Houston	Mechanical Engineering Mechanical engineering								
Lloyd Engel (S)	PI	National High Magnetic	CMS	DOE	Office of Science - BES -	DE-FG02-05-	P17920	Microwave spectroscopy	Condensed Matter	1	7
Matthew Freeman (G)	6	Field Laboratory National High Magnetic Field Laboratory	Condensed Matter Science		Basic Energy Sciences	ER46212		of electron solids in anisotropic semiconductor systems	Physics		
Loren Pfeiffer (S)	C	Princeton University	Electrical Engineering								I
Mansour Shayegan (S)	С	Princeton University	Department of Electrical Engineering				<u></u>				<u> </u>
Nicholas Butch (S)	PI	National Institute of Standards and Technology MD	NIST Center for Neutron Research	NIST	US Government Lab		P17928	Physical properties of spin triplet superconductor UTe2 in	Condensed Matter Physics	1	3.23
David Graf (S)	С	National High Magnetic Field Laboratory	DC Field CMS					high magnetic field			l
Sheng Ran (S)	С	Washington University in St. Louis	Physics								l
Sufei Shi (S)	PI	Rensselaer Polytechnic Institute	Chemical and Biological Engineering	DOD	US Air Force		P17976	Probing Excitonic Fine Structures in Van der	Condensed Matter Physics	1	4.02
Zhengguang Lu (G)	C	National High Magnetic Field Laboratory	Physics					Waals Heterostructures			l

		Participants			Funding Sources		Proposal	Proposal Title	Discipline	Exp.	Days
L =: M= (C)	С	(Name, Role, Org., Dept.)	Chaminal and Distantal	(Funding	Agency, Division, Award #)		#	/	Discipant	#	Used
Lei Ma (G)	C	Rensselaer Polytechnic Institute	Chemical and Biological Engineering								
Shengnan Miao (G)	С	Rensselear Polytechnic Institute	Chemical Engineering				/				
Dmitry Smirnov (S)	С	National High Magnetic Field Laboratory	Instrumentation & Operations				/				
Tianmeng Wang (G)	С	Rensselaer Polytechnic Institute	Chemical and Biological Engineering				/				
Badih Assaf (S)	PI *	University of Notre Dame	Physics	NSF	DMR - Division of Materials Research	DMR1905277	P17982	Symmetry breaking in Landau quantized	Condensed Matter Physics	2	14
David Graf (S)	С	National High Magnetic Field Laboratory	DC Field CMS				/	topological crystalline insulators	,		
Xinyu Liu (S)	С	University of Notre Dame					- 1	/			
Mykhaylo Ozerov (S)	С	National High Magnetic Field Laboratory	Condensed Matter Science, DC Field CMS				1				
Dmitry Smirnov (S)	С	National High Magnetic Field Laboratory	Instrumentation & Operations								
Jiashu Wang (G)	С	University of Notre Dame	Physics								
Fazel Tafti (S)	PI	Boston College	Physics	NSF	DMR - Division of Materials Research	DMR1708929	P17991	Revealing the Weyl-Kondo physics in a new	Condensed Matter Physics	1	7
David Graf (S)	С	National High Magnetic Field Laboratory	DC Field CMS					semimetal			
Paul Goddard (S)	PI	University of Warwick	Department of Physics	European Research Council Consolidator Grant	Non US Council	681260	P17992	Molecule-based quantum magnets in applied	Condensed Matter Physics	1	14
Matthew Coak (P)	С	University of Warwick	Department of Physics				1	pressures			
Sam Curley (G)	С	University of Warwick	Physics and Astronomy				\	\			
David Graf (S)	С	National High Magnetic Field Laboratory	DC Field CMS				\	,			
Jamie Manson (S)	С	Eastern Washington University	Chemistry and Biochemistry				\				
Robert Williams (P) Jia Li (S)	C Pl	University of Warwick	Dept of Physics	Brown University	UC Callana and University		P18016	Studying correlated	Condensed Matter	1	8
Jia Li (S) Jiangxiazi Lin (G)	C	Brown University Hong Kong University of	Department of Physics Center for Quantum	Brown University	US College and University		PIBUIO	electron states in two-	Physics	'	8
Jiangxiazi Lin (G)	C	Science and Technology	materials					dimensional material in	Filysics		
Xiaoxue Liu (P)	С	Brown University	Physics department					high magnetic field with			
Naiyuan Zhang (G)	C	Brown University	Department of Physics					microwave techniques		1	
Seng Huat Lee (S)	PI	Pennsylvania State University	Physics	NSF	MIP - Materials Innovation Platform	DMR1539916	P18018	Seeking for Weyl State in Intrinsic	Condensed Matter Physics	1	5.4
David Graf (S)	С	National High Magnetic Field Laboratory	DC Field CMS					Antiferromagnetic Topological Insulator			
Zhiqiang Mao (S)	С	Pennsylvania State University	Department of Physics					MnBi2Te4 under High Magnetic Fields			
Lujin Min (G)	С	Pennsylvania State University	Department of Physics								
Wei Ning (P)	С	Pennsylvania State University	Department of Physics								
Jian Liu (S)	PI	University of Tennessee, Knoxville	Physics	DOE	Office of Science - BES - Basic Energy Sciences	DE-SC0020254	P18024	Low-temperature high- field magnetotransport	Condensed Matter Physics	4	28
Alimamy Bangura (S)	С	National High Magnetic Field Laboratory	CMS					study of geometrically frustrated spin ice			
Qing Huang (6)	С	University of Tennessee, Knoxville	Physics					heterostructures			
Kyle Noordhoek (U)	6	University of Tennessee, Knoxville	Physics and Astronomy								
Chengkun Xing (G)	С	University of Tennessee, Knoxville	Physics								
Han Zhang (P)	С	University of Tennessee, Knoxville	Physics								
Adam Fiedler (S) John Berry (S)	PI C	Marquette University University of Wisconsin,	Chemistry Department of Chemistry	NSF	CHE - Chemistry	CHE1900562	P18030	Probing the Magnetic Anisotropy of Co(II)	Chemistry	1	7
Jurek Krzystek (S)	С	Madison National High Magnetic	Condensed Matter Science					Complexes Featuring Radical Ligands			
Mykhaylo Ozerov (S)	С	Field Laboratory National High Magnetic	Condensed Matter Science,								
Joshua Telser (S)	С	Field Laboratory Roosevelt University	DC Field CMS Biological, Physical and								
	<b>\</b>		Health Sciences								

		Participants (Name, Role, Org., Dept.)		(Fundin	Funding Sources g Agency, Division, Award #)		Proposal #	Proposal Title	Discipline	Exp.	Days Used
Luis Balicas (S)	PI	National High Magnetic	Condensed Matter	DOE	Office of Science - BES -	DE-SC0002613	P19122	⊌nderstanding the	Condensed Matter	2	21
		Field Laboratory	Experiment		Basic Energy Sciences			anomalous Hall-effect in	Physics		
Brian Casas (P)	С	National High Magnetic	Condensed Matter				/	the magnetic topological			
		Field Laboratory	Sciences				/	semi-metallic candidates			
Juan Macy (G)	С	National High Magnetic	Condensed Matter				/	Fe3GeTe2 and Fe5GeTe2			
		Field Lab	Sciences				/				
Shirin Mozaffari (P)	С	University of Tennessee,	Materials Science and				/				
=		Knoxville	Engineering							<b>⊢</b>	
Haidong Zhou (S)	PI	University of Tennessee,	Physics and Astronomy	DOE	Office of Science - BES -	DE-SC0020254	P19130	Manipulating the strong	Condensed Matter	4	27
Alexander	•	Knoxville	Division		Basic Energy Sciences		/	quantum spin fluctuations in new triangular lattice	Physics		
Alexander Brassington (G)	С	University of Tennessee, Knoxville	Physics				<i>I</i>	antiferromagnets with			
Eun Sang Choi (S)	С	National High Magnetic	Physics Department				<i>I</i>	spin-1/2			
Euil Salig Cilol (S)	C	Field Laboratory	Filysics Department				1	Spin 1/2			
Qing Huang (G)	С	University of Tennessee,	Physics								
uning ridaling (O)	·	Knoxville	Tilysics								
Kyle Noordhoek (U)	С	University of Tennessee,	Physics and Astronomy								
Ryte Hoorander (0)	·	Knoxville	1 hysics and Astronomy								
Chengkun Xing (G)	С	University of Tennessee,	Physics				11				
gg (-,	_	Knoxville	,				l 1	l (	!		
Han Zhang (P)	С	University of Tennessee,	Physics				l 1	\			
•		Knoxville	•				١ ١	\			
Krzysztof Gofryk (S)	PI	Idaho National Laboratory	Fuel Performance &	DOE	Office of Science - BES -	KG's Early	P19145	Transport and magnetic	Condensed Matter	1	4.16
			Design		Basic Energy Sciences	career award	١ ١	properties of selected d	Physics		
Xiaxin Ding (P)	С	Idaho National Laboratory	NST				١ ١	and f-electron topological			
David Graf (S)	С	National High Magnetic	DC Field CMS				١ ١	materials in high			
		Field Laboratory					<b>\</b>	magnetic fields	\		
Narayan Poudel (P)	С	Idaho National Laboratory	Nuclear Materials				\		\		
Nirmal Ghimire (S)	PI *	George Mason University	Physics and Astronomy	George Mason University	US College and University		P1916	High field magnetization	Condensed Matter	1	4.43
Hari Bhandari (G)	С	George Mason University	Physics				\	and quantum oscillations	Physics		
Peter Siegfried (P)	С	George Mason University	Physics and Astronomy				\	of metallic Kagome net			
John Singleton (S)	С	National High Magnetic	Physics				'	magnets			
		Field Laboratory						\			
Nishchal Thapa	С	George Mason University	Physics and Astronomy								
Magar (G)			BI : B : .				Dioois		2 1 114 11	<u> </u>	
Eun Sang Choi (S)	PI	National High Magnetic	Physics Department	No other support			P19217	Magnetometry instrumentation:	Condensed Matter Physics	1	7
		Field Laboratory						calibration and	Filysics		
								background			
								measurements			
Xiao-Xiao Zhang (S)	PI *	University of Florida	Physics	UCGP		Subaward	P19224	Magneto-optical	Condensed Matter	1	7
3 ( )		, , , , , , , , , , , , , , , , , , , ,	,			R000002800		investigation of Van der	Physics		
Xin Cong (P)	С	University of Florida	Physics	University of Florida	US College and University			Waals magnetic-	'		
Stephen McGill (S)	С	National High Magnetic	Condensed Matter Science	,				semiconductor	'		
		Field Laboratory						heterostructure			
Dmitry Smirnov (S)	С	National High Magnetic	Instrumentation &								
		Field Laboratory	Operations								
Mingyang Zheng (G)	С	University of Florida	Physics Department								
Henry La Pierre (S)	PI	Georgia Institute of	School of Chemistry and	Beckman Young	Other		P19236	Magnetic Properties	Chemistry	2	28
B B :	•	Technology	Biochemistry	Investigator Award				Characterization of			
Ryan Baumbach (S)	С	National High Magnetic	CMS	1				Kagome Lattice	1		
Arun Damazzthau (0)	_	Field Laboratory	Chamaitm	1				Compounds, (CH3NH3)2MM'3F12 (M =	1		
Arun Ramanathan (G)		Georgia Institute of	Chemsitry					Na+, K+ and NH4+, M' =			
		Technology		1				V3+ and Ti3+)	1		
Luis Balicas (S)	PI	National High Magnetic	Condensed Matter	DOE	Office of Science - BES -	DE-SC0002613	P19238	Unconventional	Condensed Matter	1	4.68
\-/		Field Laboratory	Experiment	1	Basic Energy Sciences	•		Topological Fermions in	Physics		
Brian Casas (P)	С	National High Magnetic	Condensed Matter	1	<del></del> -			Rh silicides and	-		
• •		Field Laboratory	Sciences	1				germanides	1		
Aikaterini Flessa	С	National High Magnetic	Condensed Matter	1					1		
Savvidou (G)		Field Laboratory		1					1		
			Materials Science and	1			I	1	1 '	1	
Shirin Mozaffari (P)	С	University of Tennessee,								, ,	
		Knoxville	Engineering								
Shirin Mozaffari (P) WenKai Zheng (G)	c c	Knoxville National High Magnetic	Engineering Condensed Matter								
WenKai Zheng (G)	С	Knoxville National High Magnetic Field Laboratory	Engineering Condensed Matter Sciences								
		Knoxville National High Magnetic	Engineering Condensed Matter	East China Normal University	Non US College and University		P19239	Probing electronic structure of topological	Condensed Matter Physics	2	14

		Daniel danie			For the Comment		D			F	Davis
		Participants (Name, Role, Org., Dept.)			Funding Sources (Funding Agency, Division, Award #)		Proposal #	Proposal Title	Discipline	Exp.	Days Used
Mykhaylo Ozerov (S)	С	National High Magnetic	Condensed Matter Science,					semimetal under			
Zeping Shi (G)	С	Field Laboratory East China Normal	DC Field CMS State Key Laboratory of					magnetic field by infrared spectroscopy			l
, -		University	Precision Spectroscopy				/	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			ı
Wenbin Wu (G)	С	East China Normal	State Key Laboratory of				/				l
Cheng Zhang (S)	С	University Fudan University	Precision Spectroscopy Institute for				/				1
		•	Nanoelectronic Devices				/		/		ı
Stuart Brown (S)	PI	University of California,	and Quantum Computing Department of Physics and	NSF	DMR - Division of Materials	DMR1709304	P19266	High field magnetic	Condensed Matter	1	14
Studit Brown (5)		Los Angeles	Astronomy	No.	Research	DI-II(1707004	1 1 200	properties of Nd2-	Physics	·	
Elizabeth Green (S)	С	National High Magnetic Field Laboratory	Condensed Matter Science					xCexCuO4			1
Arneil Reyes (S)	С	National High Magnetic Field Laboratory	Condensed Matter Science					/			1
Arkady Shehter (S)	PI	Los Alamos National	LANL MPA-MAGLAB	No other support			P19272	Heat capacity study of	Condensed Matter	3	33.72
,		Laboratory						high-temperature	Physics		l
Alimamy Bangura (S)	С	National High Magnetic Field Laboratory	CMS	NSF	DMR - Division of Materials Research	DMR1157490		superconductors across the phase diagram in high			ı
Greg Boebinger (S)	С	National High Magnetic Field Laboratory	Directors Office	NSF	DMR - Division of Materials Research	DMR1644779		magnetic fields			ı
Ross McDonald (S)	С	National High Magnetic Field Laboratory	Physics					\			
Kimberly Modic (S)	С	Institute of Science and Technology Austria	Physics				\	\			j l
Shimpei Ono (S)	С	Central Research Institute of Electric Power Industry	Materials Science Research Laboratory				\	\			
Brad Ramshaw (S)	С	Cornell University	Laboratory of Atomic and Solid State Physics				\				ı
Andreas Rydh (S)	С	Stockholm University	Department of Physics				\				1
Alimamy Bangura (S)	PI	National High Magnetic	CMS	No other support			P19273	Development of high field	Condensed Matter	1	4
Greg Boebinger (S)	С	Field Laboratory National High Magnetic Field Laboratory	Directors Office				`	calorimetry probe	Physics		
Ross McDonald (S)	С	National High Magnetic Field Laboratory	Physics							/	
Kimberly Modic (S)	С	Institute of Science and Technology Austria	Physics								
Brad Ramshaw (S)	С	Cornell University	Laboratory of Atomic and Solid State Physics								
Andreas Rydh (S)	С	Stockholm University	Department of Physics								
Arkady Shehter (S)	С	Los Alamos National Laboratory	LANL MPA-MAGLAB								1
Henry La Pierre (S)	PI	Georgia Institute of	School of Chemistry and	DOE	Office of Science - BES -	DE-SC0019385	P19275	Study of Zero Field	Biology,	3	28
Luia Amuiana	С	Technology	Biochemistry		Basic Energy Sciences			Splitting in Molecular Tb4+ Complexes by High	Biochemistry, Biophysics		
Luis Aguirre Quintana (G)	C	Georgia Institute of Technology	Chemistry and Biochemistry					Field EPR	ыорпуысь		1
Ryan Baumbach (S)	С	National High Magnetic Field Laboratory	CMS							/	
Thaige Gompa (G)	С	Georgia Institute of	School of Chemistry and								i
Samuel Greer (P)	С	Technology Los Alamos National Laboratory	Biochemistry C-PCS: PHYSICAL CHEM & APPLIED SPECTROSCOPY								
Arun Ramanathan (G)	С	Georgia Institute of Technology	Chemsitry								
Natalie Rice (G)	С	Georgia Institute of Technology	School of Chemistry and Biochemistry								
Joshua Telser (S)	С	Roosevelt University	Biological, Physical and Health Sciences								
Janice Musfeldt (S)	PI	University of Tennessee,	Department of Chemistry	DOE	Office of Science - BES -	DE-FG02-	P19343	High field spectroscopy of	Chemistry	3	9.78
Avery Blockmon (G)	С	Knoxville University of Tennessee,	Chemistry		Basic Energy Sciences	01ER45885		materials with broken symmetry and strong			
Stephen McGill (S)	С	Knoxville National High Magnetic	Condensed Matter Science					spin-orbit coupling			l
Kiman Park (G)	С	Field Laboratory University of Tennessee,	Chemistry								
		Knoxville		l			l		1		

		Participants			Funding Sources		Proposal			Ехр.	Days
		(Name, Role, Org., Dept.)			ing Agency, Division, Award #)		#	Proposal Title	Discipline	#	Used
Kang Wang (S)	PI	University of California, Los Angeles	Electrical Engineering	DOE	MSE - Materials Science and Engineering	DE-SC0012670	P19344	Transport of the quantum anomalous Hall insulators	Condensed Matter Physics	2	14
Su Kong Chong (P)	С	University of California,	Department of Electric and		and Engineering			with mesoscopic	Filysics		
		Los Angeles	Computer Engineering				/	dephasing length			
Peng Deng (P)	С	University of California, Los Angeles	Electrical engineering				/				
Chris Eckberg (G)	С	University of Maryland,	Physics				/				
David Graf (S)	С	College Park National High Magnetic	DC Field CMS				/		(		
David Oral (3)	Ü	Field Laboratory	DO FIELU CINS				/	/			
Gang Qiu (P)	С	University of California, Los Angeles (UCLA)	Electrical and Computer Engineering					/			
Lixuan Tai (G)	С	University of California,	Electrical and Computer								
D 71 (0)	•	Los Angeles	Engineering								
Peng Zhang (G)	С	University of California, Los Angeles	Electric engineering								
Qi Zhang (S)	PI	Nanjing University	Physics and Astromony	Nanjing University	Non US College and	New Faculty	P19349	Terahertz magnons,	Condensed Matter	1	3.89
Jiun-Haw Chu (S)	С	University of Washington	Physics		University	Startup Funds		phonons and magnetic phase transitions in 2D	Physics		
Mykhaylo Ozerov (S)	Ċ	National High Magnetic	Condensed Matter Science,					honeycomb			
Vinadana V., (C)	С	Field Laboratory	DC Field CMS					antiferromagnets			
Xiaodong Xu (S) Soon-Gil Jung (S)	PI *	University of Washington Sungkyunkwan University	Physics Physics	National Research	Other		P19352	Quantum Griffiths	Condensed Matter	1	5.05
		,		Foundation of Korea			١ ١	singularity in disordered	Physics		
Eun Sang Choi (S)	С	National High Magnetic Field Laboratory	Physics Department				\ \	FeSeTe thin films			
Lin Jiao (S)	С	National High Magnetic	CMS				\ \	`	\		
YounJung Jo (S)	С	Field Laboratory Kyungpook National	Physics				\				
Tourisariy 50 (5)	Ü	University	i nysics				\				
Tuson Park (S)	C	Sungkyunkwan University	Physics	Non	DUD DITT ON THE	D14D4455400	D100/0		2 1 111 11		
Stan Tozer (S)	PI	National High Magnetic Field Laboratory	Physics	NSF	DMR - Division of Materials Research	DMR1157490	P19362	Search for and an Understanding of Room	Condensed Matter Physics	1	3.79
Muhtar Ahart (S)	С	University of Illinois at	Physics					Temperature			
William Coniglio (S)	С	Chicago National High Magnetic	A1					Superconductivity			
		Field Laboratory									
Audrey Grockowiak (S)	С	National High Magnetic Field Laboratory	DC Field/CMS								
Toni Helm (P)	С	Max Planck Institute for	Physics of								
		Chemical Physics of Solids, Dresden	Quantummaterials								
Russell Hemley (S)	С	University of Illinois at	Physics								
		Chicago									
Maddury Somayazulu (S)	С	Argonne National Laboratory	Advanced Photon Source HPCAT sector 16								
David Graf (S)	PI	National High Magnetic	DC Field CMS	No other support			P19363	Two-axis rotation for DC	Condensed Matter	2	11.45
Martin Greven (S)	PI	Field Laboratory University of Minnesota,	Physics and Astronomy	DOE	Office of Science - BES -	DE-	P19371	magnetic fields Critical fields for	Physics Condensed Matter	2	12.53
		Twin Cities			Basic Energy Sciences	SC0006858		enhanced	Physics		
Shalinee Chikara (S)	С	National High Magnetic Field Laboratory	CMS, DC Field Facility					superconductivity in plastically deformed			
Lin Jiao (S)	6	National High Magnetic	CMS					SrTi03			
Damjan Pelc (P)	c	Field Laboratory University of Minnesota	School of Physics and								
•		Oniversity of Millilesuld	Astronomy								
Philip Kim (S)	PI	Harvard University	Department of Physics	DOE	Office of Science - BES -	DOE DE-	P19376	Emergent phenomena in	Condensed Matter	1	7
Onder Gul (P)	С	Harvard University	Department of Physics		Basic Energy Sciences	SC0012260		graphene heterostructures at the	Physics		
Zeyu Hao (G)	С	Harvard University	Physics					extreme quantum limit			
Antti Laitinen (P)	С	Harvard University	Department of Physics								
Yuval Ronen (P) Thomas Werkmeister	C C	Harvard University Harvard University	Physics Applied Physics								
(G)		riai vai u Olliversity	Applied Filysics								
Jonathan Zauberman	С	Harvard University	Physics								
(G) Andrew Zimmerman	С	Harvard University	Physics								
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American Exercised Scale Computer Coloration of Coloration of Coloration	Shalinee Chikara (S)	С	National High Magnetic		Scientific Research		0377		transverse thermoelectric			
Sing Photo (S) C Marthwestern University Project Control Engineering and Control Control Engineering and Control Contr	Mercouri Kanatzidis	C		Chemistry				/	material CsBi4Te6			
Story Postupathy (S) P Columbia University Physics Congenity Story Projects (S) C Register Story Postupathy (S) Physics Department Finglement (S) Company (S) Congenity Physics (S) Company (S) Compan	(S)		·	•				/				
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Turn Smart Colicion Communication of Communication Communi	Abhay Pasupathy (S)	PI	Columbia University	Physics	NSF		1420634	P19383			4	25.44
Lan Jaco (S) C Priest Laboratory (Physics Condensed Matter Physics Cond	Eun Sang Choi (S)	С		Physics Department		Engineering Centers			in 2D superconductors			
Ageons Annola (6) C Culturbal Linversity Physics Medican (7) Countries Internal Life Countries Internal Life Countries (1) C University (1) Westernal Countries (1) C University (1) Westernal Countries (1) C University (1) Westernal Countries (1) C University (1) Physics (1) C Replaced (1) C C National Medican (1) C C University (1) Physics (1) C C C University (1) Physics (1) C C C University (1) Physics (1) C C C C C C C C C C C C C C C C C C C	Lin Jiao (S)	С	National High Magnetic	CMS								
Citizeng LLIO) C University of Wisconsin, Maderials Science and Empirering Allerials Science and Empirering Materials Science and Empirering Andrews National Laboratory (Condenses Matter Physics District Andrews National Laboratory (Condenses Matter Physics District Andrews National Laboratory (Condenses Matter Physics District Andrews National Laboratory (Condenses Matter Physics District Andrews National Laboratory (Condenses Matter Physics District Andrews National Laboratory (Condenses Matter Physics District Andrews National Laboratory (Condenses Matter Physics District Andrews National Laboratory (Condenses Matter Physics District Andrews National Laboratory (Condenses Matter Physics District Andrews National Laboratory (Condenses Matter Physics District Andrews National Laboratory (Condenses Matter Physics District Andrews National Laboratory (Condenses Matter Physics District Andrews National Laboratory	Annory lindal (G)	C		Physics								
Jamel Mindes (5) C University of Wisconsin, Maderials Science and Engineering Curve (1975) (1	Zizhong Li (G)		University of Wisconsin,	Department of Materials								
Prison Tafful (S) PI Beaton College Physics D0E Office of Science - BES - DE-SC0002A13 Pythodynamic Electron Froid Laboratory Condensed Matter Physics Laboratory Physics Pied Laboratory Physics Pied Laboratory Physics D0E Office of Science - BES - DE-SC0002A13 Pythodynamic Electron Froid Laboratory Physics Pied Laboratory Physics D0E Office of Science - BES - DE-SC0002A14 Pythodynamic Electron Flow in Nibūe2 Physics D0E Office of Science - BES - DE-SC0002A14 Pythodynamic Electron Flow in Nibūe2 Physics D0E Office of Science - BES - DE-SC0002A14 Pythodynamic Electron Flow in Nibūe2 Physics D0E Office of Science - BES - DE-SC0002A14 Pythodynamic Electron Flow in Nibūe2 Physics D0E Office of Science - BES - DE-SC0002A14 Pythodynamic Electron Flow in Nibūe2 Physics D0E Office of Science - BES - DE-SC0002A14 Pythodynamic Electron Flow in Nibūe2 Physics D0E Office of Science - BES - DE-SC0002A14 Pythodynamic Electron Flow in Nibūe2 Physics D0E D0E Office of Science - BES - DE-SC0002A14 Pythodynamic Electron Flow in Nibūe2 Physics D0E D0E Office of Science - BES - DE-SC0002A14 Pythodynamic Electron Flow in Nibūe2 Physics D0E D0E Office of Science - BES - DE-SC0002A14 Pythodynamic Electron Flow in Nibūe2 Physics D0E D0E D0E D0E D0E D0E D0E D0E D0E D0E	Daniel Rhodes (S)	С	University of Wisconsin,	Materials Science and								
Laberatory Canadian (S) C Descend Calculation (Calculation of Physics Candensed Matter Experiment (Canadian Calculation of Physics Candensed Matter Experiment (Canadian Calculation of Physics Candensed Matter Calculation (Canadian Calculation of Canadian Calculation Calculation Calculation Calculation Calculation Canadian Calculation Calcul												
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Condensed Matter Physics   Condensed Matter Ph	Luis Balicas (S)	С						\	\			
Newsy Surkov (S)   C   National High Magnetic   Field Laboratory   Physics   Condensed Matter Physics   DE-SC0012704   Physics   Condensed Matter Physics   DE-SC0012704	Shirin Mozaffari (P)	С						\	\			
August 1976   C.   Boston College   Physics   Processing   Processin	Alexey Suslov (S)	С	National High Magnetic					\	`			
Laboratory Fernando Camino (S) C Brockhaven National Laboratory Spencer Gibbs (U) C University of Pennsylvania Condensed Matter Physics and Materials Science Office of Science - HEP - High Energy Physics - Condensed Matter Physics - High Energy Physics - Condensed Matter Physics - Physics - Condensed Matter Physics - Physics - Condensed Matter Physics - Physics - Condensed Matter Physics - Physics - Condensed Matter Physics - Physics - Condensed Matter Physics - Physics - Condensed Matter Physics - Physics - Condensed Matter Physics - Physics - Condensed Matter Physics - Physics - Condensed Matter Physics -	Hung-Yu Yang (G)	С		Physics				\				
Certament Camino (S) C L Brookhaven National Loboratory Nanomaterials Science Author Physics and Materials Science Propriet Laboratory Scholars (Condensed Matter Physics Laboratory Scholars) Condensed Matter Physics Laboratory Scholars (Condensed Matter Physics Laboratory Scholars) Condensed Matter Physics Laboratory Scholars (Condensed Matter Physics Laboratory Scholars) Condensed Matter Physics Laboratory Scholars (Condensed Matter Physics Laboratory Scholars) Condensed Matter Physics Laboratory Scholars (Condensed Matter Physics Laboratory Scholars) Condensed Matter Physics Laboratory Scholars (Condensed Matter Physics Laboratory Scholars) Condensed Matter Physics (Condensed Matter Physics Laboratory Scholars) Condensed Matter Physics (Condensed Matter Physics Laboratory Scholars) Condensed Matter Physics (Condensed Matter) (Condensed Ma	Cedomir Petrovic (S)	PI		Condensed Matter Physics	DOE		DE-SC0012704	P19385		Biology, Biochemistry.	3	21.61
Dianheng Du (G) C Brookhaven National Laboratory and Materials Science Observed (S) C University of Pennsylvania David Graf (S) C National High Magnetic Field Laboratory Condensed Matter Physics Laboratory Condensed Matter Physics Laboratory Condensed Matter Physics Laboratory Condensed Matter Physics Laboratory Condensed Matter Physics Laboratory Condensed Matter Physics Laboratory Condensed Matter Physics Laboratory Condensed Matter Physics Laboratory Condensed Matter Physics Laboratory Condensed Matter Physics CSMM, MSE DE DE Office of Science - HEP - DE-SC0013849 P19371 High Field Transport in Terrary and Quaternary APC Type National High Magnetic Field Laboratory Condensed Matter Physics CSMM, MSE DE DE Office of Science - HEP - DE-SC0013849 P19371 High Field Transport in Terrary and Quaternary APC Type National High Magnetic Field Laboratory Condensed Matter Physics CSMM, MSE DE DE Office of Science - HEP - DE-SC0013849 P19371 High Field Transport in Terrary and Quaternary APC Type National High Magnetic Field Laboratory Conductors with Increased Engineering Jean Stability Conductors with Increased Engineering Jean Stabil	Fernando Camino (S)	С	Brookhaven National			<b>3,</b>		\	anisotropy in correlated			
Spencer Gibbs (U) C University of Pennsylvania David Graf (S) C Pennsylvania David Graf (S) C Pennsylvania David Graf (S) C Pennsylvania David Graf (S) C Pennsylvania David Graf (S) C Pennsylvania David Graf (S) C Pennsylvania David Graf (S) C Defield Laboratory David Magnetic Field Laboratory David Graf (S) C Brookhaven National Laboratory Dedomir Petrovic (S) C Brookhaven National Laboratory Dedomir Petrovic (S) C Brookhaven National David Graf (S) C Brookhaven National David Graf (S) C Brookhaven National David Graf (S) C Brookhaven National David Graf (S) C Brookhaven National David Graf (S) C Brookhaven National David Graf (S) C Brookhaven National David Graf (S) C Perin National High Magnetic Field Laboratory David Graf (S) C Perin National Magnet System Accelerator Laboratory David Graf (S) C Perin National Magnet System Accelerator Laboratory David Graf (S) C Perin National Magnet System Accelerator Laboratory David Graf (S) C Dolio State University David Graf (S) C Dolio State University Physics DDE DE DE-SC0020187 Basic Energy Science BES - DE-SC0020187 Basic Energy Science BES - DE-SC0020187 Basic Energy Science BES - DE-SC0020187 Basic Energy Science DV De Divided (S) C Dolio State University David Graf (S) C Dolio State University Physics David Operations Physics David Graf (S) C Dolio State University David (S) C Dolio State University David Graf (S) C Dolio State University David (S) C Dolio State University David (S) C Dolio State University David (S) C Dolio State University David (S) C Dolio State University David (S) C Dolio State University Physics David (C) C Dolio State University David (S) C Dolio State University Physics David (C) C Dolio State Unive	Qianheng Du (G)	С	Brookhaven National	Condensed Matter Physics								
David Graf (S) C National High Magnetic Field Laboratory Physics Physi	Spencer Gibbs (U)	С	University of									
Condensed Matter Physics   Condensed Matter Science Physics   Condensed Matter Science Physics   Condensed Matter Physics   Condensed Matter Physics   Condensed Matter Physics   Condensed Matter Physics   Condensed Matter Physics   Condensed Matter Physics   Condensed Matter Physics   Condensed Matter Physics   Condensed Matter Physics   Condensed Matter Physics   Condensed Matter Physics   Condensed Matter Physics   Condensed Matter Physics   Condensed Matter Physics   Condensed Matter Physics   Condensed Matter Physics   Condensed Matter Physics   Con	David Graf (S)	С	National High Magnetic	DC Field CMS								
Cedomir Petrovic (S)   C   Brookhaven National   Condensed Matter Physics   Laboratory	Zhixiang Hu (G)	С	Brookhaven National	Condensed Matter Physics								
Mike Sumption (S) PI Ohio State University CSMM, MSE DE Office of Science - HEP - High Endr Tansport in Ternary and Quaternary APC type Nb3Sn Conductors with Increased Engineering Je and Stability Physics Physics Office of Science - BES - Basic Energy Sciences  Ohio State University Physics  Ohio State Univer	Cedomir Petrovic (S)	С	Brookhaven National	Condensed Matter Physics								
Jan Jaroszynski (S)   C   National High Magnetic Field Laboratory   Materials Science Magnet System   Materials Science Single Symmetry-broken phases and topological phenomena in Layered quantum materials   MR1922076   MSF   DMR - Division of Materials DMR1807928   DMR - Division of Materials DMR1807928   DMR - Division of Material	Mike Sumption (S)	PI		CSMM, MSE	DOE		DE-SC0013849	P19391		Magnets, Materials	1	5.57
Accelerater (G) C Ohio State University (Increased Engineering Je and Stability Stem Materials Science Magnet System Materials Science Magnet System Materials Science Magnet System Materials Science Magnet System Materials Accelerator Laboratory Department of Physics and Astronomy Astronomy Astronomy Physics Ohio State University Physics NSF DMR - Division of Materials DMR1922076 Research DMR - Division of Materials DMR1922076 Research DMR - Division of Materials DMR1807928 And topological phenomena in layered quantum materials DMR1807928 DE-SC0020187 DE-SC0	Jan Jaroszynski (S)	С		CMS		nigii Ellergy Filysics			APC type Nb3Sn			
Accelerator Laboratory  Accelerator Laboratory  Accelerator Laboratory  Accelerator Laboratory  Accelerator Laboratory  Accelerator Laboratory  Accelerator Laboratory  Accelerator Laboratory  Accelerator Laboratory  Accelerator Laboratory  Accelerator Laboratory  Accelerator Laboratory  Accelerator Laboratory  Accelerator Laboratory  Accelerator Laboratory  Accelerator Laboratory  Department of Physics and Astronomy  Astronomy  Astronomy  Astronomy  Astronomy  Astronomy  Astronomy  Astronomy  Astronomy  Accelerator Laboratory  Department of Physics and Astronomy  As	Jacob Rochester (G)	С		Materials Science					Increased Engineering Je			
Chun Ning (Jeanie) PI Ohio State University Department of Physics and Astronomy Physics NSF DMR - Division of Materials Research DMR - Division of Materials DMR1922076 Physics DMR - Division of Materials DMR1922076 Physics DMR - Division of Materials DMR1922076 Physics DMR - Division of Materials DMR1922076 Physics DMR - Division of Materials DMR1922076 Physics DMR - Division of Materials DMR1922076 Physics DMR - Division of Materials DMR19728 Physics DE-SC0020187 Ph	Xingchen Xu (S)	С		Magnet System					and Stability			
Activity Physics  Autivation (G)  C  Ohio State University  Physics  Ohio State University  Physics  DOE  Office of Science - BES - DE-SC0020187  Basic Energy Sciences  DE-SC0020187  Basic Energy Sciences  DE-SC0020187  Basic Energy Sciences  DE-SC0020187  Basic Energy Sciences  Physics  Operations  Instrumentation & Field Laboratory  Operations  Opera	Chun Ning (Jeanie)	PI			NSF		DMR1922076	P19392			5	31.4
Artijit Gupta (G) C Ohio State University Physics DE Office of Science - BES - Basic Energy Sciences  DE-SC0020187  Basic Energy Sciences  De-Sc0020187  Basic Energy Sciences  De-Sc0020187	Xueshi Gao (G)	6	Ohio State University		NSF	DMR - Division of Materials	DMR1807928		phenomena in layered	rnysics		
Omitry Shcherbakov C Ohio State University Physics (G) Omitry Smirnov (S) C National High Magnetic Instrumentation & Field Laboratory Operations  Haidong Tian (G) C Ohio State University Physics Offeneng Zhang (G) C Ohio State University Physics Ohio State University Physics Ohio State University Physics Ohio State University Physics Ohio State University Physics Ohio State University Physics Ohio State University Physics Ohio State University Physics Ohio State University Physics Ohio State University Physics Ohio State University Physics Ohio State University	Yulu Liu (G)	С	Ohio State University	Physics	DOE	Office of Science - BES -	DE-SC0020187		quantum materials			
Omitry Smirnov (S) C National High Magnetic Field Laboratory Operations  Haidong Tian (G) C Ohio State University Physics  Oneng Zhang (G) C Ohio State University Physics  Wan Kyu Park (S) PI National High Magnetic Field Laboratory  Arrijit Gupta (G) C Florida State University Physics  Arrijit Gupta (G) C National High Magnetic CMS  Nan Kyu Park (S) PI National High Magnetic Condensed Matter Science Physics  Arrijit Gupta (G) C National High Magnetic CMS	Dmitry Shcherbakov (G)	С	Ohio State University	Physics		233.0 E.iorgy Sciences						
Haidong Tian (G) C Ohio State University Physics Sreyson Voigt (G) C Ohio State University Dept of Physics Cheneng Zhang (G) C Ohio State University Physics Wan Kyu Park (S) Pl National High Magnetic Condensed Matter Science Field Laboratory Arijit Gupta (G) C Florida State University Physics Arijit Gupta (G) C National High Magnetic CMS  Robert Huber (U) C National High Magnetic CMS	Dmitry Smirnov (S)	С	Field Laboratory									
Zheneng Zhang (G) C Ohio State University Physics   Condensed Matter Science   UCGP   TBD   P19398   Electron Tunneling   Condensed Matter   1 2.88   Spectroscopy under High   Physics   Spectroscopy under High   Physics   Spectroscopy under High   Magnetic   CMS   Magnetic   CMS   Spectroscopy under High   Physics	Haidong Tian (G)		Ohio State University									
Wan Kyu Park (S) PI National High Magnetic Condensed Matter Science Field Laboratory Condensed Matter Science Field Laboratory Physics  Arijit Gupta (G) C Florida State University Physics  Robert Huber (U) C National High Magnetic CMS	Greyson Voigt (G)		Ohio State University	Dept of Physics								
Field Laboratory  Arijit Gupta (G) C Florida State University Physics  Robert Huber (U) C National High Magnetic CMS  Spectroscopy under High Magnetic Fields  Magnetic Fields	Zheneng Zhang (G)				ļ							
Robert Huber (U) C National High Magnetic CMS	Wan Kyu Park (S)		Field Laboratory	Condensed Matter Science	UCGP		TBD	P19398	Spectroscopy under High		1	2.88
	Arijit Gupta (G)				1				Magnetic Fields			
	Robert Huber (U)	C	National High Magnetic Field Laboratory	CMS								

		Participants			Funding Sources		Proposal			Ехр.	Days
		(Name, Role, Org., Dept.)		(Fundin	g Agency, Division, Award #)		#	Proposal Title	Discipline	#	Used
Philip Kim (S)	С	Harvard University	Department of Physics								İ
Seongshik Oh (S)	С	Rutgers University, New	Physics and Astronomy					/			l
		Brunswick						1			l
Joon Young Park (P)	С	Harvard University	Physics				/				l
Shengzhi Zhang (P)	С	Los Alamos National	MPA-MAGLAB: MPA-MAG				/				l
A V (C)	DI.	Laboratory	LAB NHMFL GROUP	DOE	Office of Science - BES -	DE CC001010	Dinaho	Fraincesine Nevel	Condensed Metter		5
Amir Yacoby (S)	PI	Harvard University	Physics and Applied	DOE		DE-SC001819	P193 <b>9</b> 9	Engineering Novel	Condensed Matter	1	٥ ا
Onder Gul (P)	С	Harvard University	Physics Department of Physics	Gordon and Betty Moore	Basic Energy Sciences US Foundation		/	Topological Phases in Graphene	Physics		İ
Officer Gut (P)	C	nai vai u Ollivei Sity	Department of Physics	Foundation	OS FOUNDATION		/	Heterostructures			İ
Zeyu Hao (G)	С	Harvard University	Physics	- Canadion			/	/			l
Philip Kim (S)	C	Harvard University	Department of Physics				/	/			l
Antti Laitinen (P)	C	Harvard University	Department of Physics				1	/			l
Seung Hwan Lee (G)	C	Harvard University	Physics				1	/			l
Yuval Ronen (P)	C	Harvard University	Physics				1				l
Thomas Werkmeister	С	Harvard University	Applied Physics								l
(G)		,	,,,,,,								İ
Qi Yang (G)	С	Stanford University	Physics								İ
Andrew Zimmerman	С	Harvard University	Physics				1	1			l
(P)											
Johnpierre Paglione	PI	University of Maryland,	Center for Nanophysics	NSF	DMR - Division of Materials	DMR1905891	19400	Study of Multiple	Condensed Matter	3	15.97
(S)		College Park	and Advanced Materials,		Research		١ ١	Superconducting phases	Physics		İ
	_		Department of Physics				١ ١	and Fermi Surface in			İ
Nicholas Butch (S)	С	National Institute of	NIST Center for Neutron				١ ١	Spin-Triplet			İ
		Standards and Technology MD	Research				١ ١	Superconductor UTe2			İ
Yun Suk Eo (G)	С		Dhysias Department				\	\			İ
David Graf (S)	C	University of Michigan National High Magnetic	Physics Department DC Field CMS				\		\		İ
David Graf (3)	C	Field Laboratory	DC FIELD CM3				\				İ
Wen-Chen Lin (G)	С	University of Maryland,	physics				\				İ
Well-Offer Lift (0)	·	College Park	physics				\				İ
I-LIn Liu (G)	С	University of Maryland,	Chemical Physics				`	(			İ
	_	College Park	,								l
Sheng Ran (S)	С	Washington University in	Physics								1
•		St. Louis	•								l
Shanta Saha (P)	С	University of Maryland,	Physics								l
		College Park									l
Prathum Saraf (G)	С	University of Maryland,	Physics								İ
		College Park									1
Danila Sokratov (G)	С	University of Maryland,	Physics								l
71. 1. (6)	- Di	College Park	C	DOE	o#: 10: DE0	DE 5000	D40 / 04		0 1 111 11	<del></del>	<del>-</del>
Zhigang Jiang (S)	PI	Georgia Institute of	School of Physics	DOE	Office of Science - BES -	DE-FG02-	P19401	Magneto-infrared	Condensed Matter	1	7
Seongphill Moon (G)	С	Technology National High Magnetic	Dhysics		Basic Energy Sciences	07ER46451		Spectroscopy Study of Emerging Topological	Physics		l
Seongphill Moon (6)	C	Field Laboratory	Physics					Materials with Layered			İ
Mykhaylo Ozerov (S)	С	National High Magnetic	Condensed Matter Science,					Structures			İ
myklidyto ozerov (5)	Ü	Field Laboratory	DC Field CMS								l
Dmitry Smirnov (S)	С	National High Magnetic	Instrumentation &								l
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Tianhao Zhao (G)	С	Georgia Institute of	School of Physics								i
		Technology							<u> </u>	<u> </u>	
YounJung Jo (S)	PI	Kyungpook National	Physics	National Research	Non US Foundation		P19408	Topological transport of	Condensed Matter	1	5.73
		University		Foundation of Korea				Half-metallic Weyl	Physics		1
Eun Sang Choi (S)	C	National High Magnetic	Physics Department					semimetal candidates			1
	•	Field Laboratory	<b>5</b>					1			1
Joonyoung Choi (G)	С	Kyungpook National	Physics					1			1
James Hone (S)	DI	University	Machanias Francasias	DOE	Office of Colores DEC	DE CC001/702	D10 /11	Completed states in 2D	Condensed Matter	2	15.27
James Hone (5)	PI	Columbia University	Mechanical Engineering	DOE	Office of Science - BES - Basic Energy Sciences	DE-SC0016703	P19411	Correlated states in 2D semiconducting transition	Physics	3	15.36
Luis Balicas (S)	С	National High Magnetic	Condensed Matter		Dasic Lifer by Sciences			metal dichalcogenide	i ilyaica		1
Ears Daticas (3)	Ü	Field Laboratory	Experiment					heterostructures under			1
Cory Dean (S)	С	City College of New York	Physics					high magnetic fields			i
Qianhui Shi (\$)	C	University of California,	Physics								i
(5)	-	Los Angeles	,					1			1
	С	Columbia University	Physics					1			1
En-Min Shih (G)	C										
En-Min Shih (G) Yihang Zeng (G)	C	Columbia University	Physics								
				DOE	Office of Science - BES -	DE-FG02-	P19412	Electrical and magnetic	Condensed Matter	2	8.9

		Participants			Funding Sources		Proposal		· · ·	Ехр.	Days
		(Name, Role, Org., Dept.)			Funding Agency, Division, Award #)		#	Proposal Title	Discipline	#	Used
Zhigang Jiang (S)	С	Georgia Institute of Technology	School of Physics	DOE	Office of Science - BES - Basic Energy Sciences	DE- FG02- 07ER46451		processes in atomicallythin layers and			I
Chun Ning (Jeanie)	С	Ohio State University	Department of Physics and		busic Energy Sciences	0721140401		van der Waals			l
Lau (S)			Astronomy				/	heterostructures			I
Zhengguang Lu (G)	С	National High Magnetic Field Laboratory	Physics				/				I
Seongphill Moon (G)	С	National High Magnetic	Physics				/				I
		Field Laboratory					/		r		l
Mykhaylo Ozerov (S)	С	National High Magnetic Field Laboratory	Condensed Matter Science, DC Field CMS				/	/			I
Sufei Shi (S)	С	Rensselaer Polytechnic	Chemical and Biological				/	/			I
1: 5:11 (6)	ъ.	Institute	Engineering	N. II					0 1 111 11		
Irina Drichko (S)	PI	Ioffe Physical-Technical Institute of the Russian	Physics of Semiconductors and Dielectrics	No other support			19427	Magnetotransport Properties of High-	Condensed Matter Physics	1	14
		Academy of Sciences						Mobility p-	,		I
Loren Pfeiffer (S)	С	Princeton University	Electrical Engineering					AlGaAs/GaAs/AlGaAs Structures: Acoustic			I
Ivan Smirnov (S)	С	Ioffe Physical-Technical Institute of the Russian	Physics of Semiconductors and Dielectrics					Studies.			I
		Academy of Sciences									I
Alexey Suslov (S)	С	National High Magnetic	Condensed Matter Science					\ \			l
Ken West (S)	С	Field Laboratory Princeton University	Princeton Institute for the					\			I
	_	· · · · · · · · · · · · · · · · · · ·	Science and Technology of				١ ١	\			l
Sara Haravifard (S)	PI	Duke University	Materials  Department of Physics	NSF	DMR - Division of Materials	DMR1828348	P19445	High Pressure Studies of	Condensed Matter	2	14
Sala Halavilalu (S)	FI	Duke Oniversity	Department of Physics	NSF	Research	DMR1020340	P1V445	Frustrated Magnets	Physics	2	14
Rabindranath Bag (P)	С	Duke University	Physics	Duke University	<b>US College and University</b>		\ \	\	,		l
Sachith Dissanayake	С	Duke University	Physics				\				I
(P) Matthew Ennis (G)	С	Duke University	Physics				\				I
David Graf (S)	C	National High Magnetic	DC Field CMS				\				I
Latinya dan (O)	•	Field Laboratory	Discoving				\				I
Lalit Yadav (G) Jan Jaroszynski (S)	C PI	Duke University National High Magnetic	Physics CMS	UCGP		5206	P19446	Torque acting on REBCO	Magnets, Materials	4	14.65
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Ernesto Bosque (S)	С	National High Magnetic	ASC/MST					external magnetic field			l
Griffin Bradford (0)	С	Field Laboratory National High Magnetic	Applied Superconductivity								I
ormin Braurora (o)	ū	Field Laboratory	Center								l
Ashleigh Francis (T)	С	National High Magnetic	ASC								l
Jonathan Lee (G)	С	Field Laboratory National High Magnetic	Applied Superconductivity								l
		Field Laboratory	Center								l
Aixia Xu (0)	C	Florida State University	ASC				D40 / / P				4.55
Tomasz Klimczuk (S)	PI *	Gdansk University of Technology	Department of Applied Physics	National Science Agen	cy Non US College and University		P19447	Magnetotransport in Pt_5P2	Condensed Matter Physics	1	1.75
Shintaro Ishiwata (S)	С	Osaka University	Department of Materials		,			-			l
lan largeryngki (C)	С	National High Magnetic	Engineering Science CMS								I
Jan Jaroszynski (S)	C	Field Laboratory	CM3								I
Keshav Shrestha (S)	PI	Texas A&M University	Chemistry and Physics	Killgore Faculty Grant	Other	NA	P19467	Search of Topological	Condensed Matter	1	3.01
Ramakanta Chapai (P)	С	Argonne National Laboratory	Materials Science Division					Phases of Materials	Physics		I
David Graf (S)	С	National High Magnetic	DC Field CMS								l
		Field Laboratory									İ
Bal Pokharel (G)	С	National High Magnetic Field Laboratory	Physics								I
Dragana Popovic (S)	С	National High Magnetic	Condensed Matter Science								I
		Field Laboratory	/ Experimental	Western W.	10.001100000000000000000000000000000000		D10 (T0	Charles (1) and the	0 1 111		
Sheng Ran (S)	PI *	Washington University in St. Louis	Physics	Washington University St. Louis	in US College and University		P19470	Study of high magnetic field induced	Condensed Matter Physics	1	5.59
David Graf (S)	С	National High Magnetic	DC Field CMS	254.5				superconductivity and	,		İ
Lin Bay (C)	DI	Field Laboratory	0110	No. alternation			D40 / 00	Fermi surface of UTe2	0		
Lin Jiao (S)	PI	National High Magnetic Field Laboratory	CMS	No other support			P19480	High Magnetic Field Probe Design and Technique	Condensed Matter Physics	1	2
Ryan Baumbach (S)	С	National High Magnetic	CMS					Development	,		İ
Talal Mallah (S)	PI	Field Laboratory	ICMMO	No other surrent			P19496		Magneta Meterial	2	21
ratat Mattan (S)	\PI	University of Paris-Sud	ICMM0	No other support			P17476		Magnets, Materials		

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		Participants (Name, Role, Org., Dept.)		(Fundi	Funding Sources ng Agency, Division, Award #)		Proposal #	Proposal Title	Discipline	Exp. #	Days Used
Brittany Grimm (G) Stephen Hill (S)	C	Florida State University National High Magnetic Field Laboratory	Physics EMR					Electronic structure of magnetic Ni(II) complexes			
Mykhaylo Ozerov (S)	С	National High Magnetic Field Laboratory	Condensed Matter Science, DC Field CMS				/	as potential quantum bits			
Guangxin Ni (S) Sirak Mekonen (G)	PI * C	Florida State University Johns Hopkins University	Physics Department of Physics and	No other support			P19501	Optical investigation of spin-triplet	Condensed Matter Physics	1	7
Youcheng Wang (P)	С	National High Magnetic Field Laboratory	Astronomy NHMFL					superconductor candidate UTe2 in high magnetic fields	<b>/</b> ,		
Sergey Suchalkin (S)	PI	State University of New York at Stony Brook	Electrical and Computer Engineering	NSF	DMR - Division of Materials Research	DMR1809708	P 9506	Band structure of semiconductor alloys with	Condensed Matter Physics	1	7
Mykhaylo Ozerov (S)	С	National High Magnetic Field Laboratory	Condensed Matter Science, DC Field CMS		Research			engineered nanoscale ordering	i nysics		
Yining Huang (S)	PI	University of Western Ontario	Chemistry	NSERC of Canada	Other		P19515	170 and 91Zr solid-stale NMR of metal-organic	Chemistry	1	4
Zhehong Gan (S)	С	National High Magnetic Field Laboratory	NHMFL					frameworks at 35.2 T			
Ivan Hung (S)	С	National High Magnetic Field Laboratory	CIMAR/NMR								
Vinicius Martins (G)	С	University of Western Ontario	Chemistry					\			
Tim Cross (S)	PI	National High Magnetic Field Laboratory	NHMFL/Chemistry & Biochemistry	NIH	NIGMS - National Institute of General Medical Sciences	GM122698	A19516	Structural Characterization of SARS- CoV-2 E protein in lipid	Biology, Biochemistry, Biophysics	1	5
Riqiang Fu (S)	С	National High Magnetic Field Laboratory	NMR				\	bilayer with Solid-State NMR			
Huajun Qin (T) Rongfu Zhang (P)	C C	Florida State University National High Magnetic	Chemistry & Biochemistry NHMFL				\				
• • • • • • • • • • • • • • • • • • • •		Field Laboratory									
Jeffrey Long (S)	PI -	University of California, Berkeley	Chemistry	NSF	CHE - Chemistry	CHE1800252	P19520	Hard Permanent Magnetism from Mixed-	Chemistry	1	4.17
Eun Sang Choi (S)	С	National High Magnetic Field Laboratory	Physics Department					Valence Dilanthanide Complexes with Metal-			
Colin Gould (G)	C	University of California, Berkeley	Chemistry					Metal Bonding		/	
Danielle Laurencin (S)	PI	University of Montpellier	Institut Charles Gerhardt de Montpellier	European Research Council	Other		P19531	Identification of interfacial bonding environments in	Chemistry	1	2
Christian Bonhomme (S)	С	Pierre and Marie Curie University	Laboratoire de Chimie de la Matière Condensée					functional nanomaterials and biomaterials using			
Zhehong Gan (S)	С	National High Magnetic Field Laboratory	NHMFL					high resolution solid state NMR at (ultra)-high fields			
Christel Gervais (S)	С	Sorbonne University	Laboratoire de Chimie de la Matière Condensée					Time at (attra) mg/l atta			
leva Goldberga (P)	С	French National Center for Scientific Research	Institut Charles Gerhardt de Montpellier								
Ivan Hung (S)	С	National High Magnetic Field Laboratory	CIMAR/NMR								
Joseph Checkelsky (S)	PI	Massachusetts Institute of Technology	Physics	NSF	DMR - Division of Materials Research	DMR1231319	P19540	High Field Studies of Novel Layered Materials	Condensed Matter Physics	3	21.8
Maximilien Debbas (G)	С	Massachusetts Institute of Technology	Physics					,	,		
Aravind Devarakonda (P)	6	Columbia University	Physics								
David Graf (S)	С	National High Magnetic Field Laboratory	DC Field CMS								
Minyong Han (G)	С	Massachusetts Institute of Technology	Physics								
Caolan John (G)	С	Massachusetts Institute of Technology	Physics								
Paul Neves (G)	С	Massachusetts Institute of Technology	Physics								
Mallika Randeria (P)	С	Massachusetts Institute of Technology	Physics								
Junbo Zhu (G)	С	Massachusetts Institute of Technology	Physics								
Yangmu Li (P)	PI *	Brookhaven National Laboratory	CMPMS	DOE	MSE - Materials Science and Engineering	DE-SC0012704	P19556		Condensed Matter Physics	2	14
									-		

		Participants			Funding Sources		Proposal	Proposal Title	Discipline	Ехр.	Days
David Graf (S)	С	(Name, Role, Org., Dept.) National High Magnetic	DC Field CMS	(Fundin	g Agency, Division, Award #)		#	/ roposat ritte	Discipulie	#	Used
David Graf (5)	C	Field Laboratory	DC FIELU CMS								
Bal Pokharel (G)	С	National High Magnetic	Physics				/				
Dragana Popovic (S)	С	Field Laboratory National High Magnetic Field Laboratory	Condensed Matter Science / Experimental				/	Axion Transport in Topological Kagome			
John Tranquada (S)	С	Brookhaven National	Condensed Matter Physics				/	Superconductors			
Youcheng Wang (P)	С	Laboratory National High Magnetic	and Materials Science NHMFL				/		<b>′</b>		
Toucheng Wang (F)	C	Field Laboratory	NUML					/			
Yuxin Wang (G)	С	Florida State University	CMS								
Sara Haravifard (S)	PI	Duke University	Department of Physics	NSF	DMR - Division of Materials Research	DMR1828348	F19562	Thermal Properties of Frustrated Magnets	Condensed Matter Physics	1	21
Eun Sang Choi (S)	С	National High Magnetic Field Laboratory	Physics Department					Traditional magnets	,o.oo		
Sachith Dissanayake (P)	С	Duke University	Physics								
Zhenzhong Shi (S)	С	Soochow University	School of Physical Science								
			and Technology & Institute for Advanced Study					\ \			
Zahid Hasan (S)	PI	Princeton University	Physics	DOE	Office of Science - BES -	DE-FG-02-	P19566	Magnetotransport studies	Condensed Matter	3	16.45
Luis Balicas (S)	С	National High Magnetic	Condensed Matter	Gordon and Betty Moore	Basic Energy Sciences US Foundation	05ER46200 GBMF4547	<b> </b>	of topological magnets under hydrostatic	Physics		
Luis Balicas (5)	C	Field Laboratory	Experiment	Foundation	US Foundation	GBMF4347	١ ١	pressure			
Md Shafayat Hossain (P)	С	Princeton University	Physics				\	\			
Qi Zhang (P)	С	Princeton University	Physics				\	\			
David Mandrus (S)	PI	University of Tennessee,	Materials Science and	Gordon and Berry Moore	Other	GBMF9069	P19572	Topological Hall Effect in	Condensed Matter	1	5.84
Luis Balicas (S)	С	Knoxville National High Magnetic	Engineering Condensed Matter				\	Kagome Lattice Materials	Physics		
	Ü	Field Laboratory	Experiment				\				
Shirin Mozaffari (P)	С	University of Tennessee, Knoxville	Materials Science and Engineering				\	\			
Michael Shatruk (S)	PI	National High Magnetic	Department of Chemistry	NSF	CHE - Chemistry	CHE1955754	P19599	nvestigation of Low-	Magnets, Materials	2	14
Luis Delises (C)	0	Field Laboratory	and Biochemistry					Dimensional Magnetism in			
Luis Balicas (S)	С	National High Magnetic Field Laboratory	Condensed Matter Experiment					Inorganic and Organic Materials			
Ryan Baumbach (S)	С	National High Magnetic Field Laboratory	CMS								
Sandugash Yergeshbayeva (G)	С	Florida State University	Chemistry and Biochemistry								
Jaewook Kim (P)	PI *	Korea Atomic Energy Research Institute	Advanced Materials Group	Korea Atomic Energy Research Institute	Non US Government Lab		P19610	Study of high spin quantum magnetism in	Condensed Matter Physics	1	7
Eun Sang Choi (S)	С	National High Magnetic Field Laboratory	Physics Department	research monace				triangular lattice antiferromagnets	1 Hysics		
Seongsu Lee (P)	С	Rutgers University, New Brunswick	Physics Department					•			
Tim Murphy (S)	PI	National High Magnetic Field Laboratory	Operations	No other support			P19611	Testing of DCFF magnets, power supplies and	Condensed Matter Physics	3	19.89
Alimamy Bangura (S)	С	National High Magnetic Field Laboratory	CMS					associated equipment	rilysics		
Troy Brumm (T)	С	National High Magnetic Field Laboratory	DC Field								
Robert Nowell (T)	C	National High Magnetic Field Laboratory	DC User Support								
Andy Powell (S)	С	National High Magnetic Field Laboratory	Operations								
Julia Smith (S)	С	National High Magnetic Field Laboratory	DC Field								
Eric Stiers (0)	С	National High Magnetic Field Laboratory	DC Field								
Sujana Sri Venkat Uppalapati (0)	С	National High Magnetic Field Laboratory	DC Field Facility								
Vikram Deshpande (S)	PI	University of Utah	Physics & Astronomy	NSF	DMR - Division of Materials Research	DMR1936383	P19613	Quantum Transport in Intrinsic Magnetic	Condensed Matter Physics	1	7
Su Kong Chong (P)	С	University of California, Los Angeles	Department of Electric and Computer Engineering					Topological Insulators			

		Participants			Funding Sources		Proposal			Ехр.	Days
		(Name, Role, Org., Dept.)		(Fundi	ng Agency, Division, Award #)		#	Proposal Title	Discipline	# #	Used
Jan Jaroszynski (S)	С	National High Magnetic Field Laboratory	CMS								
Seng Huat Lee (S)	С	Pennsylvania State University	Physics				/				
Zhiqiang Mao (S)	С	Pennsylvania State University	Department of Physics								
Amit Vashist (P)	С	University of Utah	Department of Physics & Astronomy								
Kang Wang (S)	С	University of California, Los Angeles	Electrical Engineering								
Pengcheng Dai (S)	PI	University of Tennessee, Knoxville	Physics	DOE	Other	D0E-SC0012311	P 9614	Magnetoresistance in detwinned BaFe2As2	Condensed Matter Physics	1	2.54
Luis Balicas (S)	С	National High Magnetic Field Laboratory	Condensed Matter Experiment					/			
Kelly Neubauer (G)	С	Rice University	Physics & Astronomy								
Cui-Zu Chang (S)	PI *	Pennsylvania State University	Physics	DOE	Office of Science - BES - Basic Energy Sciences	DE-SC0019064	P19615	Quantum Anomalous Hall Sandwiches Under High	Condensed Matter Physics	1	5
Hemian Yi (P)	С	Pennsylvania State University	Department of physics		3,			Magnetic Fields			
RuoXi Zhang (G)	С	Pennsylvania State University	Physics					\			
Yi-Fan Zhao (G)	С	Pennsylvania State University	Physics					\			
Valentin Taufour (S)	PI *	University of California, Davis	Physics Department	University of California, Davis	US College and University		P19616	High Magnetic Field Studies of Co-based	Condensed Matter Physics	1	7
Eun Sang Choi (S)	С	National High Magnetic Field Laboratory	Physics Department				\	Materials	, , , ,		
Audrey Grockowiak (S)	С	National High Magnetic Field Laboratory	DC Field/CMS				\				
Peide Ye (S)	PI	Purdue University	School of Electrical and Computer Engineering	NSF	EFMA - Emerging Frontiers and Multidisciplinary Activities	EFMA1433459	P19617	Quantum transport in n- type chiral semiconductor Tellurene	Condensed Matter Physics	2	11.36
Chang Niu (G)	С	Purdue University	Electrical and Computer Engineering								
Zhuocheng Zhang (G)	С	Purdue University	Electrical and Computer Engineering							/	
Jun Zhu (S)	PI	Pennsylvania State University	Physics	NSF	DMR - Division of Materials Research	DMR1904986	P19619	Valley Isospin-Driven Correlated Phenomena in	Condensed Matter Physics	3	28
Hailong Fu (P)	С	Pennsylvania State University	Physics					Bilayer Graphene	, 6.65		
Ke Huang (G)	С	Pennsylvania State University	Physics								
Le Yi (G)	С	Pennsylvania State University	Physics								
Lu Li (S)	PI	University of Michigan	Physics	DOE	Office of Science - BES -	DE-SC0020184	P19627	Search for novel	Condensed Matter	6	35.44
Aaron Chan (G)	С	University of Michigan	Department of Physics	NSF	Basic Energy Sciences DMR - Division of Materials Research	DMR2004288		electronic, magnetic, and thermal properties in intense magnetic fields	Physics		
Kuan-Wen Chen (P)	С	University of Michigan	Physics		Research			michoc magnetic netas			
David Mandrus (S)	С	University of Tennessee,	Materials Science and								
Yuji Matsuda (S)	С	Knoxville Kyoto University	Engineering Physics								
Dmitri Mihaliov (G)	6	University of Michigan	Applied Physics								
Emilia Morosan (S)	c	Rice University	Physics and Astronomy								
Dechen Zhang (G)	c	University of Michigan	Department of Physics								
Guoxin Zheng (G)	C	University of Michigan	Department of Physics								
Dragana Popovic (S)	PI	National High Magnetic Field Laboratory	Condensed Matter Science / Experimental	NSF	DMR - Division of Materials Research	DMR1707785	P19628	Electrical Transport Studies of Quasi-Two-	Condensed Matter Physics	2	16
Bernd Buechner (S)	С	Technical University of Dresden	Institute for Solid State Research		research			Dimensional Strongly Correlated Materials	inyaica		
Masaki Fujita (S)	С	Tohoku University IMR	Materials Property Division								
Jun Sik Lee (S)	C	SLAC National	XXX								
Shimpei Ono (S)	С	Accelerator Laboratory Central Research Institute	Materials Science								
Bal Pokharel (G)	С	of Electric Power Industry National High Magnetic	Research Laboratory Physics								
===: 5	<u> </u>	Field Laboratory	,								

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		Participants (Name, Role, Org., Dept.)		(Fundir	Funding Sources ng Agency, Division, Award #)		Proposal #	Proposal Title	Discipline	Exp. #	Days Used
Helene Raffy (S)	С	University of Paris-Sud	Laboratoire de Physique								
Takanori Taniguchi (S)	С	Tohoku University IMR	des Solides Materials Property Division								
Jasminka Terzic (P)	С	National High Magnetic Field Laboratory	CMS								
Olesia Voloshyna (P)	С	Technical University of Dresden	Institute for Solid State Research				/				
Youcheng Wang (P)	С	National High Magnetic Field Laboratory	NHMFL				/	/	1		
Yuxin Wang (G)	С	Florida State University	CMS				/	/			
Zhenzhong Shi (S)	PI *	Soochow University	School of Physical Science	Soochow University	Non US College and		F19630	Studies of Thermal	Condensed Matter	3	28
		,	and Technology & Institute for Advanced Study	,	University			Transport Properties of cuprates in High Magnetic	Physics		
Eun Sang Choi (S)	С	National High Magnetic Field Laboratory	Physics Department					Field			
Bal Pokharel (G)	С	National High Magnetic Field Laboratory	Physics								
Dragana Popovic (S)	С	National High Magnetic Field Laboratory	Condensed Matter Science / Experimental				1				
Youcheng Wang (P)	С	National High Magnetic Field Laboratory	NHMFL					\			
Yuxin Wang (G)	С	Florida State University	CMS				١ ١	\			
Ziming Wu (G)	С	Soochow University	School of Physical Science and Technology & Institute				\	\			
			for Advanced Study								
Xavier Roy (S)	PI *	Columbia University	Chemistry	DOE	Office of Science - BES - Basic Energy Sciences	DE-sc0019443	P19432	Magnetic Order and Correlated Electronic	Chemistry	1	14
David Graf (S)	С	National High Magnetic Field Laboratory	DC Field CMS				\	Phenomena in Novel 2D van der Waals Materials			
Elena Meirzadeh (P)	С	Columbia University	Chemistry				\				
Victoria Posey (G)	С	Columbia University	Chemistry				•				
Evan Telford (G)	С	Columbia University	Physics								
Michael Ziebel (P) Yasu Takano (S)	C PI	Columbia University University of Florida	Chemistry and Physics Physics	UCGP			P19638	Calorimetric and magnetic	Condensed Matter	2	13.33
Eun Sang Choi (S)	C	National High Magnetic Field Laboratory	Physics Department	dear			F17030	studies of quantum spin liquid candidates	Physics		13.33
Yanbo Guo (G)	С	University of Florida	Physics								
Xinzhe Hu (G)	С	University of Florida	Physics								
Jun Yang (S)	PI *	Institute of Physics, Chinese Academy of Sciences	Wuhan Institute of Physics and Mathematics	NIH	NIGMS - National Institute of General Medical Sciences	GM122698	P19677	Structural characterization of AqpZ protein at 35.2T magnet	Biology, Biochemistry, Biophysics	1	5
Riqiang Fu (S)	С	National High Magnetic Field Laboratory	NMR								
Rongfu Zhang (P)	С	National High Magnetic Field Laboratory	NHMFL								
Al-Amin Dhirani (S)	PI *	University of Toronto (Toronto)	Chemistry	Natural Science and Engineering Research Council of Canada	Non US Council		P19678	The Kondo Effect at High Impurity Densities in Nanostructured Materials	Condensed Matter Physics	2	20
Ryan Baumbach (S)	С	National High Magnetic Field Laboratory	CMS	Natural SCience and Engineering Research Council for Canada	Other Non US Federal Agency			Hallosti detal ed Materials			
David Mandrus (S)	PI	University of Tennessee, Knoxville	Materials Science and Engineering	Gordon and Betty Moore Foundation	Other	GBMF9069	P19679	Thermal transport properties of TbNi3Ga9	Condensed Matter Physics	1	24
Luis Balicas (S)	С	National High Magnetic Field Laboratory	Condensed Matter Experiment						,		
Eun Sang Choi (S)	С	National High Magnetic Field Laboratory	Physics Department								
Guangxin Ni (S)	PI *	Florida State University	Physics	No other support			P19684	Exploring the nature of 2D	Condensed Matter	1	7
Stephen Hill (S)	С	National High Magnetic Field Laboratory	EMR	.,,,,				twistronics under photon excitations	Physics		
James Hone (S)	С	Columbia University	Mechanical Engineering								
Philip Kim (S)	С	Harvard University	Department of Physics								
Dmitry Smirnov (S)	С	National High Magnetic	Instrumentation &								
liahaa Wasa (0)	•	Field Laboratory	Operations								
Jiabao Wang (G) Youcheng Wang (P)	C	Florida State University National High Magnetic	Physics NHMFL								
roucheng Wally (F)	\	Field Laboratory	IAUME F								

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Adem Hand (0) C C University of Temessee, Chemistry  Michael Carlons (6) C C University of Temessee, Chemistry  Mighanylo Carero (5) C Divine High Magnatic Confidence Matter Science, National High Magnatic Confidence Matter Science, Chemistry  Mythanylo Carero (5) C Divine High Magnatic Confidence Matter Science, Chemistry  Mythanylo Carero (5) C Divine High Magnatic Confidence Matter Science, Chemistry  Mythanylo Carero (5) P National High Magnatic Confidence Matter Science, Chemistry  Mythanylo Carero (5) P National High Magnatic Confidence Matter Science, Chemistry  Magnatic (7) Physics Chemistry  Magnatic (7) Physics Confidence Matter Science, Chemistry  Magnatic (7) Physics College and University of Magnatic College Park  Maintenal High Magnatic College Park  Maintenal High Magnatic College Park  Maintenal High Magnatic College Park  Maintenal High Magnatic College Park  Maintenal Magnatic College Park  Ma	Alexandria Pene (C)	C		Chamistry				- /				
Michael Leskins (8) C L University of Tennesses, Chemistry Mykhayto Czerov (5) C D Ralamal High Magnetic Plate Laboratory Pagnaracaft In (6) C University of Tennesses, Chemistry Pagnaracaft In (7) C Pried CMS Pagnaracaft In (8) C D Related Matter Science, Or Fried CMS Pagnaracaft In (8) C D Related Matter Science, Or Fried CMS Pagnaracaft In (8) C D Related Matter Science, Or Fried CMS Pagnaracaft In (8) C D Related Matter Science, Or Fried CMS Pagnaracaft In (8) C D Related Matter Science, Or Fried CMS Pagnaracaft In (8) C D Related Matter Science, Or Fried CMS Pagnaracaft In (8) C D Related Matter Science, Or Fried CMS Pagnaracaft In (8) C P	Atexandria Bone (0)	C		Citetilistiy								
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Mykhaylo Ozerov (S) C National High Magnetic Condensed Matter Science, Pagnareach Int (G) C National High Magnetic Condensed Matter Science, Clampara Condensed Matter Science, Condensed Matter Science, Condensed Matter Science, Condensed Matter Science, Condensed Matter Science, Condensed Matter Science, Condensed Matter Science, Condensed Matter Science, Condensed Matter Science, Condensed Matter Science, Condensed Matter Science, Condensed Matter Science, Condensed Matter Science, Condensed Matter Science, Condensed Matter Science, Condensed Matter Matte	Michael Jenkins (G)	r		Chemistry								
Pagnareach Tin (G) C University of Temesses C Chemistry  Physics Condensed Matter Science, Displayment Field Laboratory  Field Laboratory  Confided Miss (S) PI Versity of South Flarida  George Notas (S) PI Versity of South Flarida  George Notas (S) PI Versity of South Flarida  Field Laboratory  Robert Blazer (S) PI Laboratory Field Laboratory  Robert Blazer (S) PI Laboratory (Field Laboratory  Robert Blazer (S) PI Laboratory (Field Laboratory  Robert Blazer (S) PI Laboratory (Field Laboratory  Robert Blazer (S) PI Laboratory (Field Laboratory  Robert Blazer (S) PI Laboratory (Field Laboratory  Robert Blazer (S) PI Laboratory (Field Laboratory  Physics College Park  College Park  Physics College Park  Physics Department  Physics Department  Physics Department  Physics Department  Physics Department  Physics Department  Physics Department  Physics Department  Physics Department  Physics Department  Communications, and Cyber Systems  Communications, and Cyber Systems  Communications, and Cyber Systems  Communications, and Cyber Systems  Communications, and Cyber Systems  Communications, and Cyber Systems  Communications, and Cyber Systems  Communications, and Cyber Systems  Communications, and Cyber Syst	Michael Jenkins (0)	C		Citetinistry								
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Mykhaylo Ozerov (S) PI National High Magnetic Field Laboratory DC Field (MS  DC Field	Pagnareach Tin (G)	С		Chemistry					\ \			
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George Nolas (S) Pl * University of South Physics Post Post Post Post Post Post Post Post								- 1		,		
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Robert Buters (S) PI * Laboratory or Physical Sciences, College Park  Sungha Baek (G) C C University of Maryland, College Park  Tzu-Ming Lu (S) C Sandia National Laboratory for Physics Octoge Park  Tzu-Ming Lu (S) C Sandia National Laboratory for Physics Octoge Park  Sunk Kara (S) PI * Norfolk State University Physics Department Physi			•					1.1.			-	-
Robert Buters (S) Pl Sciences, College Park Sunpha Bask (G) C University of Maryland College Park Sunpha Bask (G) C University of Maryland College Park Physics Celege Park College Park College Park College Park College Park Physics College Park College	Kaya Wei (P)	С		CMS				\				
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Sungha Baek (0) C College Park (2016) College Park (2016) Physics Park (2016) Physics College Park (2016) Physics Park (2016) Phys	Robert Butera (5)	PI "		Physics		US College and University	H9823U17CU194	P19708			ı	4.2
Kevin Duyer (P) C C University of Maryland, College Park	Sungha Baek (G)	С		Physics	osnege i ain			,		1 11/51.05		
Tzu-Ming Lu (S) C Sandia National Laboratories Sandia National Laboratories Sunit Karna (S) Pl * Norfolk State University Physics Department Physi			College Park	ŕ								
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Scotl Schmucker (S) C Sandia National Laboratories Sandia National Laboratories Dev  Sunil Karna (S) PI Norfolk State University Physics Department  Kevin Allen (U) C Norfolk State University Physics Department  Orin Clarke Delgado C Norfolk State University Physics Department Physics Department Physics Department Physics Department Physics Department Physics Department Orin Clarke Delgado C Norfolk State University Physics Department Physics Department Orin Clarke Delgado C Norfolk State University Physics Department Physics and Astronomy Lam Harrigan (U) C Louisiana State University Physics Department Orin Clarke Delgado C Louisiana State University Physics Department Orin Clarke Delgado C C Louisiana State University Physics Department Orin Clarke Delgado C C Louisiana State University Physics Department Orin Clarke Delgado C C Louisiana State University Physics Department Physics and Astronomy Norfolk State University Physics Department Physics and Astronomy Physics Department Physics and Astronomy Physics Department Physics Physics Department Physics Department Physics Department Physics Physics Department Physics Physics Department Physics Department Physics Physics Department Physics Physics Department Physics Physics Department Physics Physics Department Physics Physics Department Physics Physics Department Physics Physi	T Min - 1 (C)	•		1117							1	
Scotl Schmucker (S)  C  Sandia National Laboratories Dev  Norfolk State University Corn Clarke Belgado C Norfolk State University C(n) Dhh DiTusa (S) Doyle Temple (S) C Denis Karaiska) (S) Denis Malaiska) (S) Denis Malaiska) (	12u-Ming Lu (5)	C		1117								
Laboratories Dev Laboratories Dev Norfolk State University Kevin Alten (U) C Norfolk State University Physics Department Norfolk State University Orini Clarke Delgado (G) John DiTusa (S) C Louisiana State University Norfolk State University Physics Department	Scott Schmucker (S)	С		Multiscale Fab Sci & Tech								
Research  Kevin Allen (U)												
Kevin Alten (U) C Norfolk State University Physics Department Prennee Baker (G) C Norfolk State University (G) Physics Department (G) Physics (G) Phys	Sunil Karna (S)	PI *	Norfolk State University	Physics Department	NSF		DMR1832031	P19711			1	4
Terence Baker (G) C Norfolk State University (C) Physics Department (Drin' Clarke Delgado (C) Norfolk State University (C) Norfolk S	Marcha Allen (U)	•	No of the Charles the bound to	Diam're December 1		Research				Physics		
Orrin Clarke Delgado (G) C Louisiana State University Department of Physics and Astronomy Liam Harrigan (U) C Norfolk State University Physics Department Ronald Pagano (G) C Louisiana State University Physics Department Physics Department Physics Department Physics Department Physics Department Physics Department Physics Department Physics Department Physics And Astronomy Physics Department Physics Department Physics Department Physics And Astronomy Physics Department Physics Departm												
G) John DiTusa (S) C Louisiana State University John DiTusa (S) C Norfolk State University Physics Department Physics Physics Physics Physics David Hilton (S) David Hilton												
John DiTusa (S)  C  Louisiana State University Ronald Pagano (G) C  Norfolk State University Ronald Pagano (G) C  Norfolk State University Physics Department Physics  ECCS- Electrical, Communications, and Cyber Systems  ECCS952957  P19712  Electronic and spin dynamics of materials at very high magnetic fields explored with coherent multidimensional spectroscopy  Condensed Matter Physics  Physics  Varun Mapara (G) Varun		Ü	Nortotk State Offiversity	i nysics bepartment								
Liam Harrigan (U) C Norfolk State University Louisiana State University Louisiana State University Physics Department Physics and Astronomy Physics and Astronomy Physics Department Phy		С	Louisiana State University	Department of Physics and								
Ronald Pagano (6) C Louisiana State University Physics Department Physics Department Physics Department Physics Department Physics Department Physics Department Physics Department Physics Department Physics Department Physics Department Physics Department Physics Department Physics Department Physics Department Physics Department Physics Physics Department Physics Physics Department Physics Physics Department Physics P		_		-								
Leroy Salary (S) C Norfolk State University Doyle Temple (S) C Norfolk State University Physics Department  Denis Karaiskaj (S) Pl University of South Florida  David Hilton (S) C Noiversity of Alabama, Birningham  Hengzhou Liu (G) C University of South Florida  Varun Mapara (G) C University of Colorado, Boulder  Minhyea Lee (S) Pl University of Colorado, Boulder  Gang Cao (S) C University of Colorado, Boulder  Leroy Salary (S) C Norfolk State University Physics Department  NSF ECCS - Electrical, Communications, and Cyber Systems  Physics  NSF ECCS - Electrical, Communications, and Cyber Systems  Physics  Planta Communications, and Cyber Systems  Physics  Physics  Physics  Physics  Physics  Physics  Physics  Condensed Matter Physics  Physics  Physics  Condensed Matter Physics  Physics  Physics  Condensed Matter Physics  Physics  Physics  Condensed Matter Physics  Physics  Physics  Condensed Matter Physics  Physics  Condensed Matter Physics  Physics  Physics  Condensed Matter Physics  Physics  Condensed Matter Physics  Physics  Condensed Matter Physics  Physics  Condensed Matter Physics  Physics  Condensed Matter Physics  Physics  Condensed Matter Physics  Physics  Condensed Matter Physics  Physics  Condensed Matter Physics  Condensed Matter Physics  Physics  Condensed Matter Physics  Condensed Matter Physics  Physics  Condensed Matter Physics  Physics  Condensed Matter Physics  Condensed Matter Physics  Physics  Condensed Matter Physics  Condensed Matter Physics  Condensed Matter Physics  Physics  Condensed Matter Physics  Condensed Matter Physics  Condensed Matter Physics  Condensed Matter Physics  Condensed Matter Physics  Condensed Matter Physics  Condensed Matter Physics  Condensed Matter Physics  Condensed Matter Physics  Physics  Condensed Matter Physics  Condensed Matter Physics  Condensed Matter Physics  Condensed Matter Physics  Condensed Matter Physics  Condensed Matter Physics  Condensed Matter Physics  Condensed Matter Physics  Condensed Matter Physics  Condensed Matter Physics  Condensed Matter Phys												
Doyle Temple (S) C Norfolk State University Physics Department  Denis Karaiskaj (S) Pl University of South Florida  David Hilton (S) C University of South Florida  Physics  David Hilton (S) C University of South Florida  Varun Mapara (G) C University of Colorado, Boulder  Gang Cao (S) C University of Colorado, Boulder  Gang Cao (S) C University of Colorado, Boulder  C University of Colorado, Physics  Department of Physics  NSF  ECCS - Electrical, ECCS1952957  Communications, and Cyber Systems  ECCS1952957  P19712  Electronic and spin dynamics of materials at very high magnetic fields explored with coherent multidimensional spectroscopy  Physics  Physics  C University of South Physics  DOE  Office of Science - BES - BES - BES-C0021377  Basic Energy Sciences  P19717  Investigating thermal transport properties in strong spin-orbit coupled systems  Condensed Matter Physics  Physics  1 9  The properties in strong spin-orbit coupled systems  Physics  Plant Condensed Matter Physics  Physics  Physics  Plant Condensed Matter Physics  Physics  Plant Condensed Matter Physics  Physics  Plant Condensed Matter Physics  Physics  Plant Condensed Matter Physics  Physics  Plant Condensed Matter Physics  Physics  Plant Condensed Matter Physics  Physics  Plant Condensed Matter Physics  Physics  Plant Condensed Matter Physics  Physics  Plant Condensed Matter Physics  Physics  Plant Condensed Matter Physics  Physics  Plant Condensed Matter Physics  Physics  Plant Condensed Matter Physics  Physics  Plant Condensed Matter Physics  Plant Condensed Matter Physics  Plant Condensed Matter Physics  Plant Condensed Matter Physics  Plant Condensed Matter Physics  Plant Condensed Matter Physics  Plant Condensed Matter Physics  Plant Condensed Matter Physics  Plant Condensed Matter Physics  Plant Condensed Matter Physics  Plant Condensed Matter Physics  Plant Condensed Matter Physics  Plant Condensed Matter Physics  Plant Condensed Matter Physics  Plant Condensed Matter Physics  Plant Condensed Matter Physics  Plant Condensed Matter Physics  P												
Denis Karaiskaj (S) Pluriversity of South Florida Physics Plysics Plysics Phys												
Florida  Communications, and Cyber Systems  Communications, and Cyber Systems  Communications, and Cyber Systems  Communications, and Cyber Systems  Communications, and Cyber Systems  Communications, and Cyber Systems  Communications, and Cyber Systems  Communications, and Cyber Systems  Communications, and Cyber Systems  Communications, and Cyber Systems  Communications, and Cyber Systems  Communications, and Cyber Systems  Communications, and Cyber Systems  Communications, and Cyber Systems  Communications, and Cyber Systems  Physics  Physics  Physics  Physics  Physics  Physics  Physics  Physics  Condensed Matter Physics  Song Cao (S)  Condensed Matter Physics  Communications, and Cyber Systems  Communications, and Cyber Systems  Physics  Physics  Physics  Physics  Condensed Matter Physics  Strong spin-orbit coupled systems  Condensed Matter Physics  Condensed M			,		NSF	ECCS - Electrical	ECCS1952957	P19712	Electronic and snin	Condensed Matter	1	7
David Hilton (S)  C University of Alabama, Birmingham Hengzhou Liu (G) Varun Mapara (G) Var	Domo Karaiskaj (D)			, 5105			_0001702707	1 17/12			'	'
Birbingham Hengzhou Liu (G) C University of South Florida Varun Mapara (G) C University of South Florida Minhyea Lee (S) PI University of Colorado, Boulder Gang Cao (S) C University of Colorado, Boulder Ian Leahy (G) C University of Colorado, Physics  Birbingham  multidimensional spectroscopy  DESCO021377  DE-SC0021377  P19717  Investigating thermal transport properties in strong spin-orbit coupled systems  Condensed Matter Physics  Physics						Cyber Systems			very high magnetic fields			
Hengzhou Liu (G) C University of South Florida Varun Mapara (G) C University of South Florida Physics  Minhyea Lee (S) PI University of Colorado, Boulder Gang Cao (S) C University of Colorado, Boulder C University of Colorado, Boulder C University of Colorado, Physics  In Leahy (G) C University of Colorado, Physics  DE SC0021377 P19717 Investigating thermal transport properties in strong spin-orbit coupled systems  DE-SC0021377 P19717 Investigating thermal transport properties in strong spin-orbit coupled systems	David Hilton (S)	С		Physics								
Varun Mapara (G)  C  Florida  Minhyea Lee (S)  PI  University of Colorado, Boulder  Gang Cao (S)  C  University of Colorado, Boulder  O  Department of Physics  DE  O  Office of Science - BES - Basic Energy Sciences  DE-SC0021377  P19717  Investigating thermal transport properties in strong spin-orbit coupled systems  O  O  O  O  O  O  O  O  O  O  O  O  O	Hongzhou Liv (C)	C		Physics								
Varun Mapara (G) C University of South Florida  Minhyea Lee (S) PI University of Colorado, Boulder Basic Energy Sciences  Gang Cao (S) C University of Colorado, Boulder  Ian Leahy (G) C University of Colorado, Physics  OE Department of Physics  Lan Leahy (G) C University of Colorado, Physics  DOE Office of Science - BES - DE-SC0021377  Basic Energy Sciences  DE-SC0021377  P19717  Investigating thermal transport properties in strong spin-orbit coupled systems  Lan Leahy (G) C University of Colorado, Physics  OE University of Colorado, Physics  OE University of Colorado, Physics  OE University of Colorado, Physics  OE University of Colorado, Physics  OE University of Colorado, Physics  OE University of Colorado, Physics	neligznou Liu (6)	C		rilysics					эрссиозсору			
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Boulder Basic Energy Sciences transport properties in strong spin-orbit coupled systems  Boulder C University of Colorado, Physics  Basic Energy Sciences transport properties in strong spin-orbit coupled systems  Physics Physics	,		Florida									
Gang Cao (S) C University of Colorado, Department of Physics.  Boulder Systems Strong spin-orbit coupled systems	Minhyea Lee (S)	PI		Physics	D0E		DE-SC0021377	P19717			1	9
Boulder Ian Leahy (G) C University of Colorado, Physics	Gang Cao (C)	C		Donartment of Dhysics		Basic Energy Sciences				Physics		
lan Leahy (G) C University of Colorado, Physics	dalig cau (5)	C		Department of Physics.								
	lan Leahy (G)	С		Physics					• • • • • • • • • • • • • • • • • • • •			
			Boulder									

		Participants			Funding Sources		Proposal	Proposal Title	Discipline	Ехр.	Days
01 1 1 1 1 1 (0)		(Name, Role, Org., Dept.)		(Fundin	g Agency, Division, Award #)		#	/ rroposat ritte	Discipulie	#	Used
Christopher Pocs (G)	С	University of Colorado, Boulder	Physics								
Jie Xing (P)	С	University of South Carolina	Department of physics and astronomy								
Chun Hung Lui (S)	PI	University of California, Riverside	Physics	NSF	DMR - Division of Materials Research	DMR1945660	P19723	Exploring novel correlated states in 2D	Condensed Matter Physics	1	7
Mashael Altaiary (G)	С	University of California, Riverside	Physics and Astronomy					materials and moiré superlattices			
Erfu Liu (P)	С	University of California, Riverside	Astronomy & Physics				/	· /			
Tianyi Ouyang (G)	С	University of California, Riverside	Physics and Astronomy								
Ao Shi (G)	С	University of California, Riverside	Physics and Astronomy								
Matthew Wilson (G)	С	University of California, Riverside	Physics and Astronomy								
Dmitry Smirnov (S)	PI	National High Magnetic	Instrumentation &	DOE	Office of Science - BES -	DE-FG02- 07ER46451	P19727	Testing new probes and	Condensed Matter	1	7
Mykhaylo Ozerov (S)	С	Field Laboratory National High Magnetic	Operations Condensed Matter Science,		Basic Energy Sciences	U/ER46451		techniques for high-field optical	Physics		
Dmitry Semenov (T)	С	Field Laboratory National High Magnetic	DC Field CMS DC Field					magnetospectroscopy			
Komalavalli	С	Field Laboratory Florida Agricultural and	Physics				١ ١	\			
Thirunavukkuarasu (S)		Mechanical University					\	\			
Li Xiang (P)	С	National High Magnetic Field Laboratory	DC field				\	\			
Guangxin Ni (S)	PI *	Florida State University	Physics	No other support			P19728	Study of higher-order	Condensed Matter	1	7
Jiabao Wang (G)	С	Florida State University	Physics				\	topological quantum materials	Physics		
Youcheng Wang (P)	С	National High Magnetic Field Laboratory	NHMFL				\	materials			
Kaitai Xiao (G)	С	Florida State University	physics				\				
Charles Agosta (S)	PI	Clark University	Department of Physics	NSF	DMR - Division of Materials Research	DMR1905950	P19729	Search for hhomogeneous	Condensed Matter Physics	1	7
Raju Ghimire (G)	С	Clark University	Physics					Superconductivity using			
Brett Laramee (G)	С	Clark University	Physics					field and angular sweeps.			
John Schlueter (S)	С	Argonne National Laboratory	Materials Science								
C. W. (Paul) Chu (S)	PI	University of Houston	Physics	DOD	US Air Force	FA9550-20-1-	P19731	Fermi surface studies of	Condensed Matter	1	2.4
Liangzi Deng (S)	С	University of Houston	Department of Physics and Texas Center for	T. L. L. Temple Foundation	Other	0068		topological phases of materials	Physics		
David Graf (S)	С	National High Magnetic	Superconductivity DC Field CMS	John J. and Rebecca	Other						
Duncan Mierstchin	С	Field Laboratory West Texas A&M	Chemistry and Physics	Moores Endowment State of Texas through the	Other						
(U)	C	University	chemistry and rhysics	Texas Center for Superconductivity at the University of Houston	otilei					/	
Thinh Nguyen (G)	С	West Texas A&M University	Chemistry and Physics								
Keshav Shrestha (S)	С	Texas A&M University	Chemistry and Physics								
Michael Shatruk (S)	PI	National High Magnetic Field Laboratory	Department of Chemistry and Biochemistry	NSF	DMR - Division of Materials Research	DMR1905499	P19737	Investigation of Magnetic Properties of Liquid-	Magnets, Materials	2	13
Ian Campbell (G)	С	Florida State University	Chemistry and Biochemistry					Exfoliated 2D Materials			
Judith Clark (G)	С	Florida State University	Chemistry and Biochemistry								
Govind Sasi Kumar (G)	С	Florida State University	Chemistry and Biochemistry								
David Goldhaber- Gordon (S)	PI	Stanford University	Physics	Gordon and Betty Moore Foundation	US Foundation	GBMF9460	P19746	High flux per moire cell in van der Waals stacks	Condensed Matter Physics	1	8
Joseph Finney (G)	С	Stanford University	Physics						'		
Linsey Rodenbach (G)	С	Stanford University	Physics								
Ayyalusamy Ramamoorthy (S)	PI	University of Michigan	Chemistry & Biophysics	NIH	NIGMS - National Institute of General Medical Sciences	GM351395	P19766	Measurement of 170 Residual Quadrupolar Couplings in Small	Chemistry	1	4

		Participants (Name, Role, Org., Dept.)		(Fundir	Funding Sources ng Agency, Division, Award #)		Proposal #	Proposal Title	Discipline	Exp. #	Days Used
Riqiang Fu (S)	С	National High Magnetic Field Laboratory	NMR					Molecules Using Lipid Nanodiscs			
Rongfu Zhang (P)	С	National High Magnetic Field Laboratory	NHMFL				/				
Chetan Dhital (S)	PI	Kennesaw State University	Physics	No other support			P19797/	Investigation of magnetic and electrical transport properties of non- centrosymmetric rare earth magnets.	Condensed Matter Physics	2	14
Zhehong Gan (S)	PI	National High Magnetic Field Laboratory	NHMFL	No other support			P1/856	Development and implementation of solid-	Chemistry	1	4
William Brey (S)	С	National High Magnetic Field Laboratory	NMR					state NMR methods at high magnetic fields			
Ivan Hung (S)	С	National High Magnetic Field Laboratory	CIMAR/NMR								
Ilya Litvak (S)	С	National High Magnetic Field Laboratory	CIMAR/NMR								
Wenping Mao (P)	С	National High Magnetic Field Laboratory	NMR								
Robert Schurko (S)	С	Florida State University	Chemistry				1.1	\ \			
Yijue Xu (P)	С	National High Magnetic Field Laboratory	solid-state NMR					\			
Jeffrey Schiano (S)	PI	Pennsylvania State University	Electrical Engineering	NIH	NIGMS - National Institute of General Medical Sciences	GM122698	P19858	Flux Regulation for Powered Magnets	Engineering	1	3
William Brey (S)	С	National High Magnetic Field Laboratory	NMR				\	\			
Ilya Litvak (S)	С	National High Magnetic Field Laboratory	CIMAR/NMR				\				
Waroch	С	Pennsylvania State	Electrical Engineering				\			1	
Tangbampensountorn (G)		University					\				
								Total Proposals:	Experi	ments:	Days:
								131		198	1,328.77

**EMR Facility** 

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		Participants (Name, Role, Org., Dept.)		(Funding	Funding Sources Agency, Division, Award #)		Proposal #	Proposal Title	Discipline	Exp.	Days Used
Likai Song (S)	PI	National High Magnetic	EMR	No other support			P17449	Developing	Biology,	7	128.5
Manoj Vinayaka Hanabe	С	Field Laboratory Florida State University	Physics					Multifrequencey EPR Methods for Biological	Biochemistry, Biophysics		
Subramanya (G) Krishnendu Kundu (P)	С	National High Magnetic	EMR				/	Applications			
Jonathan Marbey (G)	С	Field Laboratory National High Magnetic	EMR				/	/			
Alina Bienko (S)	PI	Field Laboratory University of Wroclaw	Faculty of Chemistry	Wroclaw University	Non US College and		P17642	Search for New Single	Chemistry	1	2
Andrew Ozarowski (S)	С	National High Magnetic	EMR	·	University		1	Molecule Magnets: High- Field EPR Studies on High-	,		
		Field Laboratory						Spin Complexes of d- Electron Metals - Co(II), Ni(II), Re(IV)			
Ziling Xue (S)	PI	University of Tennessee, Knoxville	Chemistry	No other support			P17697	Investigating Molecular Magnetism by Magneto-	Chemistry	1	1
Alexandria Bone (G)	С	University of Tennessee, Knoxville	Chemistry				١	Raman Spectroscopy			
Adam Hand (G)	С	University of Tennessee, Knoxville	Chemistry				1	\			
Brian Kettell (G)	С	University of Tennessee Space Institute	Chemistry				\	\			
Jurek Krzystek (S)	С	National High Magnetic Field Laboratory	Condensed Matter Science				\	\			
Clay Mings (G)	С	University of Tennessee, Knoxville	Chemistry				\				
Duncan Moseley (G)	С	University of Tennessee, Knoxville	Chemistry				\	,			
Pagnareach Tin (G)	С	University of Tennessee, Knoxville	Chemistry								
Chelsea Widener (G)	С	University of Tennessee, Knoxville	Chemistry				\				
Srinivasa Rao Singamaneni (S)	PI	University of Texas, El Paso	Physics	The University of Texas at El Paso	US College and University		P17698	Controlling Spin States in Honeycomb Two-	Condensed Matter Physics	1	11
Christian Saiz (G)	С	University of Texas, El Paso	Physics					Dimensional Layered Solids using Coherent	, , , ,		
Johan van Tol (S)	С	National High Magnetic Field Laboratory	EMR					Light			
Joseph Zadrozny (S)	PI	Colorado State University	Chemistry	NSF	CHE - Chemistry	CHE1836537	P17730	Molecular Control of Spin	Chemistry	6	23
Cassidy Jackson (G)	С	Colorado State University	Chemistry	NIH	NIBIB - National Institute for Biomedical Imaging and Bioengineering	EB027293		Relaxation and ERR Linewidth in Transition Metal Complexes			
Roxanna Martinez (G)	С	Colorado State University	Chemistry	Colorado State University	US College and University						
lan Moseley (G)	С	Colorado State University	Chemistry	Colorado State University	US College and University	Start up funding					
Andrew Ozarowski (S)	С	National High Magnetic Field Laboratory	EMR							_	
Siyoung Sung (P)	С	Colorado State University	Chemistry								
Johan van Tol (S)	С	National High Magnetic Field Laboratory	EMR						1		
Ziling Xue (S)	PI	University of Tennessee,	Chemistry	NSF	CHE - Chemistry	CHE1900296	P17767	Investigating Molecular	Chemistry	1	2
Alexandria Bone (G)	C	Knoxville University of Tennessee, Knoxville	Chemistry					Magnetism by Magneto- Far-IR Spectroscopy			
Adam Hand (G)	С	University of Tennessee, Knoxville	Chemistry								
Michael Jenkins (G)	С	University of Tennessee, Knoxville	Chemistry								
Jurek Krzystek (S)	С	National High Magnetic Field Laboratory	Condensed Matter Science								
Mykhaylo Ozerov (S)	С	National High Magnetic Field Laboratory	Condensed Matter Science, DC Field CMS								
Dmitry Smirnov (S)	С	National High Magnetic Field Laboratory	Instrumentation & Operations								
Pagnareach Tin (G)	С	University of Tennessee, Knoxville	Chemistry								
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Beginner Stein (S) PI Law Alamon National Laboratory (CFCS PRYSEAL) (EVEX A PAPILED SPECIALSCOPY Committed Laboratory (CFCS PRYSEAL) (EVEX A PAPILED SPECIALSCOPY Committed Laboratory (CFCS PRYSEAL) (EVEX A PAPILED SPECIALSCOPY COMMITTED AND A PAPILED SPECIAL COMMITTED AND A PAPILED SPECIA	Andrei Zorko (S)	DI	lozef Stefan Institute	Solid State Physics	Slovenian Research	Other Non IIS Federal		D179/49		Condensed Matter	1	6
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Themas Alfrackt.  C Priorite State University Chemistry and Chemistry Characteristy Control Co	D : : (c) : (c)			0.000.000000000000000000000000000000000				Durana				
Thomas Albricksh- Commit (C) Comm	Benjamin Stein (S)	PI			No other support			P17990		Chemistry	5	31
Samuel Greer (P) C Le Alamon National Appl Hoperatory Ploride State University Ploride State University Ploride State University Ploride State University Ploride State University Ploride A CRINIDE CHEMICAL STATE OF THE ACTIVITY Ploride CHEMICAL STATE OF THE ACTIVITY PLORIDE CHEMICAL STATE OF THE ACTIVITY Ploride CHEMICAL STATE OF THE ACTIVITY PLORIDE CHEMICAL STATE O	Thomas Albrecht-	С			DOE	LDRD - Laboratory			Resonance Techniques to			
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Manay Invaryaka Hanabe Color Florids State University Physics Coloramanya (D)	Samuel Greer (P)	С			DOE				Systems			
Stephen Hill (S) C   National High Magnetic   EMR   Stock National Stephen Hill (S) C   Les Alamos National Light Magnetic   CHEM   CHE	Manoj Vinayaka Hanabe	С				Directed Nab		1				
Stock Kozimor (S)   C   C   Lack Alamos National   C-IIAC INORGANIC   ISOTOPE & ACTINIUE	Subramanya (G)		•	·				1	\ \			
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Krishnendu Kundu (P) C National High Magnetic Field Laboratory C C Los Alamos National Laboratory C C Los Alamos National Laboratory C C Los Alamos National Laboratory C C Los Alamos National Laboratory C C Library (S) C C University of Wisconsin, Madison C Madison C C District C C Library (S) C C University of Wisconsin, Madison C Madison C Madison C C Glanks University of Department of Inorganic C C C C C C C C C C C C C C C C C C C	Stosh Kozimor (S)	С		C-IIAC: INORGANIC				<b>\</b>	\			
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Adam Ficiliter (S) PI Marquette University University of U			Laboratory					\				
John Berry (S) C University of Wisconsin, Madison Kinga Kaniewska (G) C C Gdansk University Technology Chemistry Aurek Krzystek (S) C C National High Magnetic Field Laboratory Sandrine Heutz (S) Daphné Lubert-Perquet C Daphné Lubert-Perquet C Diaphné Lubert-Perquet C National High Magnetic Field Laboratory Stephen Hill (S) Daynous Hill (B) Daynous Hill (S) Daynous Hill (S) Daynous Hill (S) Daynous Hill (S) Daynous Hill (S) Daynous Hill (S) Daynous Hill (S) Daynous Hill (S) Daynous Hill (S) Daynous Hill (S) Daynous Hill (S) Daynous Hill (S) Daynous Hill (S) Dayn	Adam Fiedler (S)	PI	Marguette University		No other support			P18030	Probing the Magnetic	Chemistry	3	10
Kinga Kaniewska (G) C G Gdansk University of Department of Inorganic Technology Chemistry Jurek Krzystek (S) C National High Magnetic Condensed Matter Science Field Laboratory Andrew Ozarowski (S) C National High Magnetic EMR Field Laboratory Joshus Telser (S) C National High Magnetic Science, DC Field CMS Joshus Telser (S) C Rossevelt University Biological, Physical and Health Sciences Sandrine Heutz (S) PI Imperial College London London Centre for National High Magnetic EMR Field Laboratory (P) Johan van Tol (S) C National High Magnetic EMR Field Laboratory Janyuan Zhang (S) PI Rugers University Biological, Physical High Magnetic Stephen Hill (S) C National High Magnetic EMR Field Laboratory Janyuan Zhang (S) PI Rugers University Biology Physics Subramanys (G) Sephen Hill (S) C National High Magnetic EMR Field Laboratory Janyuan Zhang (S) PI Rugers University Biology Physics Subramanys (G) Sephen Hill (S) C National High Magnetic EMR Field Laboratory Lianyuan Zhang (S) PI Rugers University EMR Sungsool Wi (S) PI National High Magnetic Field Laboratory Jonathan Marbey (G) C National High Magnetic Field Laboratory National High Magnetic EMR Field Laboratory National High Magnetic Field L	John Berry (S)	С		Department of Chemistry				\				
Jurek Krzystek (5) C National High Magnetic Field Laboratory Andrew Ozarowski (5) C National High Magnetic Field Laboratory Mykhaylo Ozerov (S) C National High Magnetic Field Laboratory Sandrine Heutz (S) PI Imperial College London Robert Field Laboratory Stephen Hill (S) C Mational High Magnetic Field Laboratory John van To (S) C National High Magnetic Field Laboratory Stephen Hill (S) C Mational High Magnetic Field Laboratory John van To (S) C National High Magnetic Field Laboratory Stephen Hill (S) C Mat	Kinga Kanjawaka (G)	C		Donartment of Ingraanic								
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Joshua Telser (S)   C   Roosevelt University   Biological, Physical and Health Sciences	Mykhaylo Ozerov (S)	С										
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Subramanya (G) Stephen Hill (S) C National High Magnetic EMR Field Laboratory Krishnendu Kundu (P) C National High Magnetic EMR Field Laboratory  Jonathan Marbey (G) C National High Magnetic EMR Field Laboratory  Elvin Salerno (P) C National High Magnetic EMR Field Laboratory  Sungsool Wi (S) PI National High Magnetic NMR NSF CHE - Chemistry CHE1808660 P18056  Thierry Dubroca (S) C National High Magnetic EMR	Manoj Vinayaka Hanabe	c	Florida State University									
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Krishnendu Kundu (P) C National High Magnetic EMR  Jonathan Marbey (G) C National High Magnetic EMR  Elvin Salerno (P) C National High Magnetic EMR  Sungsool Wi (S) Pl National High Magnetic NMR  Field Laboratory  Thierry Dubroca (S) C National High Magnetic EMR	Stephen Hill (S)	С		EMR								
Field Laboratory  Jonathan Marbey (G) C National High Magnetic EMR Field Laboratory  Elvin Salerno (P) C National High Magnetic EMR  Sungsool Wi (S) PI National High Magnetic NMR NSF CHE - Chemistry CHE1808660 P18056 Solution State Overhauser DNP at 14 T  Thierry Dubroca (S) C National High Magnetic EMR	Krishnendu Kundu (P)	С	National High Magnetic	EMR								
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Field Laboratory  Sungsool Wi (S) PI National High Magnetic NMR NSF CHE - Chemistry CHE1808660 P18056 Solution State Overhauser DNP at 14 T  Thierry Dubroca (S) C National High Magnetic EMR	Elvin Salerno.(P)	С		EMR								
Field Laboratory Thierry Dubroca (S) C National High Magnetic EMR			Field Laboratory									
Thierry Dubroca (S) C National High Magnetic EMR	Sungsool Wi (S)	PI	National High Magnetic	NMR	NSF	CHE - Chemistry	CHE1808660	P18056		Chemistry	2	14
	Thierry Dubroca (S)	С	National High Magnetic	EMR					DINI dt 14 1			
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		Participants (Name, Role, Org., Dept.)		(Funding	Funding Sources Agency, Division, Award #)		Proposal #	Proposal Title	Discipline	Exp. #	Days Used
Jonathan Marbey (G)	С	National High Magnetic Field Laboratory	EMR								
Adam Veige (S)	PI	University of Florida	Chemistry	NSF	CHE - Chemistry	CHE1808234	P19170 /	Quantification of End	Biology,	1	2
Clifford Bowers (S)	С	University of Florida	Chemistry		•			Groups in Cyclic vs. Linear	Biochemistry,		
Alec Esper (G)	C	University of Florida	Chemistry				/	Polyacetylenes by Carbon-	Biophysics		
Frederic Mentink (S)	C	National High Magnetic	NMR Division				/	13 Magic Angle Spinning			
		Field Laboratory					/	Nuclear Magnetic			
Zhihui Miao (G)	С	University of Florida	Department of Chemistry				/	Resonance Spectroscopy			
Brent Sumerlin (S)	С	University of Florida	Chemistry				/	/			
Johan van Tol (S)	С	National High Magnetic	EMR				/	/			
		Field Laboratory					/	/			
Tommy Zhao (G)	С	University of Florida	Chemistry					/			
Danna Freedman (S)	PI	Northwestern University	Chemistry	No other support			P19174	Optically Addressable	Chemistry	1	6
Moses Amdur (G)	С	Northwestern University	Chemistry				11	Molecular Qubits			
Michael Wojnar (P)	С	Northwestern University	Chemistry				11	1			
Dmytro Nesterov (P)	PI	Technical University of Lisbon	Chemistry Department	FCT - Fundação para a Ciência e Tecnologia (Portugal)	Non US Foundation		P19177	Magnetic Properties and EPR spectroscopy of Tetranuclear Copper	Chemistry	2	11
Andrew Ozarowski (S)	С	National High Magnetic Field Laboratory	EMR	(i ortuguty				Complexes			
George Christou (S)	PI	University of Florida	Chemistry	No other support			P19185	High-Field EPR Studies of	Chemistry	7	39.33
ChristiAnna Brantley (G)	С	University of Florida	Chemistry	DOE	Office of Science - EFRC - Energy Frontier Research Centers	DE- SC0019330	\	Exchange Coupling Within Single-Molecule Magnet Oligomers	·		
Alexander Diodati (G)	С	University of Florida	Chemistry				١ ١	\			
Tuhin Ghosh (P)	С	University of Florida	Department of Chemistry				<b>\</b>	\			
Stephen Hill (S)	С	National High Magnetic Field Laboratory	EMR				\	\			
Daphné Lubert-Perquel (P)	С	Imperial College London	Physics								
Johan van Tol (S)	С	National High Magnetic Field Laboratory	EMR								
Johan van Tol (S)	PI	National High Magnetic Field Laboratory	EMR	No other support			P19207	Testing and Maintenance	Condensed Matter Physics	3	8.5
Elvin Salerno (P)	С	National High Magnetic Field Laboratory	EMR							/	
Frederic Mentink (S)	PI	National High Magnetic Field Laboratory	NMR Division	No other support			P19241	Improving biradicals for MAS-DNP at high field: a	Chemistry	1	5
Manoj Vinayaka Hanabe Subramanya (G)	С	Florida State University	Physics					combined approach of Spin-Dynamics theory, DFT and high-field BPR			
Krishnendu Kundu (P)	С	National High Magnetic Field Laboratory	EMR					and nigh-field BPR			
Elvin Salerno (P)	С	National High Magnetic Field Laboratory	EMR								
Henry La Pierre (S)	PI	Georgia Institute of Technology	School of Chemistry and Biochemistry	Arnold and Mabel Beckman Foundation	US Foundation		P19275	Study of Zero Field Splitting in Molecular Tb4+	Biology, Biochemistry,	3	14
Manoj Vinayaka Hanabe Subramanya (G)	С	Florida State University	Physics					Complexes by High Field EPR	Biophysics	1	
Arun Ramanathan (G)	С	Georgia Institute of Technology	Chemsitry								
Robert Stewart (G)	C	Florida State University	Physics	No other control			Diccoo	In almost D	Manualanta		00.5
Likai Song (S)	PI	National High Magnetic Field Laboratory	EMR	No other support			P19282	Instrument Development and Maintenance	Magnets, Materials	6	82.5
Manoj Vinayaka Hanabe Subramanya (G)	С	Florida State University	Physics								
Krishnendu Kundu (P)	С	National High Magnetic Field Laboratory	EMR								
Jonathan Marbey (G)	С	National High Magnetic Field Laboratory	EMR								
Elvin Salerno (P)	С	National High Magnetic Field Laboratory	EMR								
Linda Doerrer (S)	PI	Boston University	Chemistry Department	NSF	CHE - Chemistry	CHE1800313	P19306	A Unique (Mn6) Cluster	Chemistry	3	11
Andrew Ozarowski (S)	С	National High Magnetic Field Laboratory	EMR					with Axial Symmetry as a Single-Molecule Magnet Candidate			
Kirill Kovnir (S)	PI	Iowa State University	Chemistry	Iowa State University	US College and University		P19330	EPR investigation of	Chemistry	1	3
Eranga Gamage (G)	C	Iowa State University	Chemistry	State offiver sity	55 conege and oniversity			Cr2Se2 dimer	Shemistry		J

		Participants (Name, Role, Org., Dept.)		(Fun	Funding Sources ding Agency, Division, Award #)		Proposal #	Proposal Title	Discipline	Exp. #	Days Used
Andrew Ozarowski (S)	С	National High Magnetic Field Laboratory	EMR	•			,	/			
Jianjun Pan (S)	PI	University of South Florida	Physics	NIH	NIGMS - National Institute of General Medical Sciences	GM117531	P19341	Interactions of the Helix O of Endophilin with Lipid Membranes Defined by	Biology, Biochemistry, Biophysics	1	1
Likai Song (S)	С	National High Magnetic Field Laboratory	EMR				/	Multi-Frequency EPR			
Albert Stiegman (S)	PI	Florida State University	Chemistry	DOE	Office of Science - BES - Basic Energy Sciences	DE-FG-02- 03ER15467	P19345	Characterization of the active sites in the Phillip's	Chemistry	3	9
Jurek Krzystek (S)	С	National High Magnetic Field Laboratory	Condensed Matter Science				/	ethylene polymerization catalyst with EPR			
Nathan Peek (G)	С	Florida State University (FSU)	Chemistry and Biochemistry				1	spectroscopy			
Susannah Scott (S)	С	University of California, Santa Barbara	Chemical Engineering								
Ellis Reinherz (S)	PI	Dana-Farber Cancer Institute	Medicine	No other support			P19358	EPR analysis of HIV-1 MPER segment for	Biology, Biochemistry,	6	87
Likai Song (S)	С	National High Magnetic Field Laboratory	EMR					optimized vaccine design	Biophysics		l
Jurek Krzystek (S)	PI	National High Magnetic Field Laboratory	Condensed Matter Science	No other support			P19369	Development of high- resolution THz EPR	Magnets, Materials	3	13.5
Thierry Dubroca (S)	С	National High Magnetic Field Laboratory	EMR				1	spectrometer based on the series-connected hybrid			
Songi Han (S)	С	University of California, Santa Barbara	Department of Chemistry and Biochemistry				\	\			
Stephen Hill (S)	С	National High Magnetic Field Laboratory	EMR				\	\			l
Bradley Price (G)	С	University of California, Santa Barbara	Physics				\	\			l
Mark Sherwin (S)	С	University of California, Santa Barbara	Physics								l
Xiaoling Wang (P)	С	University of California, Santa Barbara (UC Santa Barbara, UCSB)	Physics				\				
Grace Morgan (S)	PI	University College Dublin	School of Chemistry and Chemical Biology	No other support			P19428	Multiferroic behavior at spin-state transitions –	Chemistry	2	17
Shalinee Chikara (S)	С	National High Magnetic Field Laboratory	CMS, DC Field Facility					beyond Mn(taa)			l
Brittany Grimm (G)	С	Florida State University	Physics								i
Stephen Hill (S)	С	National High Magnetic	EMR								ı
		Field Laboratory									ı
Vibe Jakobsen (G)	С	University College Dublin	School of Chemistry								i
Irina Kuehne (P)	С	University College Dublin	School of Chemistry								i
Andrew Ozarowski (S)	С	National High Magnetic Field Laboratory	EMR								l
John Singleton (S)	С	National High Magnetic Field Laboratory	Physics								I
Vivien Zapf (S)	С	National High Magnetic Field Laboratory	Physics							-	
Michael Shatruk (S)	PI	National High Magnetic Field Laboratory	Department of Chemistry and Biochemistry	No other support			P19472	EPR Investigation of Lantanide Complexes as	Magnets, Materials	4	40.5
Miguel Gakiya (G)	С	Florida State University	Chemistry and Biochemistry					Potential Hosts for Clock Transitions and Molecular			l
Manoj Vinayaka Hanabe Subramanya (G)		Florida State University	Physics					Qubits			l
Stephen Hill (S)	С	National High Magnetic Field Laboratory	EMR								l
Krishnendu Kundu (P)	С	National High Magnetic Field Laboratory	EMR								l
Daphné Lubert-Perquel (P)	С	Imperial College London	Physics								l
Elvin Salerno (P)	С	National High Magnetic Field Laboratory	EMR								l
Robert Stewart (6)	С	Florida State University	Physics				<u> </u>				<b>.</b>
Michal Leskes (S)	PI	Weizmann Institute of Science	Materials and Interfaces	European Research Council	Non US Council	803024	P19484	Determining spin relaxation properties of	Chemistry	3	6
Daniel Jardón Álvarez (P)	С	Weizmann Institute of Science	Materials and Interfaces					metal phosphates with			

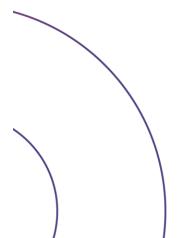
		Participants (Name, Role, Org., Dept.)		(Funding	Funding Sources Agency, Division, Award #)		Proposal #	Proposal Title	Discipline	Exp. #	Days Used
Brijith Thomas (P)	С	Weizmann Institute of Science	Materials and Interfaces					varying Mn(II) content at high field			
Enrique Colacio (S) Jurek Krzystek (S)	PI C	University of Granada National High Magnetic Field Laboratory	Inorganic Chemistry Condensed Matter Science	No other support			P19485	High-frequency and -field EPR and FIRMS of prismatic trigonal Co(II)	Chemistry	1	2
Mykhaylo Ozerov (S)	С	National High Magnetic Field Laboratory	Condensed Matter Science, DC Field CMS					and pentagonal bipyramidal Dy(III) SIMs complexes			
Andrew Ozarowski (S)	PI	National High Magnetic Field Laboratory	EMR	No other support			P(9505	CALIBRATION AND MAINTENANCE OF THE 15/17 T EPR INSTRUMENT	Magnets, Materials	1	22
Igor Fritsky (S)	PI	Taras Shevchenko National University of Kyiv	Chemistry	Taras Shevchenko University, Kiev, Ukraine	Non US College and University		P19517	HF-EPR study of stable water-soluble	Chemistry	2	4
Andrew Ozarowski (S)	С	National High Magnetic Field Laboratory	EMR					manganese(IV) hexahydrazide clathrochelate complexes with unusual electronic			
Lavrent Khachatryan (S)	PI *	Louisiana State University	Chemistry	Louisiana State University	US College and University	NSF CBET- 1805677	P19570	structure Homogeneous and	Chemistry	1	4.5
Mohamad Barekati- Goudarzi (P)	С	Louisiana State University	Chemistry			18036//		Heterogeneous pathways for formation of Environmentally			
Stephania Cormier (S)	С	Louisiana State University	Biological Sciences				١١	Persistent Free Radicals			
Slawo Lomnicki (S)	С	Louisiana State University	Energy Coast & Environment Bldg				<b>\</b>	(EPFRs)			
Andrew Ozarowski (S)	С	National High Magnetic Field Laboratory	EMR				\	\			
David Powers (S)	PI *	Texas A&M University	Chemistry	DOE	Office of Science - BES - Basic Energy Sciences	DE- SC0018977	P19590	HFEPR Characterization Porphyrin-Supported	Chemistry	2	9
Madeline Hicks (G)	С	California Institute of Technology	Chemistry				\	Metallonitrenoids			
Andrew Ozarowski (S)	С	National High Magnetic Field Laboratory	EMR				\				
Joshua Telser (S)	С	Roosevelt University	Biological, Physical and Health Sciences				· `				
Gerard Van Trieste (G)	С	Texas A&M University	Chemistry							1	
Joseph Zadrozny (S)	PI	Colorado State University	Chemistry	DOE	Office of Science - BES - Basic Energy Sciences	DE- SC0021259	P19618	High-Field/Frequency Spin Relaxation Phenomena in	Chemistry	3	14.5
Cassidy Jackson (G)	С	Colorado State University	Chemistry	NIH	NIBIB - National Institute for Biomedical Imaging and Bioengineering	EB210272		Metal Complexes			
Roxanna Martinez (G)	С	Colorado State University	Chemistry	Research Corporation for Scientific Advancement	US Foundation	27663					
Andrew Ozarowski (S)	С	National High Magnetic Field Laboratory	EMR	ACS Petroleum Research Foundation	US Foundation	60033-DNI3					
Johan van Tol (S)	С	National High Magnetic Field Laboratory	EMR								
David Herbert (S)	PI *	University of Manitoba	Department of Chemistry	Natural Sciences and Engineering Research Council of Canada	Other Non US Federal Agency	RGPIN-2014- 03733	P19661	High-Frequency and High- Field EPR Spectroscopy of Pseudo-Octahedral Ni(II)	Chemistry	1	2
Jurek Krzystek (S)	С	National High Magnetic Field Laboratory	Condensed Matter Science					Complexes of Strongly Absorbing Benzannulated			
Joshua Telser (S)	С	Roosevelt University	Biological, Physical and Health Sciences					Pincer-Type Amido Ligands with Non-Aufbau Electronic Behavior			
Ziling Xue (S)	PI	University of Tennessee, Knoxville	Chemistry	NSF	CHE - Chemistry	CHE2055499	P19694	Probing Molecular Magnetism by Far-IR and	Chemistry	3	8
Alexandria Bone (G)	С	University of Tennessee, Knoxville	Chemistry					Raman Magneto- Spectroscopies			
Adam Hand (G)	С	University of Tennessee, Knoxville	Chemistry								
Michael Jenkins (G)	С	University of Tennessee, Knoxville	Chemistry								
Jurek Krzystek (S)	С	National High Magnetic Field Laboratory	Condensed Matter Science								
Mykhaylo Ozerov (S)	С	National High Magnetic Field Laboratory	Condensed Matter Science, DC Field CMS								
Pagnareach Tin (G)	С	University of Tennessee, Knoxville	Chemistry								
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		Participants (Name, Role, Org., Dept.)		(Eunding	Funding Sources Agency, Division, Award #)		Proposal #	Proposal Title	Discipline	Exp.	Days Used
Chandrasekhar	PI	Dartmouth College	Physics and Astronomy	NSF	OIA - Office of Integrative	1921199	P19697	Spectral diffusion of	Condensed Matter	1	12
Ramanathan (S) Johan van Tol (S)	С	National High Magnetic Field Laboratory	EMR	NSF	Activities DMR - Division of Materials Research	DMR1747426	/	electron spins in semiconductors at high magnetic field	Physics		
Ethan Williams (G)	С	Dartmouth College	Department of Physics and Astronomy		Nesearch			agee			
Polly Arnold (S)	PI *	University of California, Berkeley	Chemistry	DOE	Office of Science - BES - Basic Energy Sciences	DE-AC02- 05CH11231	P19738	Electronic structure of new f-block molecular	Chemistry	3	6
Manoj Vinayaka Hanabe Subramanya (G)	С	Florida State University	Physics				/	qubits			
Amy Kynman (G)	С	University of California, Berkeley	Chemistry				/	/			
Elvin Salerno (P)	С	National High Magnetic Field Laboratory	EMR								
Joan Cano (S)	PI	University of Valencia	Instituto de Ciencia Molecular	NSF	DMR - Division of Materials Research	DMR1644779	P19756	Building quantum gates and quantum computer	Magnets, Materials	1	2.5
Miguel Julve (S)	С	University of Valencia	Inorganic Chemistry					through assembling			
Jurek Krzystek (S)	С	National High Magnetic Field Laboratory	Condensed Matter Science					mononuclear single - molecule magnets based			
Francesc Lloret (S)	С	University of Valencia	Institut de Ciència Molecular (ICMOL).					on Co(II) and other 3d transition metal ions In pursuit of new physics in			
Mykhaylo Ozerov (S)	С	National High Magnetic Field Laboratory	Condensed Matter Science, DC Field CMS				١\	spintronics			
Renato Rabelo De Souza Filho (G)	С	University of Valencia	Instituto de Ciencia Molecular (ICMol)				\	\			
Marta Viciano-Chumillas (P)	С	University of Valencia	Instituto de Ciencia Molecular					\			
Martin Bakker (S)	PI *	University of Alabama, Tuscaloosa	Chemistry and Biochemistry	NSF	CBET - Chemical, Bioengineering, Environmental, and Transport Systems	CBET2050507	P19771	High Field EPR of Transition Metal Phthalocyanines for Oxidation Reactions	Chemistry	1	3
Sebastian Stoian (S)	PI *	University of Idaho	Chemistry	University of Idaho	US College and University		P19784	Elucidating the Electronic	Chemistry	2	9
Andrew Ozarowski (S)	С	National High Magnetic Field Laboratory	EMR	,	,		\	Structure and Magnetic Ordering of Extended			
Kyle Seabourn (G) Adam Valaydon-Pillay (G)	C C	University of Idaho University of Idaho	Chemistry Chemistry					Chains Incorporating Co(II) and Fe(II) Ions		/	
Olga Vassilyeva (S)	PI	Taras Shevchenko National University of Kyiv	Chemistry	Taras Shevchenko National University of Kyiv	Non US College and University		P19785	Various types of transition metal Schiff base	Chemistry	3	13.5
Andrew Ozarowski (S)	С	National High Magnetic Field Laboratory	EMR	,	,			complexes: from theoretical studies to			
Svitlana Petrusenko (S)	С	Taras Shevchenko National University of Kyiv	Chemistry					applications			
Oleg Stetsiuk (U)	С	Taras Shevchenko National University of Kyiv	Inorganic Chemistry								
Srinivasa Rao Singamaneni (S)	PI	University of Texas, El Paso	Physics	NSF	DMR - Division of Materials Research	DMR2105109	P19791	Magnetic Correlations and Anisotropy in Layered	Condensed Matter Physics	1	3.17
Cedomir Petrovic (S)	С	Brookhaven National Laboratory	Condensed Matter Physics					quasi-2D van der Waals Magnets: A Very High		/	
Fazel Tafti (S)	С	Boston College	Physics					Frequency Electron Paramagnetic Resonance			
Patrick Lenahan (S)	PI	Pennsylvania State	Engineering Science and	DOD	DTRA - Defense Threat		P19805	Study Electrically Detected	Condensed Matter	1	4
ratiick Leilallall (3)		University	Mechanics, Inter-College Graduate Program in Materials Science and	000	Reduction Agency		P17603	Magnetic Resonance Measurements on 4H SiC MOSFETs at NHMFL	Physics	'	4
		<b>\</b>	Engineering					MOSI EIS BUNIMIFE			
James Ashton (P)	С	National Institute of Standards and Technology MD	Magnetic Resonance, Nanoscale Device Characterization								
Fedor Sharov (G)	С	Pennsylvania State University	Engineering Science and Mechanics								
Johan van Tol (S)	С	National High Magnetic Field Laboratory	EMR								
Eric Gale (S)	PI *	Massachusetts General	Radiology	NIH	NIDDK - National Institute	DK120663	P19823	Mechanisms of High-Spin	Chemistry	1	2
		Hospital	·· <b>3,</b>		of Diabetes and Digestive and Kidney Diseases			Fe(III) Nuclear Magnetic Relaxation	,		
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		Participants (Name, Role, Org., Dept.)  National High Magnetic Field Laboratory		Funding Sources (Funding Agency, Division, Award #)	Proposal #	Proposal Title	Discipline	Exp. #
ek Krzystek (S)	С	National High Magnetic Field Laboratory	Condensed Matter Science		/			
nnah Shafaat (S)	С	Ohio State University	Chemistry and Biochemistry					
						Total Proposals: 48	Ехрег	riments: 113
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## 3. HIGH B/T FACILITY

			Participants (Name, Role, Org., Dept.)			Funding Sources (Funding Agency, Division, Award	1 #1	Proposal #	Proposal Title	Discipline	Exp.	Day:
Chao Huan (P)	PI		University of Florida	Physics	UCGP	(Fulluling Agency, Division, Award	<i>i #)</i>	P17606	Studies of Novel Phases of 3He in	Condensed Matter	1	USE
Johnny Adams (G)	C		University of Florida	Physics	OCOF			F17000	Extreme Conditions	Physics	'	
Donald Candela (S)	С		University of Massachusetts	Physics					/			
Marc Lewkowitz (G)	С		University of Florida	Physics					/			
Neil Sullivan (S)	С		University of Florida	Physics								
Dominique Laroche (S)	PI		University of Florida	Physics	UCGP		TBD	P19332	Coulomb drag of spin-polarized Luttinger liquids at ultra-low	Condensed Matter Physics	1	111
Rasul Gazizulin (0)			University of Florida	Physics					temperatures - UCGP			
Guillaume Gervais (S)	С		McGill University	Physics Department								
John Reno (S)	С		Sandia National Laboratories									
Lucia Steinke (P)	С		University of Florida (UF)	High B/T Facility								
Michael Shatruk (S)	PI	*	National High Magnetic Field Laboratory	Department of Chemistry and Biochemistry	NSF	DMR - Division of Materials Research	DMR1905499	P19416	Investigation of Spin Frustration in Na2Mn2Se3	Magnets, Materials	2	22
Ovidiu Garlea (S)	С		Oak Ridge National Laboratory	Neutron Scattering sciences				\	\			
Naoto Masuhara (S)	С		University of Florida	Microkelvin Laboratory, Physics					\			
Mark Meisel (S)	С		University of Florida	Department of Physics					\			
Neil Sullivan (S)	С		University of Florida	Physics								
Collin Broholm (S)	PI		Johns Hopkins University	Physics and Astronomy	DOE	Office of Science - BES - Basic Energy Sciences	DE- SC0019331	P19504	NaBaYb(B03)2, spin liquid candidate with triangular lattice	Condensed Matter Physics	2	14
Johnny Adams (G)	С		University of Florida	Physics								
Rasul Gazizulin (0)			University of Florida	Physics								
Alireza Ghasemi (G)	С		Johns Hopkins University	Physics and Astronomy								
Chao Huan (P)	С		University of Florida	Physics								
Lucia Steinke (P)	PI		University of Florida (UF)	High B/T Facility	NSF	Other	R000002799	P19653	Probing exotic quasiparticles in calorimetric and thermal transport	Condensed Matter Physics	1	127
Rasul Gazizulin (0)			University of Florida	Physics					experiments at ultra-low temperatures			
Suchitra Sebastian (S)	С		University of Cambridge	Physics								
Andrew Woods (P)	С		University of Florida	Physics								
									Total Proposals:	Evner	ments:	Day



### 4. ICR FACILITY

	(Na	Participants ame, Role, Org., Dept.)		(Fundi	Funding Sources ng Agency, Division, Award :	#)	Proposal #	Proposal Title	Discipline	Exp.	Days Used
Ni-Bin Chang (S)	PI	University of Central	Department of Civil	NSF	Other	1830036	P17749	Carbon and copper	Engineering	1	1.48
Huan Chan (C)	С	Florida	Engineering	Florido Dont of Transportation	UC Courament Lab	Constant DDV2/ TMO	/	Impacts on biological removal of dissolved			
Huan Chen (S)	C	National High Magnetic Field Laboratory	Ion Cyclotron Resonance	Florida Dept of Transportation	US Government Lab	Grant No. BDV24 TW0 977-14)	/	organicnitrogen (DON)			
Amy McKenna (S)	С	National High Magnetic Field Laboratory	ICR			, <u>,</u>	/	via biosorption activated media (BAM)			
Diana Ordonez (U)	С	University of Central Florida	CECE								
Andrea Valencia (G)	С	University of Central Florida	Civil, Environmental and Construction Engineering								
Martin Wanielista (S)	С	University of Central Florida	Department of Civil, Environmental, and Construction Engineering Department								
Dan Wen (G)	С	University of Central Florida	Civil Environmental & Construction Engineering								
Aixin Hou (S)	PI	Louisiana State University	Department of Environmental Sciences	Gulf of Mexico Research Initiative	Other US Federal Agency		P17789	A Decade-long Study on Impact, Recovery, and	Chemistry	1	0.33
Huan Chen (S)	С	National High Magnetic Field Laboratory	Ion Cyclotron Resonance		- ,	\		Resilience in Louisiana Salt Marshes: The			
Qianxin Lin (S)	С	Louisiana State University	Department of Oceanography and Coastal Science			,	\	evolution of oil transformation compounds and plant-			
Amy McKenna (S)	С	National High Magnetic Field Laboratory	ICR					soil- microbialresponses to the Deepwater Horizon oil spill			
Robert Spencer (S)	PI	Florida State University	Earth, Ocean & Atmospheric Science	Florida State University Research Foundation	US College and University	Winchester Fund	P17701	Land use change in the Congo Basin: how does	Chemistry	1	0.58
Pascal Boeckx (S)	С	Ghent University	Applied analytical and physical chemistry		,			seasonality and land- use control the		/	
Jeffrey Chanton (S)	С	Florida State University	Department of Earth, Ocean and Atmospheric Science					composition of DOM?			
Bienvenu Dinga (S)	С	Institut de Recherche en Sciences et Exactes et Naturelles	Plant Science								
Travis Drake (P)	С	Swiss Federal Institute of Technology in Zurich	Environmental Systems Science								
Martin Kurek (G)	С	Florida State University	Earth, Ocean, and Atmospheric Science								
Amy McKenna (S)	С	National High Magnetic Field Laboratory	ICR								
Landry Ntaboba (S)	С	Université Catholique de Bukavu	Faculty of Agronomy								
Benjamin Nyilitya (G) Johan Six (S)	C C	Ghent University Swiss Federal Institute	Green Chemistry Earth Sciences								
	`	of Technology in Zurich									
Kristof Van Oost (S)	C	University of Leuven	Earth Sciences								<u> </u>
Omics LLC (S) Martha Chacon (S)	PI C	Omics, LLC National High Magnetic	Omics Ion Cyclotron	FFI			P17792	Omics LLC	Chemistry	1	1
Ryan Rodgers (S)	С	Field Laboratory National High Magnetic Field Laboratory	Resonance ICR								
Jeremy Owens (S)	PI	National High Magnetic Field Laboratory	Earth, Ocean and Atmospheric Sciences	NASA		NNA15BB03A)	P17838	Molecular characterization of	Chemistry	1	0.33
Martha Chacon (S)	С	National High Magnetic	Ion Cyclotron Resonance	NSF	EAR - Earth Sciences	EAR1338299		vanadyl compounds from the Demerara Rise			
Amy McKenna (S)	С	Field Laboratory National High Magnetic Field Laboratory	ICR	NSF	OCE - Ocean Sciences	OCE1624895		nom the benierara Rise			
Angela Knapp (S)	PI	Florida State University	Earth, Ocean and Atmospheric Sciences	NSF	OCE - Ocean Sciences	OCE1736557	P17850	Characterizing the chemical composition of	Chemistry	1	0.14

		Participants			Funding Sources		Proposal	Proposal Title	Discipline	Ехр.	Days
· · · · · · · · · · · · ·		ame, Role, Org., Dept.)			ing Agency, Division, Award #		#			#	Used
Rene Boiteau (S)	С	Oregon State University	College of Earth, Ocean, Atmospheric Sciences	NSF	OCE - Ocean Sciences	OCE1829761		dissolved organic matter in submarine			i
Kristen Buck (S)	С	University of South Florida	College of Marine Science					groundwater discharge collected on the South			
Dreux Chappell (S)	С	Old Dominion University	Ocean, Earth and Atmospheric Science					Carolina and West Florida Shelves			
Huan Chen (S)	С	National High Magnetic Field Laboratory	Ion Cyclotron Resonance				/				
Susan Lang (S)	С	University of South	School of the Earth,				1	/			1
		Carolina	Ocean, and Environment				/	/			
Carlos Miranda (U)	С	Florida State University	Oceanography					/			1
Willard Moore (S)	С	University of South	School of the Earth,					/			1
		Carolina	Ocean, and Environment								
James Pinckney (S)	С	University of South	School of the Earth,					- 1			1
		Carolina	Ocean, and Environment								
Rachel Thomas (G)	С	Florida State University	Earth, Ocean, and Atmospheric Science								
Alicia Wilson (S)	С	University of South	School of the Earth,				11	\			i l
		Carolina	Ocean, and Environment				\	\			i l
Martha Chacon (S)	PI	National High Magnetic	Ion Cyclotron	EU FT-ICR MS Centers			731077 P17944	Comprehensive	Chemistry	2	6.17
Nelson Acevedo (S)	С	Field Laboratory University of Pau and	Resonance IPREM	German Research Foundation		INST 264/56		characterization of asphaltenes by FT-ICR	,		
Brice Bouyssiere (S)	С	Pays de l'Adour University of Pau and	IPREM				\	MS and chromatography			i
,		Pays de l'Adour					\	separations			1
Herve Carrier (S)	С	University of Pau and Pays de l'Adour	UPPA								i
Jimmy Castillo (S)	С	Central University of Venezuela	Escuela de Quimica								
Jean-Luc Daridon (S)	С	University of Pau and Pays de l'Adour	IPREM								
Pierre Giusti (S)	С	Total	Refining and Chemicals				\				1
Taylor Glattke (G)	С	Florida State University	ICR								1
Caroline Mangote (S)	С	Total	Research & Technology								1
Aurora Mejia (S)	С	University of Pau and Pays de l'Adour	UPPA								
Remi Moulian (G)	С	National High Magnetic Field Laboratory	ICR								
Vincent Piscitelli (S)	С	Central University of Venezuela	Escuela de Quim´ica								
Sadia Radji (S)	С	University of Pau and Pays de l'Adour	UPPA								
Ryan Rodgers (S)	С	National High Magnetic Field Laboratory	ICR								
Franklin Leach (S)	PI	University of Georgia	Environmental Health Science	UCGP			P17979	High-Speed Molecular Imaging by FT-ICR MS	Chemistry	1	2.5
Chris Hendrickson (S)	С	National High Magnetic	Ion Cyclotron Resonance Program	University of Georgia	US College and	startup funds		with Multiple Frequency Detection			
Karl Smith (P)	(	Field Laboratory National High Magnetic	ICR		University			Detection			
Chad Weisbrod (S)	С	Field Laboratory National High Magnetic Field Laboratory	ICR								
Mengqiang Zhu (S)	PI	University of Wyoming	Ecosystem Science and	NSF	CAREER - Faculty Early	EAR-1752903	P18048	Oxidation of Dissolved	Chemistry	1	0.5
3, 3 , 3,			Management		Career Development Program			Organic Matter by Manganese Oxides			
Huan Chen (S)	С	National High Magnetic Field Laboratory	Ion Cyclotron Resonance	NSF	DEB - Division of Environmental Biology	DEB2027284		<b>3</b> <del>22</del>			
Than Dam (G)	С	Univesity of Wyoming	Department of		2.111 Official Biology						
			Ecosystem Science and Management								
Zhen Hu (G)	С	University of Wyoming	COLLEGE OF AGRICULTURE AND								
			NATURAL RESOURCES						i	1	

		Participants			Funding Sources		Proposal	Proposal Title	Discipline	Ехр.	Days
		ame, Role, Org., Dept.)		(Fundi	ng Agency, Division, Award #	<del>(</del> )	#	•		#	Used
Hairuo Mao (P)	С	University of Wyoming	Ecosystem science and management								
Amy McKenna (S)	С	National High Magnetic Field Laboratory	ICR								
Jianchao Zhang (P)	С	University of Wyoming	Ecosystem Science and Management								
Thomas Borch (S)	PI	Colorado State University	Soil and Crop Science	NSF	CBET - Chemical, Bioengineering, Environmental, and Transport Systems	CBET1512670	P18055	Investigation into Dissolved Organic Matter in Arctic Soil	Chemistry	1	0.67
William Bahureksa (G)	С	Colorado State University	Chemistry	NSF	CBET - Chemical, Bioengineering, Environmental, and Transport Systems	CBET2114868					
Casey Bryce (P)	С	University of Tuebingen	Center for Applied Geoscience	University Tuebingen	Non US College and University						
Carmen Höschen (P)	С	Technical University of Munich	Soil Science	German Academic Scholarship Foundation	Other Non US Federal Agency	39083813 <mark>4</mark>					
Hanna Joss (G)	С	Eberhard Karls University of Tübingen	Geosciences, Geomicrobiology	Institutional Strategy of the University of Tuebingen	Other Non US Federal Agency	DFG, ZUK63					
Andreas Kappler (S)	С	Eberhard Karls University of Tübingen	Center for Applied Geosciences			1		\			
Sara Kleindienst (S)	С	Eberhard Karls University of Tübingen	Geosciences			\		\			
Merritt Logan (G)	С	Colorado State University	Chemistry			\		\			
Carsten Mueller (S)	С	University of Copenhagen	Department of Geoscience and Natural Resource Management				$\setminus$				
Monique Sézanne Patzner (G)	С	University Tuebingen	Geoscience								
Fernando Rosario- Ortiz (S)	С	University of Colorado, Boulder	Environmental Engineering								
Thomas Scholten (S)	С	Eberhard Karls University of Tübingen	Geosciences								
Daniel Straub (P)	С	Eberhard Karls University of Tübingen	Quantitative Biology Center (QBiC)				\				
Kevin Thorn (S)	С	U.S. Geological Survey	Water Resources								ı l
Robert Young (S)	С	New Mexico State	Chemical Analysis &								ı l
	-	University, Main Campus	Instrumentation Laboratory								
Zhe Zhou (P)	С	Alfred Wegener Institute for Marine and	Marine Geochemistry								
Desired Desired (C)	DI	Arctic Research	Maria Observictor	HOOD		20000 500 20/52	DIOOTO	Malandanasatatian	01	_	7.17
Daniel Repeta (S)	PI	Woods Hole Oceanographic Institution	Marine Chemistry	UCGP		227000-520-38653	P18079	Molecular speciation of organic nutrients in marine dissolved	Chemistry	3	7.17
Marianna Acker (G)	С	Woods Hole Oceanographic Institution	Watson Laboratory	NSF	OCE - Ocean Sciences	OCE1634080		organic matter		1	
Lydia Babcock-Adams (G)	С	University of Georgia	Marine Sciences	NSF	OCE - Ocean Sciences	OCE1736280					
Benjamin Granzow (G)	c	Woods Hole Oceanographic Institution	Watson Laboratory	Simmons Foundation	Other	SCOPE POP 49476					
Jingxuan Li (S)	С	Woods Hole Oceanographic Institution	Watson Laboratory								
Amy McKenna (S)	С	National High Magnetic Field Laboratory	ICR								
Zeljka Popovic (G)	С	Florida State University	Ion Cyclotron Resonance								
Meilian Chen (S)	PI	Guangdong Technion	Environmental program	Guangdong Province, China &		2019QZKK0605	P18102	Dynamics of dissolved	Chemistry	1	0.5
Jin Hur (S)	С	Sejong University	Department of Environment & Energy	STEP Guangdong Technion	Non US College and University			organic matter from Alpine watersheds in the Himalayan-Tibetan			
Anne Kellerman (P)	С	Florida State University	Environment & Energy Earth, Ocean and Atmospheric Science		University			Plateau			
			Aunospheric Science	l			l .				

		Participants			Funding Sources			Proposal	Proposal Title	Discipline	Ехр.	Days
Chaoliu Li (S)	C (Na	ame, Role, Org., Dept.) Fujian Institute of	Institute of Tibetan	(Fundi	ng Agency, Division, Award #	)		# /			#	Used
Silosia Li (c)		Research on the Structure of Matter, Chinese Academy of Sciences	Plateau Research									
Nagamitsu Maie (S)	С	Kitasato University	Department of Environmental Bioscience									
Amy McKenna (S)	С	National High Magnetic Field Laboratory	ICR									Ì
Sydney Niles (G)	С	National High Magnetic Field Laboratory	Chemistry				/					Ì
Robert Spencer (S)	С	Florida State University	Earth, Ocean & Atmospheric Science						/			i
Fanping Yan (S)	С	Northwest Institute of Eco-Environment and Resources, Chinese Academy of Sciences	State Key Laboratory of Cryospheric Sciences									
Francisco Fernandez- Lima (S)	PI	Florida International Unversity	Chemistry and Biochemistry	NIH	NIAID - National Institute of Allergy and Infectious Diseases	Al135469		P19108	Lipids dynamics during the mosquito reproductive cycle	Biology, Biochemistry, Biophysics	1	0.5
Veronika Michalkova (S)	С	Biology Centre CAS	Institute of Parasitology	NSF	CHE - Chemistry	CHE1654274	- 1		\			i
Fernando Noriega (S)	С	Florida International University	Department of Biology	NIH	NIAID - National Institute of Allergy and Infectious Diseases	AI04554_	\					
Marcela Nouzova (S) Lilian Tose (P)	C C	Biology Centre CAS Florida International	Institute of Parasitology Chemistry and					\	\			
		University	Biochemistry					\	\			1
Chad Weisbrod (S)	С	National High Magnetic Field Laboratory	ICR									1
Collin Ward (S)	PI	Woods Hole Oceanographic	Department of Marine Chemistry and	No other support				P11124	Chemical characterization of	Chemistry	1	0.33
Colleen Hansel (P)	С	Institution Woods Hole Oceanographic	Geochemistry, Marine Chemistry and Geochemistry						marine plastic partial photochemical oxidation		/	
Amy McKenna (S)	С	Institution National High Magnetic Field Laboratory	ICR									
Sydney Niles (G)	С	National High Magnetic Field Laboratory	Chemistry									Ì
Ryan Rodgers (S)	С	National High Magnetic Field Laboratory	ICR									
Anna Walsh (G)	С	Woods Hole Oceanographic Institution	Marine Chemistry and Geochemistry									
Chad Weisbrod (S)	С	National High Magnetic Field Laboratory	ICR									
Andrew Wozniak (S)	PI	University of Delaware	School of Marine Science and Policy	University of Delaware	US College and University	Start Up	-	P19159	Environmental controls on the chemical	Chemistry	1	0.33
Alina Ebling (T)	С	University of Delaware	Earth, Ocean & Environment	Univ of Delaware	US College and University				composition of Delaware Bay's surface			
Hollie Emery (P)	C	Harvard University	Department of Organismic and Evolutionary Biology		cvc.c.i,				microlayer			
Amy McKenna (S)	С	National High Magnetic Field Laboratory	ICR									Ì
Sunita Shah Walter	С	University of Delaware	School of Marine									
(S) Leland Wood (G)	С	University of Delaware	Science & Policy School of Marine Science and Policy									
Michael Timko (S)	PI	Worcester Polytechnic	Chemical Engineering	MassCEC				P19162	Comprehensive Mass	Chemistry	1	1
Feng Cheng (T)	С	Institute Worcester Polytechnic Institute	Chemical Engineering	NSF	CAREER - Faculty Early Career Development Program		155428		Spectrometer Analysis of Algae and Food Waste Hydrothermal Liquefaction Products			
Daniela Fraga Alvarez (G)	С	Worcester Polytechnic Institute	Department of Chemical Engineering	DOE	Other	DE-SC0015784			,			

		Participants			Funding Sources		Proposal	Proposal Title	Discipline	Ехр.	Days
		me, Role, Org., Dept.)			ng Agency, Division, Award a		#			#	Used
Sergio Granados- Focil (S)	С	Clark University	Department of Chemistry	DOE	Other	DE-EE0008513					1
Amy McKenna (S)	С	National High Magnetic Field Laboratory	ICR								
Robert Nelson (S)	С	Woods Hole Oceanographic Institution	Dept Marine Chemistry and Geochemistry								
Sydney Niles (G)	С	National High Magnetic Field Laboratory	Chemistry								
Alex Paulsen (S)	С	Mainstream Engineering Corp	Defense and Space					/			
Chris Reddy (S)	С	Woods Hole Oceanographic Institution	Geochemistry								
Carla Romo (G)	С	Worcester Polytechnic Institute	Chemical Engineering								
Geoffrey Tompsett (S)	С	Worcester Polytechnic Institute	Chemical Engineering								
Ruihan Zhang (S)	С	Worcester Polytechnic Institute	Dept. Mechanical Engineering					\			
Allison Oliver (S)	PI	Skeena Fisheries Commission	Fisheries	Fisheries and Oceans Canada	Non US Government Lab		P19184	From ice to rainforest: Delineation of complex	Chemistry	1	0.67
Megan Behnke (P)	С	University of Alaska Southeast	Natural Science	Prince Rupert Port Authority	Non US Government Lab	\		DOM sources in coastal Canadian waters			
Paul Covert (S)	С	Fisheries and Oceans Canada	Institute of Ocean Sciences	Skeena River Salmon Enhancement Program	Non US Government Lab	\		\			
Sophia Johannessen (S)	С	Fisheries and Oceans Canada	Institute of Ocean Sciences				\	\			
Amy McKenna (S)	С	National High Magnetic Field Laboratory	ICR				\	`			
Robert Spencer (S)	С	Florida State University	Earth, Ocean & Atmospheric Science								
Sarah Johnston (P)	PI	University of Lethbridge	Biological Sciences	NASA		ABoVE Project 14-TE14- 0012	P19190	The Chemical Composition of	Chemistry	1	189.26
Matthew Bogard (S)	С	University of Lethbridge	Biological Sciences	NASA		ABoVE NNX15AU07A	\	Freshwater			
Kerri Finlay (S)	С	University of Regina	Department of Biology	Delta Stewardship Council Delta Science Program	Other	5298	`	Zooplankton Dissolved Organic Matter Cycling			
Robert Spencer (S)	С	Florida State University	Earth, Ocean & Atmospheric Science								
Boris Lau (S)	PI	University of Massachusetts	Civil and Environmental Engineering	NSF	CBET - Chemical, Bioengineering, Environmental, and Transport Systems	CBET1454443	P19198	Probing the Effects of Sulfidation on the Reactivity of Natural Organic Matter with	Biology, Biochemistry, Biophysics	3	2
Martha Chacon (S)	С	National High Magnetic Field Laboratory	Ion Cyclotron Resonance	University of Massachusetts - Internal Research Grant	Other			Polymer-Capped Silver Nanoparticles by			
Salimar Cordero (0)	С	University of Massachusetts	Civil and Environmental Engineering					Fourier-Transform Ion Cyclotron Resonance			
William Hockaday (S)	С	Baylor University	Geosciences					Mass Spectrometry			
Richard Vachet (S)	С	University of Massachusetts	Chemistry								
Alan Marshall (S)	PI	Amherst  National High Magnetic  Field Laboratory	ICR	NSF	DMR - Division of Materials Research	DMR1644779	P19213	Derivatization of carboxylic acid and	Chemistry	1	3
Lissa Anderson (S)	C	National High Magnetic Field Laboratory	ICR		ateriats Nesedi Cii			alcohol functional groups from photo-			
Joseph Frye (G)	С	National High Magnetic Field Laboratory	CIMAR					oxidized petroleum samples			
Ryan Rodgers (S)	С	National High Magnetic Field Laboratory	ICR					· · · · · · · · · · · · · · · · · · ·			
David Griffith (S)	PI	Willamette University	Chemistry	No other support			P19215	Identification and	Chemistry	1	2.5
William Braaton (U) Carolyn Hutchinson	C C	Willamette University Iowa State University	Chemistry Chemistry					resolution of isobaric interferences of			
(G) Clarissa Lincoln (U)	C	Willamotto University	Chamistry					estrogens in wastewater			
Amy McKenna (S)	C C	Willamette University National High Magnetic Field Laboratory	Chemistry ICR								
Zeljka Popovic (G)	С	Florida State University	Ion Cyclotron Resonance								
'	<del>                                     </del>	-		1			1		1		

		Participants			Funding Sources		Proposal	Proposal Title	Discipline	Ехр.	Days
		ame, Role, Org., Dept.)		(Fundi	ng Agency, Division, Award #)		#			#	Used
Chad Weisbrod (S)	С	National High Magnetic Field Laboratory	ICR								
Hiarhi Monda (S)	PI	Bio Huma Netics, Inc.	Humic Lab Research	No other support			P19216	Molecular	Chemistry	1	1
Ryan Fountain (T) James Junker (S)	C C	Bio Huma Netics, Inc. Louisiana Universities	Humic Lab Research Aquatic Ecology				/	characterization of natural organic matter			
Jailles Julikei (5)	C	Marine Consortium	Aquatic Ecology				/	(NOM) and its fractions			
Richard Lamar (S)	С	Bio Huma Netics, Inc.	R&D				/	(humic and fulvic acids)			
Elena Vialykh (P)	С	University of Colorado,	Civil, Environmental &				/	from ores, peat, and compost and			
		Boulder	Architectural Engineering				/	correlation with their			
			Linginicaring					plant biostimulant activity			
Cynthia Heil (S)	PI	Mote Marine Laboratory	Red Tide Institute	NOAA/NOS/NCCOS/Competitive Research Award	Other	NA19NOS4780183	P19223	Molecular composition and bioavailability of	Biology, Biochemistry,	1	1
Huan Chen (S)	С	National High Magnetic	Ion Cyclotron					dissolved organic nutrients in urban	Biophysics		
Patricia Holland (S)	С	Field Laboratory Mote Marine Laboratory	Resonance HAB Ecology and					stormwater and			
(2,	-	,	Mitigation					municipal wastewater			
Mary Lusk (G)	С	University of Florida	Soil and Water Science					discharges to the Florida red tide			
Amy McKenna (S)	С	National High Magnetic	Dept. ICR					dinoflagellate Karenia			
,		Field Laboratory				1		brevis			
Amanda Muni-Morgan (G)	С	University of Florida	Soil and Water Sciences					\			
Michael Stukel (S)	PI *	Florida State University	Earth, Ocean, and Atmospheric Science	NSF	OCE - Ocean Sciences	OCE1637632	P19226	Characterizing alterations in sinking	Chemistry	1	7.67
Huan Chen (S)	С	National High Magnetic	Ion Cyclotron	NSF	OCE - Ocean Sciences	OCE1756610	1	organic matter in the			
Thomas Kelly (G)	С	Field Laboratory Florida State University	Resonance Earth, Ocean &	NSF	OCE - Ocean Sciences	OCE1851347	\	pelagic ocean			
momas Ketty (6)	C	Florida State University	Atmospheric Sciences	NSF	OCE - Ocean Sciences	UCE1031347	\	`			
Amy McKenna (S)	С	National High Magnetic	ICR	NOAA	Other US Federal	NOAA-NOS-NCCOS- 2017-2004875	\				
Zeljka Popovic (G)	С	Field Laboratory Florida State University	Ion Cyclotron		Agency	2017-2004875					
		•	Resonance								
Jeffrey Chanton (S)	PI	Florida State University	Department of Earth, Ocean and Atmospheric	DOE	Other	DE-SC0007144	P19276	Characterizing the relationship between	Chemistry	1	0.67
			Science				`	peatland temperature			
Amy McKenna (S)	С	National High Magnetic	ICR	DOE	Other	DE-SC0012088		stability and DOM			
Rachel Wilson (S)	С	Field Laboratory Florida State University	EOAS	DOE	Other	Award No. Pending		composition			
Ruchet Witson (5)		r torida state omversity	LUAS	Oak Ridge National Laboratory	US Government Lab	DE-AC05-000R22725					
Robert Spencer (S)	PI	Florida State University	Earth, Ocean & Atmospheric Science	Alaska EPSCoR		OIA-1757348	P19289	Global perspective on the sources, cycling and	Chemistry	1	0.45
Tom Battin (S)	С	Ecole Polytechnique	ENAC IEE SBER	NSF	DEB - Division of	DEB1145932		composition of			
		Federale de Lausanne			Environmental Biology			dissolved organic			
Vincent De Staerke (T)	С	Ecole Polytechnique Federale de Lausanne	Stream Biofilm and Ecosystem Research	NSF	OCE - Ocean Sciences	OCE1333157		matter exported from mountain glaciers			
			Laboratory					-			
Jason Fellman (S)	С	University of Alaska Southeast	Environmental Science								
Amy Holt (G)	С	Florida State University	EAOS								
Eran Hood (S)	С	University of Alaska Southeast	Environmental Science								
Anne Kellerman (P)	C	Florida State University	Earth, Ocean and								
Wenbo Li (G)	С	Florida State University	Atmospheric Science Earth, Ocean& Atmospheric Science								
Amy McKenna (S)	С	National High Magnetic Field Laboratory	ICR								
Hannes Peter (S)	С	Ecole Polytechnique Federale de Lausanne	Stream Biofilm and Ecosystem Research								
		\	Lab								
Martina Schön (T)	С	Ecole Polytechnique Federale de Lausanne	Stream Biofilm and Ecosystem Research								
		. Sucrate de Edusamie	Laboratory								
Aron Stubbins (S)	С	Northeastern University	Marine and								
			Environmental Science						l		

		Double le code			Fredha Como		D	Description Title	Discheller -	F	Davis
	()	Participants Name, Role, Org., Dept.)		(Fundi	Funding Sources ng Agency, Division, Award #	r)	Proposal #	Proposal Title	Discipline	Exp.	Days Used
Michael Styllas (P)	С	Ecole Polytechnique Federale de Lausanne	Stream Biofilm and Ecosystem Research Laboratory								
Matteo Tolosano (T)	С	Ecole Polytechnique Federale de Lausanne	Stream Biofilm and Ecosystem Research								
Sasha Wagner (P)	С	University of Georgia	Laboratory Marine Sciences and Oceanography								
Pierre Giusti (S)	PI	Total	Research & Technology	Conseil Régional d'Aquitaine		20071303002PFM	P19298	Analysis of Petroleum	Biology,	1	1
Nelson Acevedo (S)  Carlos Afonso (S)	С	University of Pau and Pays de l'Adour Normandy University	IPREM Chemistry	FEDER EU		31486/08011464 636829		Products by Gel Permeation Chromatography (GPC)	Biochemistry, Biophysics		
Brice Bouyssiere (S)	C	University of Pau and	IPREM	Total and the university of pau	Other	030027		Online with Industively			
Herve Carrier (S)	С	Pays de l <sup>'</sup> Adour University of Pau and	UPPA	et des pays de l'adour		- 1		Coupled Plasma Mass Spectrometry (ICP MS) and with Fourier			
Jimmy Castillo (S)	С	Pays de l'Adour Central University of Venezuela	Escuela de Quimica					Transform Ion Cyclotron Resonance Mass			
Martha Chacon (S)	С	National High Magnetic Field Laboratory	Ion Cyclotron Resonance					Spectrometry (FT-ICR MS)			
Jean-Luc Daridon (S)	С	University of Pau and Pays de l'Adour	IPREM			1		\			
Pierre Giusti (S)	С	Total	Refining and Chemicals			1		\			
Caroline Mangote (S) Aurora Mejia (S)	C C	Total University of Pau and	Research & Technology UPPA			\		\			
Remi Moulian (G)	С	Pays de l'Adour National High Magnetic	ICR			\					
Sandra Mounicou (S)	С	Field Laboratory University of Pau and	Chimie Analytique				\				
Vincent Piscitelli (S)	С	Pays de l'Adour Central University of Venezuela	Escuela de Quim'ica								
Sadia Radji (S)	С	University of Pau and Pays de l'Adour	UPPA								
Ryan Rodgers (S)	С	National High Magnetic Field Laboratory	ICR				\			/	
Fang Zheng (S)	C PI	University of Pau and Pays de l'Adour	Centre National de la Recherche Scientifique	NSF	CBET - Chemical,	CBET1804736	Dinana	Disabourling the	Ch a mai a time.	1	0.25
Juliana D'Andrilli (S)	PI	Louisiana Universities Marine Consortium (LUMCON)	Environmental Chemistry	NSF	Bioengineering, Environmental, and Transport Systems	CBE11804/36	P19300	Disentangling the Underlying Chemistry of Absorbance and Fluorescence	Chemistry	'	0.25
Martha Chacon (S)	С	National High Magnetic Field Laboratory	Ion Cyclotron Resonance					Spectroscopy: Coupling Multi-detector Size-			
Sarah Fischer (P)	С	University of Colorado, Boulder	Civil, Environmental and Architectural Engineering					Exclusion Based Fractionation of Dissolved Organic			
Amy McKenna (S)	С	National High Magnetic Field Laboratory	ICR					Matter to Molecular- Level FT-ICR MS		_	
Fernando Rosario-	С	University of Colorado,	Environmental					Composition Analysis			
Ortiz (S) Amin Mirkouei (S)	PI	Boulder University of Idaho	Engineering Mechanical and	University of Idaho (EIS Grant)	Other		P19334	Multi-level chemical	Chemistry	1	1.5
Martha Chacon (S)	С	National High Magnetic Field Laboratory	Biological Engineering Ion Cyclotron Resonance					fractionation scheme to enable in-depth characterization of bio-			
Armando McDonald	С	University of Idaho	Department of Forest,					oil			
(S)			Rangeland and Fire Sciences								
Maria Magdalena Ramirez Corredores	С	Idaho National Laboratory	Chemistry and radiation measurements								
Kavita Sharma (P)	С	Idaho State University	Department of Chemistry								
Ethan Struhs (G)	C	University of Idaho	Engineering	Non	0057 01 : :	0.0000000000000000000000000000000000000					
Thomas Borch (S)	PI	Colorado State University	Soil and Crop Science	NSF	CBET - Chemical, Bioengineering, Environmental, and Transport Systems	CBET1512670	P19338	Forest fire-impacted soil organic matter chemistry	Chemistry	3	3.2
	1			•					•		

	(Na	Participants ame, Role, Org., Dept.)		(Fundi	Funding Sources ng Agency, Division, Award #	)	Proposal #	Proposal Title	Discipline	Exp.	Days Used
Martha Chacon (S)	С	National High Magnetic	Ion Cyclotron	USDA - Department of		AFRI 2021-67019034608	/				1
Jim Ippolito (S)	С	Field Laboratory Colorado State	Resonance Soil and Crop Sciences	Agriculture USDA - Department of Agriculture		COL00292D/1020695					
Eugene Kelly (S)	С	University Colorado State University	College of Agricultural Sciences	DOE	Other	SC0021349					
Merritt Logan (G)	С	Colorado State University	Chemistry	DOE	Other	SC0021349	/				
Amy McKenna (S)	С	National High Magnetic Field Laboratory	ICR	DOE	Other	SC00020205					
Frederic Mentink (S)	С	National High Magnetic Field Laboratory	NMR Division	DOE	Other	DE-SC0020205		/			
Amelia Nelson (G)	С	Colorado State University	Soil and Crop Sciences	United States-Israel Binational Science Foundation	Other	2018130		/			
Sydney Niles (G)	С	National High Magnetic Field Laboratory	Chemistry								
Charles Rhoades (S)	С	U.S. Department of Agriculture	Rocky Mountain Research Station								
Holly Roth (G)  Mike Wilkins (S)	c c	Colorado State University Colorado State	Chemistry  College of Agricultural								
Robert Young (S)	С	University New Mexico State	Sciences Chemical Analysis &					\			
Robert Toding (3)	C	University, Main Campus	Instrumentation Laboratory			\		\			
Jonathan Sweedler (S)	PI *	University of Illinois at Urbana-Champaign	Department of Chemistry	NIH	NHGRI - National Human Genome Research Institute	HG010023	P19357	High Resolution MALDI Mass Spectrometry for Single-cell and	Biology, Biochemistry, Biophysics	1	8.83
Sara Bell (G)	С	University of Illinois at Urbana-Champaign	Department of Chemistry	NIH	NIDA - National Institute on Drug Abuse	DA018310	\	Subcellular Measurements	Біорпузіся		
Daniel Castro (G)	С	University of Illinois at Urbana-Champaign	Molecular and Integrative Physiology								
Donald Smith (S)	С	National High Magnetic Field Laboratory	ICR								
Karl Smith (P)	С	National High Magnetic Field Laboratory	ICR							/	
Richard Xie (G)	С	University of Illinois at Urbana-Champaign	Department of Bioengineering								
Estrella Rogel (S) Martha Chacon (S)	PI C	Chevron ETC National High Magnetic	Products and Analytical Ion Cyclotron	Chevron Research	Other		P19359	Entangling Petroleum Properties with	Chemistry	1	5
Martila Cilacon (3)	C	Field Laboratory	Resonance					Molecular Composition:			1
Francisco Lopez	С	Chevron, Richmond	Downstream and					Analysis of Asphaltene			i l
Linares (S)			Service-Petroleum and Material					Fractions by High- Temperature GC			1
			Characterization					Coupled to ICP MS.			1
Jenny Nelson (S)	С	Agilent Technologies	Atomic Spectroscopy								i l
Cesar Ovalles (S)	С	Chevron Energy Tech. Comp.	Downstream and Services								i l
Ryan Rodgers (S)	С	National High Magnetic Field Laboratory	ICR							1	
Colleen McMahan (S)	PI	U.S. Department of Agriculture	Bioproducts Research Unit/Western Regional	USDA - Department of Agriculture		2030-24-1410-022D	P19457	Determination of isoprenoid pathway	Biology, Biochemistry,	1	0.33
Catherine Brewer (S)	c	New Mexico State University, Main Campus	Research Center Chemical and Materials Engineering	New Mexico State University Agricultural Experiment Station	US College and University			metabolites in bioengineered guayule	Biophysics		
Mostafa Dehghanizadeh (G)	С	New Mexico State University, Main Campus	Chemical and Materials Engineering								
Claudia Galvan (T)	С	New Mexico State University, Main Campus	Plant and Environmental Science								
F. Omar Holguin (S)	С	New Mexico State University, Main	Department of Plant and Environmental								
Jackie Jarvis (S)	С	Campus New Mexico State University, Main Campus	Science Plant and Environmental Sciences								
	<b>\</b>	Campus		1			ı	l	1		

		Participants			Funding Sources		Proposal	Proposal Title	Discipline	Ехр.	Days
Amy McKenna (S)	C (	Name, Role, Org., Dept.) National High Magnetic	ICR	(Fundi	ng Agency, Division, Award #)		# /			#	Used
		Field Laboratory									ı
Dante Placido (P)	С	U.S. Department of Agriculture	Bioproducts Research Unit/Western Regional								ı
		Agriculture	Research Center								ı
Sergei Shalygin (G)	С	New Mexico State	Plant and				/				ı
		University, Main Campus	Environmental Science				/				ı
Ryan Rodgers (S)	PI	National High Magnetic	ICR	No other support			P19464	Understanding of	Chemistry	1	5.75
Joseph Frye (G)	С	Field Laboratory National High Magnetic Field Laboratory	CIMAR			/		Emulsion Formation from Photo-Oxidized Crude Oils			]
Alan Marshall (S)	С	National High Magnetic Field Laboratory	ICR								 
Mary Zeller (P)	PI	Leibniz Institute for	Department of Marine	Deutsche	Non US Foundation	GRK 2000/1	P19474	Linking the carbon and	Chemistry	2	0.5
		Baltic Sea Research Warnemünde	Geology	Forschungsgemeinschaft				sulfur cycles in the regeneration process of			I
Michael Böttcher (S)	С	Leibniz Institute for Baltic Sea Research Warnemünde	Geosciences					a historically brackish diked peatland			
Anna-Kathrina Jenner	С	Leibniz Institute for	Geochemistry and					\			I
(G)		Baltic Sea Research	stable Isotope			1		\			1
Amy McKenna (S)	С	Warnemünde National High Magnetic	Geochemistry ICR			\		\			]
Catia Milene von Ahn	С	Field Laboratory Leibniz Institute for	Marine Geology			\		\			I
(G)		Baltic Sea Research Warnemünde	5,				\	\			1
Jon Hawkings (P)	PI	Florida State University	Earth, Ocean and Atmospheric Sciences	European Research Council	Non US Council	793962	P19475	Glacial influence on organic matter export in	Chemistry	1	0.14
Nathan Bramall (S)	С	Leiden Technology LLC	Technology				\	polar watersheds			I
Kathryn Bywaters (S) Brent Christner (S)	C C	Honeybee Robotics University of Florida	Microbiology & Cell				\				I
brent christier (3)	C	Offiver Sity of Florida	Science								I
Peter Doran (S)	С	Louisiana State University	Geobiology and Geophysics							/	İ
Ashley Dubnick (P)	С	Montana State University	Earth Sciences								
Anne Kellerman (P)	С	Florida State University	Earth, Ocean and Atmospheric Science								1
Matthew Marshall (G)	С	University of Bristol	School of Geographical Sciences								]
Amy McKenna (S)	С	National High Magnetic Field Laboratory	ICR								1
Jay Nadeau (S)	С	Portland State University	Physics								1
Mark Skidmore (S)	С	Montana State University	Department of Earth Sciences								l
Carl Snyder (G)	С	Portland State University	Physics							1	1
Robert Spencer (S)	С	Florida State University	Earth, Ocean & Atmospheric Science								İ
Jemma Wadham (S)	C	University of Bristol	School of Geographical Sciences								İ
Diego Cobice (S)	PI	Ulster University	Biomedical Sciences	Department for the Economy (DfE) Randox Laboratories Ltd.	Other	Case number : 2018133NI	P19498	Spatial distribution of reactive aldehydes and	Biology, Biochemistry,	1	6.17
Simon Brockbank (S)	С	Randox Laboratories Ltd	R&D	(,				discovery of potential tissue lipids markers in	Biophysics		İ
Carla Harkin (G)	С	Ulster University	Mass spectrometry					type 2 diabetes mouse			I
Tara Moore (S) Donald Smith (S)	C C	Ulster University National High Magnetic	Biomedical Sciences ICR					kidney by MSI			1
	С	Field Laboratory  National High Magnetic	ICR								]
Karl Smith (P)		Field Laboratory		No other support			D10 / 00	Malagulan	Chamaiat	4	F 00
Ryan Rodgers (S)	PI	National High Magnetic Field Laboratory	ICR	No other support			P19499	Molecular Characterization of	Chemistry	1	5.33
Martha Chacon (S)	С	National High Magnetic Field Laboratory	Ion Cyclotron Resonance					Water-Soluble Photooxidation			

		Participants			Funding Sources		Proposal	Proposal Title	Discipline	Ехр.	Days
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Thomas Ennis (S)	С	City of Austin, Texas	Watershed Protection Department					Products from Coal Tar Sealant and Asphalt			
Taylor Glattke (G)	С	Florida State University	ICR					Emulsion Sealant to			
Steve Greason (0)	Č	Sitelab Corporation	Lab Dept.					Determine			
Sarajeen Saima	Ċ	Florida State University	Civil and Environmental					Anthropogenic Effects			
Hogue (G)	•	. torrae otate omireron,	Engineering				/	on the Built			
Ishwar Kohale (G)	С	Massachusetts Institute	Koch Institute				/	Environment			
		of Technology					/				
Forest White (S)	С	Massachusetts Institute	Biological Engineering				/				
		of Technology					1				
James McClelland (S)	PI	University of Texas at	Marine Science Institute	NSF	OPP - Office of Polar	OPP1656026	P19500	Leaching and Biolability	Chemistry	1	0.25
Manage Dalastes (D)	•	Austin	National Colonia	NCE	Programs	0001020020		of Dissolved Organic Matter from Eroding			
Megan Behnke (P)	С	University of Alaska Southeast	Natural Science	NSF	OPP - Office of Polar Programs	OPP1938820		Permafrost along the			
Emily Bristol (G)	С	University of Texas,	Marine Science		Frograms	1		Alaska Beaufort Sea			
Ellilly Bristot (6)	C	Austin	Marine Science			- 1		Coast			
Amy McKenna (S)	С	National High Magnetic	ICR								
,		Field Laboratory									
Robert Spencer (S)	С	Florida State University	Earth, Ocean &			1		<b>I</b>			
•			Atmospheric Science								
Calvin Mukarakate (S)	PI	National Renewable	National Bioenergy	DOE	BETO - Bioenergy	DE-AC36-08-G028308	P19502	Impacts of Biomass	Chemistry	1	0.83
		Energy Laboratory	Center		Technologies Office	1		Feed, Catalyst, and			
Martha Chacon (S)	С	National High Magnetic	Ion Cyclotron			1		Operating Conditions on Molecular			
(/-1-111 11 /C)	•	Field Laboratory	Resonance			\		Transformations during			
Kristiina lisa (S)	С	National Renewable Energy Laboratory	Catalytic Carbon Transformation and			· ·	<b>\</b>	Catalytic Fast Pyrolysis			
		Eller gy Labor ator y	Scale-Up Center				\	Oil			
Steven Rowland (S)	С	National Renewable	National Bioenergy				\				
otoron itoritana (o)	•	Energy Laboratory	Center				\				
Jack Ferrell (S)	PI *	National Renewable	Catalytic Carbon	DOE	BETO - Bioenergy	DE-AC36-08-G028308	R19503	Impact of Aging on	Chemistry	1	0.33
		Energy Laboratory	Transformation &		Technologies Office		\	Catalytic Fast Pyrolysis			
			Scaleup Center				\	Oils			
Martha Chacon (S)	С	National High Magnetic	Ion Cyclotron								
14 : .:: 12 (6)	•	Field Laboratory	Resonance								
Kristiina lisa (S)	С	National Renewable	Catalytic Carbon Transformation and							/	
		Energy Laboratory	Scale-Up Center								
Calvin Mukarakate (S)	С	National Renewable	National Bioenergy								
outviii iriakarakate (5)	·	Energy Laboratory	Center								
Steven Rowland (S)	С	National Renewable	National Bioenergy								
		Energy Laboratory	Center								
Alexandre Anesio (S)	PI *	Aarhus University	Environmental Science	European Research	Other	856416	P19510	Glacial biomarkers:	Biology,	1	0.75
				Commission				searching for source-	Biochemistry,		
Eva Doting (G)	С	Aarhus University	Environmental Science	Danish Ministry of Higher	Non US Ministry	9096-00101B		specific glacial algae	Biophysics		
Anno Kalla (D)	c	Elavida Ctata University	Earth Ocean and	Education and Science				proxies			
Anne Kellerman (P)	С	Florida State University	Earth, Ocean and Atmospheric Science								
Amy McKenna (S)	С	National High Magnetic	ICR								
,	-	Field Laboratory									
Robert Spencer (S)	С	Florida State University	Earth, Ocean &								
			Atmospheric Science								
Yang Lin (S)	PI *	University of Florida	Soil and Water Sciences	No other support			P19511	Chemical	Biology,	1	0.5
Allan Bacon (S)	C	University of Florida	Soil and Water Sciences					characterization of	Biochemistry,		
Daniel Colopietro (G)	C	University of Florida	Soil and Water Sciences					dissolved deep	Biophysics		
Amy McKenna (S)	С	National High Magnetic	ICR					podzolized carbon			
Paniamin Cilbant (C)	PI *	Field Laboratory	Enormy Constitutes	NSF	EAR - Earth Sciences	EAR1854875	DIOFIO	Light and Irre	Chamist	-	0.83
Benjamin Gilbert (S)	PI "	Lawrence Berkeley	Energy Geoscience	INOF	EAR - Earth Sciences	EAR18348/3	P19512	Light- and Iron-	Chemistry	1	0.83
Claresta Joe-Wong	С	National Laboratory Lawrence Berkeley	Earth and					Sensitized Oxidation of Dissolved Organic			
(P)	-	National Laboratory	Environmental Sciences					Matter			
Amy McKenna (S)	С	National High Magnetic	ICR								
,		Field Laboratory									
Robyn Conmy (S)	PI *	Environmental	Office of Research and	EPA			P19519	High Resolution	Chemistry	2	0.48
		Protection Agency	Development					Analysis of			
Mace Barron (S)	С	Environmental	Oil Spill Response					Hydrocarbons to			
Martha Ohana (C)	•	Protection Agency	Research Area					Advance Oil Spill Science			
Martha Chacon (S)	С	National High Magnetic Field Laboratory	Ion Cyclotron Resonance					Science			
	<del>\                                    </del>	i ietu Laboi atti y	resoliance	l .				1	l		

		Participants			Funding Sources			Proposal	Proposal Title	Discipline	Ехр.	Days
Kiara Lech (S)	C (Na	ame, Role, Org., Dept.) Environmental	Oil Spill Response	(Fundir	ng Agency, Division, Award #)	)		#			#	Used
Ridia Lecii (5)	C	Protection Agency	Research Area									ı
Amy McKenna (S)	С	National High Magnetic	ICR									ı
Ryan Rodgers (S)	С	Field Laboratory National High Magnetic Field Laboratory	ICR									
Devi Sundaravadivelu (S)	С	Pegasus Technical Services Inc	On-Site Contractor to U.S. EPA									
Patrick Tomco (S)	PI	University of Alaska	Chemistry Department	NSF	OIA - Office of		1929173	P19522	Photochemically	Chemistry	1	4.17
Amy McKenna (S)	С	Anchorage National High Magnetic Field Laboratory	ICR		Integrative Activities		/		Mobilized Dissolved Organic Matter from Crude Oil, Refined			
David Podgorski (S)	С	University of New Orleans	Department of Chemistry						Fuels, and Herded Burn Residue in High			
Zachary Redman (P)	С	University of Alaska, Anchorage	Chemistry						Latitudes			İ
Elizabeth Whisenhant (G)	С	University of Alaska, Anchorage	Chemistry									
Phoebe Zito (S)	С	University of New Orleans	Chemistry									
Rene Boiteau (S)	PI	Oregon State University	College of Earth, Ocean, Atmospheric Sciences	NSF	OCE - Ocean Sciences	OCE1829761		P19547	Deciphering the sources of trace element binding	Chemistry	1	14.67
Peter Chace (G)	С	Oregon State University	College of Earth, Ocean and Atmospheric Science				\		organic ligands in coastal sediments.			
Amy McKenna (S)	С	National High Magnetic Field Laboratory	ICR				\					İ
Zeljka Popovic (G)	С	Florida State University	Ion Cyclotron Resonance					\				
Clare Reimers (S)	С	Oregon State University	College Earth, Ocean and Atmospheric Sciences									
Chad Weisbrod (S)	С	National High Magnetic Field Laboratory	ICR									
Chris Hendrickson (S)	PI	National High Magnetic Field Laboratory	Ion Cyclotron Resonance Program	No other support				P19548	Analytical Method Development for FT-ICR	Chemistry	6	429
Lissa Anderson (S)	С	National High Magnetic Field Laboratory	ICR	UCGP					MS			İ
Greg Blakney (S)	С	National High Magnetic Field Laboratory	ICR	NIH	NIGMS - National Institute of General Medical Sciences	GM037537						
David Butcher (P)	С	National High Magnetic Field Laboratory	ICR									]
Donald Hunt (S)	С	University of Virginia	Chemistry									ı
Amy McKenna (S)	С	National High Magnetic Field Laboratory	ICR									
Leah Schaffer (G)	С	University of Wisconsin, Madison	Chemistry									
Jeffrey Shabanowitz (S)	С	University of Virginia	Chemistry									
Michael Shortreed (S)	С	University of Wisconsin, Madison	Chemistry									
Lloyd Smith (S)	~	University of Wisconsin, Madison	Chemistry									
Chad Weisbrod (S)	С	National High Magnetic Field Laboratory	ICR									
Brett Poulin (S)	PI	University of California, Davis	Environmental Toxicology	NSF	CAREER - Faculty Early Career Development Program		1945388	P19575	Tracing agricultural sulfur inputs to the environment using	Chemistry	1	0.14
Thomas Borch (S)	С	Colorado State University	Soil and Crop Science	NSF	EAR - Earth Sciences	EAR1629698			advanced dissolved organic sulfur			
Anna Hermes (G)	С	University of Colorado, Boulder	Institute of Arctic and Alpine Research	University of Colorado Boulder Center for Water, Earth Science	US College and University				characterization			
Eve-Lyn Hinckley (§)	С	University of Colorado,	Institute of Arctic and	and Technology								
Merritt Logan (G)	С	Boulder Colorado State	Alpine Research Chemistry									
		University		1						l		

	(N	Participants Iame, Role, Org., Dept.)		(Fundi)	Funding Sources ng Agency, Division, Award #	)	Proposal #	Proposal Title	Discipline	Exp.	Days Used
Amy McKenna (S)	С	National High Magnetic Field Laboratory	ICR								
Livia Schiavinato Eberlin (S)	PI *	University of Texas, Austin	Chemistry	NIH	NCI - National Cancer Institute	CA229068	P19585	Identification of a Molecular Biomarker of	Biology, Biochemistry,	2	4
Lissa Anderson (S)	С	National High Magnetic Field Laboratory	ICR	Welch Foundation Development of Ambient Ionization Ion Mobility Mass Spectrometry Imaging for Spatial and Chemical Lipids Analysis in	Other	F-1895		Thyroid Tissue	Biophysics		
Martha Chacon (S)	С	National High Magnetic Field Laboratory	Ion Cyclotron Resonance	Biological Samples Cancer Prevention and Research Institute of Texas CPRIT - IIRACT	Other	RP180381					
Rachel DeHoog (G)	С	University of Texas, Austin	Chemistry	The Gordon and Betty Moore Foundation	Other US Federal Agency	Moore Inventor Fellow					
Karl Smith (P)	С	National High Magnetic Field Laboratory	ICR	UTA	US Foundation	20-000069					
Chad Weisbrod (S)	С	National High Magnetic Field Laboratory	ICR								
Ercan Cakmak (S)	PI *	Oak Ridge National	Materials Science and	DOE	Other	N/A	P19586	High Resolution	Chemistry	1	0.67
Martha Chacon (S)	С	Laboratory National High Magnetic	Technology Ion Cyclotron			\		Molecular Characterization of Industrially Relevant			
David Eaton (S)	С	Field Laboratory University of Kentucky	Resonance Center of Applied Energy Research			\		Coals using ESI and FI/FD FT-ICR MS			
Stephan Irle (S)	С	Oak Ridge National Laboratory	Computational Sciences and Engineering Division				$\setminus$	THE THICK INS			
Gang Seob Jung (S)	С	Oak Ridge National Laboratory	Computational Science and Engineering Division					\			
Edgar Lara-Curzio (S)	С	Oak Ridge National Laboratory	Materials Science & Technology Division								
Jonathan Mathews (S)	С	Pennsylvania State University	Energy and Mineral Engineering								
Amy McKenna (S)	С	National High Magnetic Field Laboratory	ICR							/	
Matthew Ryder (S)	С	Oak Ridge National Laboratory	Materials Science and Technology Division								
Frederic Vautard (S)	С	Oak Ridge National Laboratory	Advanced Materials								
Pilsun Yoo (S)	С	Oak Ridge National Laboratory	Materials and Chemical Engineer								
Changchun Huang (S)	PI *	Nanjing University	School of Geography	Nanjing Normal University	Non US College and University		P19601	Molecular-level insights into the degradation and	Chemistry	1	1.67
Anne Kellerman (P)	С	Florida State University	Earth, Ocean and Atmospheric Science					transformation processes of dissolved			
Shuaidong Li (G)	С	Nanjing University	School of Geography					organic matter in sediment and fluvial			ł
Amy McKenna (S)	С	National High Magnetic Field Laboratory	ICR					ecosystems			
Robert Spencer (S)	C	Florida State University	Earth, Ocean & Atmospheric Science	NOT	DIAD Division	DAIDA ( ( FFO	Diarro		5: 1		0.70
Archana Agarwal (S)	PI	University of Utah	Department of Pathology/ARUP Laboratories	NSF	DMR - Division of Materials Research	DMR1644779	P19602	Characterization of beta thalassemia on 21T FT- ICR MS with the	Biology, Biochemistry, Biophysics	1	0.73
Lissa Anderson (S)	С	National High Magnetic Field Laboratory	ICR					application of proton transfer reduction	ыорпузісэ		
Yuan Lin (G)	С	Florida State University	Department of Chemistry and Biochemistry								
Alan Marshall (S)	С	National High Magnetic Field Laboratory	ICR								
Hui Pu (S)	PI *	University of North Dakota	Petroleum Engineering	Ecopetrol			P19603	High Resolution Compositional	Chemistry	2	3.83
Humberto Carvajal Ortiz (S)	С	Core Laboratories	Geoscience Operations US					Characterization of Degraded Crude Oils			
Martha Chacon (S)	С	National High Magnetic Field Laboratory	Ion Cyclotron Resonance					Using Petroleomics			

	(N:	Participants ame, Role, Org., Dept.)		(Fu	Funding Sources unding Agency, Division, Award #)		Proposal	Proposal Title	Discipline	Exp.	Days Used
Thomas Gentzis (S) Miguel Jimenez	C C	Core Laboratories University of North	Petroleum Services Petroleum Engineering	,,,	many Agency, smoon, Andre #/		/			,	0000
Jacome (G) Amy McKenna (S)	С	Dakota National High Magnetic Field Laboratory	ICR				/				
Jorge Orrego-Ruiz (S) Fernando Rojas Ruiz	C C	Ecopetrol Ecopetrol	Upstream laboratory Upstream laboratory				/	/			
(S) Katrina Counihan (S)	PI *	Alaska SeaLife Center	Research	No other support			P19625	Photoenhanced toxicity	Chemistry	1	0.5
Rana Ghannam (G)	C	University of New Orleans	Chemistry	ne sais: support			117020	of crude oil to juvenille Coho salmon		·	
Amy McKenna (S)	С	National High Magnetic Field Laboratory	ICR					/			
Phoebe Zito (S)	С	University of New Orleans	Chemistry			- 1					1
Ryan Rodgers (S)	PI	National High Magnetic Field Laboratory	ICR	iC2MC grant (IPA-5923)	Non US College and University		P19648	Biofuels derived from Algae and Wood /	Chemistry	1	4.08
Brice Bouyssiere (S)	С	University of Pau and Pays de l'Adour	IPREM					Plastic Pyrolysis			
Martha Chacon (S)	С	National High Magnetic Field Laboratory	Ion Cyclotron Resonance			1		\			i
Pierre Giusti (S)	С	Total	Research & Technology			1		\			1
Caroline Mangote (S) Michael Timko (S)	C PI	Total Worcester Polytechnic	Research & Technology Chemical Engineering	DOE	BETO - Bioenergy D	DE-EE0008513	P19652	Comprehensive Mass	Engineering	1	1.33
David Kenney (G)	С	Institute Worcester Polytechnic	Chemical Engineering		Technologies Office			Spectrometer Analysis of Real Food and			
Heather LeClerc (G)	С	Institute Worcester Polytechnic Institute	Chemical Engineering				\	Lignocellulosic Waste Hydrothermal Liquefaction and			
Amy McKenna (S)	С	National High Magnetic Field Laboratory	ICR					Upgrading Products			
Ronish Shrestha (G)	С	Worcester Polytechnic Institute	Chemical Engineering								
Andrew Teixeira (S)	С	Worcester Polytechnic Institute	Chemical Engineering								
Robert Spencer (S)	PI	Florida State University	Earth, Ocean & Atmospheric Science	NSF	GRFP - Graduate G Research Fellowship Program	GRFP1000284	P19660	Tracing organic matter signatures in the Arctic Ocean: do terrestrial	Biology, Biochemistry, Biophysics	1	0.33
Anne Kellerman (P)	С	Florida State University	Earth, Ocean and Atmospheric Science					inputs persist?			
Anna Khreptugova (G)	С	Lomonosov Moscow State University	Chemistry								i
Amy McKenna (S)	С	National High Magnetic Field Laboratory	ICR								
Irina Perminova (S)	С	Lomonosov Moscow State University	Chemistry Department								
Sommer Starr (G)	С	Florida State University	Earth, Ocean, and Atmospheric Science								ĺ
Alan Marshall (S)	PI	National High Magnetic Field Laboratory	ICR	No other support			P19662	Electron Transfer Dissociation with	Biology, Biochemistry,	1	4.33
Lissa Anderson (S)	С	National High Magnetic Field Laboratory	ICR					Beam-collision Activated Dissociation	Biophysics		
Yuan Lin (G)		Florida State University	Department of Chemistry and Biochemistry					for Improved Fragmentation of Intact Proteins			
Hadi Mohammadigoushki (S)	PI *	Florida State University	Chemical and Biomedical Engineering	Florida State University Planning Grant	Other		P19663	Probing adsorption of monoclonal antibodies at the oil-water	Engineering	1	3.5
Lissa Anderson (S)	С	National High Magnetic Field Laboratory	ICR					interface			ĺ
Jamini Bhagu (G)	С	Florida Agricultural and Mechanical University	Chemical ENG								
Samuel Grant (S)	С	National High Magnetic Field Laboratory	Chemical & Biomedical Engineering								
Zeljka Popovic (G)	C	Florida State University	Ion Cyclotron Resonance	Neathern			D40///	Ton Down D	Observices		
Qing-Xiang "Amy" Sang (S)	PI *	Florida State University	Chemistry & Biochemistry	No other support			P19666	Top-Down Proteomic Analysis of	Chemistry	1	2

		Participants			Funding Sources		Proposal	Proposal Title	Discipline	Ехр.	Days
		Name, Role, Org., Dept.)			(Funding Agency, Division, Award #	)	#	•	2.00.	#	Used
Lissa Anderson (S)	С	National High Magnetic Field Laboratory	ICR					Microplastics Exposed Human Lung Cells			ł I
Alexander Mazzorana (U)	С	Florida State University	Department of Chemistry and Biochemistry					Š			
Amy McKenna (S)	С	National High Magnetic Field Laboratory	ICR				/				
Carley Reid (G)	С	Florida State University	Chemistry and Biochemistry								
Mengqiang Zhu (S)	PI	University of Wyoming	Ecosystem Science and	NSF	DEB - Division of Environmental Biology	DEB2027284	P19667	Identifying Mineral Surface Properties	Engineering	1	2.45
Zhen Hu (G)	С	University of Wyoming	Management COLLEGE OF AGRICULTURE AND NATURAL RESOURCES		Environmental Biology			Controlling Magnitude of Molecular Fractionation by			
Amy McKenna (S)	С	National High Magnetic Field Laboratory	ICR					Adsorption on Minerals			
Carson Thompson (G)	С	University of Wyoming	Dept. ECOSYSTEM SCIENCE AND MANAGEMENT								
Tullis Onstott (S)	PI *	Princeton University	Dept. of Geosciences	NSF	EAR - Earth Sciences	EAR1917682	P19668	Abiotic Organic	Biology,	1	0.33
Martha Chacon (S)	С	National High Magnetic Field Laboratory	Ion Cyclotron Resonance			1		Chemistry in an Ancient South African	Biochemistry, Biophysics		i
Amy McKenna (S)	С	National High Magnetic Field Laboratory	ICR				\	Hypersaline Brine			
Devan Nisson (G)	С	Princeton University	Geosciences				\	\			i l
Ryan Rodgers (S)	С	National High Magnetic Field Laboratory	ICR				\				
Clifford Walters (S)	С	University of Texas, Austin	Bureau of Economic Geology				\	\			
Jeffrey Stryker (S)	PI *	University of Alberta	Chemistry	University of Alberta	Non US College and University	CFREF - T09-C01	P19669	Hydrogen-free, Low- temperature,	Chemistry	1	2.17
Martha Chacon (S)	С	National High Magnetic Field Laboratory	Ion Cyclotron Resonance					Electrocatalytic Upgrading of Bitumen			
Ryan Rodgers (S)	С	National High Magnetic Field Laboratory	ICR					Asphaltenes to Hexane- soluble Maltenes			
David Scott (P)	С	University of Alberta	Chemistry				`			/	
Sebastian Doetterl (S)	PI *	ETH Zurich	Environmental Systems Science	ETH Zurich	Non US College and University		P19672	The effect of temperature on quantity	Chemistry	1	0.33
Samuel Bode (P)	С	Ghent University	alsotope Bioscience Laboratory-ISOFYS					and quality of dissolved soil organic carbon			
Pascal Boeckx (S)	С	Ghent University	Applied analytical and physical chemistry								
Martin Kurek (G)	С	Florida State University	Earth, Ocean, and Atmospheric Science								
Amy McKenna (S)	С	National High Magnetic Field Laboratory	ICR								
Robert Spencer (S)	С	Florida State University	Earth, Ocean & Atmospheric Science								
Daniel Wasner (G)	С	Swiss Federal Institute of Technology in Zurich	Department of Environmental Systems Science								
Erick Zagal (S)	С	University of Concepcion	Soils and Natural Resources								
Robert Spencer (S)	Pl	Florida State University	Earth, Ocean & Atmospheric Science	NSF	GRFP - Graduate Research Fellowship Program	GRFP1000284	P19692	The impacts of permafrost thaw and peatland cover on DOM	Biology, Biochemistry, Biophysics	1	1.08
Karen Frey (S)	С	Clark University	Graduate School of Geography	NSF	DEB - Division of Environmental Biology	DEB2029585		composition in west Siberian watersheds			
Martin Kurek (G)	С	Florida State University	Earth, Ocean, and Atmospheric Science	NSF	OPP - Office of Polar Programs	OPP2124464					
Amy McKenna (S)	С	National High Magnetic Field Laboratory	ICR								
Romy Chakrahorty (S)	PI	Lawrence Berkeley National Laboratory	Ecology	DOE	BER - Biological and Environmental Research	DE-AC02-05CH11231	P19706	Characterizing transformation of natural organic matter	Chemistry	1	0.92
Sara Gushgari-Doyle (P)	С	Lawrence Berkeley National Laboratory	Earth & Environmental Sciences	Lawrence Berkely Lab	US Government Lab	ENIGMA-Ecosystems and Networks Integrated with Genes		by key indigenous microorganisms			

		Participants			Funding Sources		Proposal	Proposal Title	Discipline	Ехр.	Days
		Name, Role, Org., Dept.)		(Fundi	ng Agency, Division, Award #	and Molecular	#/	interrestrial subsurface		#	Used
A M. (C)		National III at Manager	100			Assemblies	/	sediments			
Amy McKenna (S)	С	National High Magnetic Field Laboratory	ICR								ĺ
Xiaoqin Wu (S)	С	Lawrence Berkeley National Laboratory	Department of Ecology								
Amie Lund (S)	PI *	University of North Texas	Biological Sciences - Advanced	NIH	NIEHS - National Institute of	ES026795	P19719	Top-Down Proteomics Analysis of Alterations	Biology, Biochemistry,	1	5.5
		Texas	Environmental		<b>Environmental Health</b>		/	in Protein Expression	Biophysics		
Lissa Anderson (S)	С	National High Magnetic	Research Institute ICR		Sciences			and Modification in the Liver of C57Bl/6 Mice in			
		Field Laboratory				- 1		Response to Mixed			
Leah Schneider (G)	С	University of North Texas	Department of Biological Sciences					Vehicle Emissions and/or High Fat Diet			
Ryan Rodgers (S)	PI	National High Magnetic Field Laboratory	ICR	Various			P19743	Consumption. OMICS LLC	Chemistry	1	0.25
Martha Chacon (S)	С	National High Magnetic	Ion Cyclotron								
Chris Hendrickson (S)	С	Field Laboratory National High Magnetic	Resonance Ion Cyclotron								
Cili is Heliai icksoli (5)		Field Laboratory	Resonance Program								
Murray Gray (S)	PI *	Alberta Innovates	Advanced Hydrocarbons	NSF	DMR - Division of Materials Research	DMR1644779	P19753	Molecular Characterization of	Chemistry	1	2.5
Paolo Bomben (S)	С	Alberta Innovates	Advanced Hydrocarbons				\	Carbon Fiber Feedstocks Derived			
Martha Chacon (S)	С	National High Magnetic	Ion Cyclotron Resonance				\	From Oilsands Bitumen			
Ryan Rodgers (S)	С	Field Laboratory National High Magnetic	ICR				\	\			
Christopher Rüger (S)	С	Field Laboratory University of Rostock	Interdisciplinary				\	\			
Christopher Ruger (3)	C	Oliversity of Rostock	Faculty, Department Life, Light & Matter								
Francesca Kerton (S)	PI *	Memorial University of Newfoundland	Chemistry	Natural Sciences and Engineering Research Council	Non US Foundation		P19754	Analytical methods for biochar	Chemistry	1	1.83
		Newloullulallu		(NSERC)				characterization by FT-			
Martha Chacon (S)	С	National High Magnetic Field Laboratory	Ion Cyclotron Resonance	Canada Foundation for Innovation	Non US Foundation		\	ICR MS	`	/	ĺ
Huan Chen (S)	С	National High Magnetic	Ion Cyclotron	Provincial Govt of	Other Non US Federal						ĺ
Stephanie MacQuarrie	С	Field Laboratory	Resonance	Newfoundland and Labrador Memorial University of	Agency Non US College and						ĺ
(S)	C	Cape Breton University	Chemistry	Newfoundland (MUN)	University						
Amy McKenna (S)	С	National High Magnetic Field Laboratory	ICR								
Juliana Vidal (G)	С	Memorial University of	Chemistry								
Roderich Süssmuth	PI *	Newfoundland Technical University of	Institut für Chemie	Proposal is not subject to	Other Non US Federal		P19769	First Large-Scale	Biology,	1	2
(S)		Berlin		external funding	Agency			Proteomic Analysis of	Biochemistry,		i -
Lissa Anderson (S)	С	National High Magnetic Field Laboratory	ICR					Viperine Venoms by 21T FT-ICR MS	Biophysics	_	
Maik Damm (G)	С	Technical University of	Department of								
Benjamin-Florian	С	Berlin Humboldt University of	Chemistry BCRT								
Hempel (P)		Berlin	Dia and a contract								
Ayse Nalbantsoy (S) Youneng Tang (S)	PI	Ege University Florida State University	Bioengineering Civil and Environmental	Hinkley Center for Solid and			P19776	Non-Thermal Plasma	Engineering	1	10
• • •	•		Engineering	Hazardous Waste Management				Degradation of Per- and Polyfluoroalkyl			
Radha Krishna Murthy Bulusu Raja (G)	С	Florida State University	Chemical and Biomedical Engineering					Substances from			1
Karam Eeso (U)	С	Florida State University	Chemical Engineering					Landfill Leachate			
Rachel Gallan (G) Bruce Locke (S)	C C	Florida State University Florida State University	chemical engineering FAMU-FSU College of								ĺ
		\	Engineering								1
Mojtaba Nouri Goukeh (G)	С	Florida State University	Civil and Environmental engineering								
Robert Wandell (S)	С	Florida State University	Chemical and Biomedical Engineering								
Viji Sitther (S)	PI	Morgan State University	Biology	NSF	CBET - Chemical, Bioengineering,	CBET1900966	P19779	Oxidative stress induced impact of cell-	Chemistry	1	15
	<b>\</b>			L	היטפווקווופפו IIIY,		·	maacea impact oi cett-	1	1	

	Participants (Name, Role, Org., Dept.)				Funding Sources (Funding Agency, Division, Award &	<b>‡</b> )	Proposal #	Proposal Ti	tle	Discipline	Exp. #	Days Used
					Environmental, and Transport Systems			penetrating nanoparticles on				
Huan Chen (S)	С	National High Magnetic Field Laboratory	Ion Cyclotron Resonance					cellular constitue a cyanobacterial				1
Samson Gichuki (G)	С	Morgan State University	Department of Biology				/					l
Mst Sayadujjhara (G)	С	Morgan State University	Biology				/					l
LaDonna Wyatt (U)	С	Morgan State University	Biology				/					l
Yavuz Yalcin (P)	С	Morgan State University	Biology				/					
Robert Spencer (S)	PI	Florida State University	Earth, Ocean & Atmospheric Science	NSF	OPP - Office of Polar Programs	OPP2029585	P19786	Tracing Permafro		Chemistry	1	0.95
Steven Kokelj (S)	С	Northwest Territories Geological Survey	Geochemistry	NSF	OPP - Office of Polar Programs	OPP2124464		Plateau, Canada				
Amy McKenna (S)	С	National High Magnetic Field Laboratory	ICR	NSF	DEB - Division of Environmental Biology	DEB2029585						1
Megan Moore (G)	С	Florida State University	Earth, Ocean, and Atmospheric Sciences		-							1
Jaedyn Smith (G)	С	University of Alberta	Biological Sciences									i
Suzanne Tank (S)	С	University of Alberta	Department of Biological Sciences									
Marina Taskovic (G)	С	University of Alberta	Biological Sciences									
								Total Pr	posals:	Experi	iments:	Days:
							1		75		91	794

## 5. NMR FACILITY

		Participants			Funding Sources		Proposal #	Proposal Title	Discipline	Exp.	Days
Myriam Cotten (S)	PI	Name, Role, Org., Dept.)  College of William and	Applied Science	NSF	(Funding Agency, Division, Award #)  MCB - Molecular and	MCB1716608	P17425	Investigating Host	Biology,	3	<b>Used</b> 77.5
Riqiang Fu (S)	С	Mary National High Magnetic	NMR		Cellular Biosciences			Defense Mechanisms at Biological Membranes	Biochemistry, Biophysics		
Zhehong Gan (S)	PI	Field Laboratory National High Magnetic	NHMFL	No other support			P17597	Development of 1.5 GHz	Magnets,	1	8
William Brey (S)	С	Field Laboratory National High Magnetic	NMR				/	NMR using 36T Series- Connected-Hybrid (SCH) Magnet	Materials		
Kuizhi Chen (P)	С	Field Laboratory National High Magnetic Field Laboratory	NMR				/	Magnet			
Po-Hsiu Chien (G)	С	Florida State University	Chemistry and Biochemistry				1/	/			
Tim Cross (S)	С	National High Magnetic Field Laboratory	NHMFL/Chemistry & Biochemistry				П				
Ivan Hung (S)	С	National High Magnetic Field Laboratory	CIMAR/NMR				11				
Ilya Litvak (S)	С	National High Magnetic Field Laboratory	CIMAR/NMR				11				
Joana Paulino (P)	С	National High Magnetic Field Laboratory	CIMAR				11	\			
Jeffrey Schiano (S)	С	Pennsylvania State University	Electrical Engineering				$\Box$	\			
Bruce Bunnell (S)	PI	Tulane University	Pharmacology	NIH	NINDS - National Institute of Neurological Disorders and Stroke	NS102395	P17628	In vivo tracking of cell therapy to treat stroke: Cell migration & 23Na MRI	Biology, Biochemistry, Biophysics	25	51
Frederick Bagdasarian (G)	С	Florida State University	College of Engineering				\				
Cesario Borlongan (S)	С	University of South Florida	College of Medicine, Neurosurgery								
Shannon Helsper (G)	С	National High Magnetic Field Laboratory	NMR				\				
Teng Ma (S)	С	Florida State University	Chemistry & Biomedical Engineering								
Jens Rosenberg (S)	С	National High Magnetic Field Laboratory	AMRIS								
Xuegang Yuan (G)	С	Florida State University	Chemical & Biomedical Engineering								
Kwang Hun Lim (S)	PI	East Carolina University	Chemistry	NIH	NINDS - National Institute of Neurological Disorders and Stroke	NS097490	P17630	Molecular Basis of Distinct Tau Strains and their Prion-like	Biology, Biochemistry, Biophysics	4	33
Anvesh Kumar Reddy Dasari (G)	С	East Carolina University	Chemistry					Propagation			
Sungsool Wi (S)	С	National High Magnetic Field Laboratory	NMR								
Bo Chen (S)	PI	University of Central Florida	Department of Physics	NSF	MCB - Molecular and Cellular Biosciences	MCB1856055	P17687	Molecular basis of tunable iridescence of	Biology, Biochemistry,	1	7
Zhehong Gan (S)	С	National High Magnetic Field Laboratory	NHMFL					cephalopods	Biophysics		
Ivan Hung (S)	C PI	National High Magnetic Field Laboratory	CIMAR/NMR	Non	0.15	01154000770	DANIE (	T	5: 1		
Lucio Frydman (S)		National High Magnetic Field Laboratory	NMR	NSF	CHE - Chemistry	CHE1808660	P17754	Three-Spins Solution State DNP	Biology, Biochemistry,	1	5
Adewale Akinfaderin (G)	С	Florida State University	Physics						Biophysics		
Thierry Dubroca (S)	c c	National High Magnetic Field Laboratory National High Magnetic	EMR EMR								
Stephen Hill (S)  Krishnendu Kundu (P)	С	Field Laboratory National High Magnetic	EMR								
		Field Laboratory									
Murari Soundararajan (P)	С	National High Magnetic Field Laboratory	CIMAR, NMR								
Johan van Tol (S)	C C	National High Magnetic Field Laboratory	EMR NMR								
Sungsool Wi (S)	· ·	National High Magnetic Field Laboratory	личг.								

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	0	Participants Name, Role, Org., Dept.)		(F	Funding Sources Funding Agency, Division, Award #)		Proposal #	Proposal Title	Discipline	Exp.	Days Used
Sabyasachi Sen (S)	PI	University of California,	Chemical Engineering	NSF	DMR - Division of	DMR1855176	P17811	Investigation of the	Condensed Matter	6	37
Zhehong Gan (S)	С	Davis National High Magnetic	and Materials Science NHMFL		Materials Research		/	atomistic basis of structural relaxation and viscous flow in	Physics		
Ivan Hung (S)	С	Field Laboratory National High Magnetic	CIMAR/NMR					supercooled chalcogenide liquids by high field			
Yiqing Xia (G)	С	Field Laboratory University of California, Davis	Materials Science				/	dynamical NMR spectroscopy			
Bing Yuan (G)	С	University of California, Davis	Engineering				/	/			
Weidi Zhu (G)	С	University of California, Davis	Materials Science & Engineering				/				
Jeffrey Schiano (S)	PI	Pennsylvania State University	Electrical Engineering	NIH	NIGMS - National Institute of General Medical Sciences	GM122698	P17819	Flux Regulation for Powered Magnets	Engineering	1	3
William Brey (S)	С	National High Magnetic Field Laboratory	NMR								
Ilya Litvak (S)	С	National High Magnetic Field Laboratory	CIMAR/NMR								
Xinxing Meng (G)	С	Pennsylvania State University	Electrical Engineering					\			
Waroch Tangbampensountorn (G)	С	Pennsylvania State University	Electrical Engineering				\	\			
Gang Wu (S)	PI	Queen's University at	Chemistry	No other support			P17856	Development of solid-	Chemistry	23	144
David Bryce (S)	С	Kingston University of Ottawa	Department of Chemistry and Biomolecular	NIH	NIGMS - National Institute of General Medical	GM122698		state NMR methods for applications at high-field and the 36 T SCH magnet			
Kuizhi Chen (P)	С	National High Magnetic Field Laboratory	Sciences NMR	NSF	Sciences DMR - Division of Materials Research	DMR1855176	\				
Po-Hsiu Chien (G)	С	Florida State University	Chemistry and Biochemistry		Materials Research						
Tim Cross (S)	С	National High Magnetic Field Laboratory	NHMFL/Chemistry & Biochemistry								
Petr Gor'kov (S)	С	National High Magnetic Field Laboratory	CIMAR								
Robert Griffin (S)	С	Massachusetts Institute of Technology	Chemistry								
Ivan Hung (S)	С	National High Magnetic Field Laboratory	CIMAR/NMR								
Sabyasachi Sen (S)	С	University of California, Davis	Chemical Engineering and Materials Science								
Amrit Venkatesh (G)	С	Iowa State University	Chemistry								
Yijue Xu (P)	С	National High Magnetic Field Laboratory	solid-state NMR								
Jeffery White (S)	PI	Oklahoma State University	Chemical Engineering	NSF	CHE - Chemistry	CHE1764116	P17925	Elucidating H+/Al Siting and Chemical Structures	Chemistry	4	18
maryam Abdolrahmani (G)	С	Oklahoma State University	Chemistry					in Zeolites by Ultra-High Field NMR			
Kuizhi Chen (P)	С	National High Magnetic Field Laboratory	NMR								
Zhehong Gan (S)	C	National High Magnetic Field Laboratory	NHMFL								
Sarah Horstmeier (G)	c	Oklahoma State University	Chemistry								
Ivan Hung (S)	C	National High Magnetic Field Laboratory	CIMAR/NMR	NCEDO - 6 O - 1 - 4	Other New U.S. F. days.		D47007	Ducking the body are	Chaminte		
Gang Wu (S)	PI	Queen's University at Kingston	Chemistry	NSERC of Canada	Other Non US Federal Agency		P17926	Probing the hydrogen nuclear wavefunction in OHO low-barrier	Chemistry	2	11
Zhehong Gan (S)	С	National High Magnetic Field Laboratory National High Magnetic	NHMFL CIMAR/NMR					hydrogen bonds by 1H-170 double resonance NMR			
Ivan Hung (S)	С	Field Laboratory		No other green			D170 /4		Piology	-	25
Dylan Murray (S)	PI C	University of California Davis	CIMAR/NIMR	No other support			P17941	Molecular Determinants for the Assembly of Low Complexity Protein	Biology, Biochemistry, Biophysics	5	25
Ivan Hung (S)	ı	National High Magnetic Field Laboratory	CIMAR/NMR					Domains	DIOPHYSICS		

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		Participants Name, Role, Org., Dept.)			Funding Sources (Funding Agency, Division, Award #)		Proposal #	Proposal Title	Discipline	Exp. #	Days Used
Robert Schurko (S)	PI	Florida State University	Chemistry	NSF	CHE - Chemistry	CHE2003854	P17946	Multinuclear Solid-State	Biology,	83	319
Christer Aakeroy (S)	С	Kansas State University	Chemistry and Biochemistry	State of Florida	Other	n/a	/	NMR of Quadrupolar Nuclei in Active	Biochemistry, Biophysics		
Louae Abdulla (G)	С	University of Windsor	Chemistry	State of Florida	Other			Pharmaceutical			
Adam Altenhof (G)	С	Florida State University	Chemistry and Biochemistry	NSERC	Non US Council	n/a	/	Ingredients			
Jochen Autschbach (S)	С	University of Buffalo	Chemistry	nserc	Non US Council	NSERC RGPIN- 2016_06642	/				
Matthew DeJong (U)	С	Florida State University	Chemistry	NSERC	Other Non US Federal Agency	NSERC RGPIN- 2016_06642	/	/			
Zach Dowdell (G)	С	Florida State University	Chemistry				/	/			
Carl Fleischer (G)	С	Florida State University	Chemistry				1	/			
Tomislav Friscic (S)	С	McGill University	Chemistry				1	/			
Lucio Frydman (S)	С	National High Magnetic Field Laboratory	NMR				П				
Zhehong Gan (S)	С	National High Magnetic Field Laboratory	NHMFL								
Adrian Gonzalez- Nelson (P)	С	Delft University of Technology	Chemical Engineering								
Anthony Hoffman (G)	С	Florida State University	Chemistry and Biochemistry				11	\			
Sean Holmes (P)	С	Florida State University	Chemistry and					\			
James Hook (S)	С	University of New South	Biochemistry Chemistry				\	\			
Ivan Hung (S)	С	Wales National High Magnetic	CIMAR/NMR				\	\			
lgor Huskic (P)	С	Field Laboratory McGill University	Chemistry and				\	`			
Michael Jaroszewicz	С	University of Windsor	Biochemistry Chemistry								
(G) James Kimball (G)	С	Florida State University	Chemistry				\				
Danielle Laurencin (S)	C	University of Montpellier	Institut Charles Gerhardt de Montpellier				\				
Frederic Mentink (S)	С	National High Magnetic Field Laboratory	NMR Division							/	
Thomas-Xavier Métro	С	Institut des Biomolécules	Equipe Chimie Verte et								
(S) Karthik Nagapudi (S)	С	Max Mousseron Genentech Inc.	Technologies Innovantes Small Molecule								
Austin Peach (G)	С	Florida State University	Pharmaceutical Sciences Chemistry and								
Jeremy Rawson (S)	С	University of Windsor	Biochemistry Department of Chemistry								
Jasmin Schoenzart (G)	С	Florida State University	and Biochemistry Chemistry and								
Robert Smith (G)	С	National High Magnetic	Biochemistry								
Robert Smith (G)	С	Field Laboratory Florida State University	Chemistry and							_	
		•	Biochemistry								
Jessica Spackova (P)	C	University of Montpellier	Chemistry								
Albert Stiegman (S) Tony Stiegman (S)	C	Florida State University Florida State University	Chemistry Chemistry and								
Monique van der Veen (S)	С	Delft University of Technology	Biochemistry Chemical Engineering								
Cameron Vojvodin (G)	С	Florida State University	Chemistry and								
Lara Watanabe (G)	С	University of Windsor	Biochemistry Chemistry and								
Kendra Frederick (S)	PI	University of Texas, Southwestern	Biochemistry Biophysics	NIH	NINDS - National Institute of Neurological Disorders	NS111236	P17968	Protein conformation determined in native	Biology, Biochemistry,	2	15
		Southwestern			and Stroke			cellular environments	Biophysics		
Whitney Costello (G)	С	University of Texas, Southwestern	Biophysics	NSF	CAREER - Faculty Early Career Development	1751174					
Jaka Kragelj (P)	С	University of Texas,	Biophysics		Program						
		Southwestern					1				

		Participants (Name, Role, Org., Dept.)		(Fundi	Funding Sources		Proposal #	Proposal Title	Discipline	Exp.	Days Used
Frederic Mentink (S)	С	National High Magnetic	NMR Division	Ç Ziizii	.,,			/			
Yiling Xiao (P)	С	Field Laboratory University of Texas,	Biophysics				/				
Sungsool Wi (S)	PI	Southwestern National High Magnetic	NMR	NSF	CHE - Chemistry	CHE1808660	P18056	Solution State	Chemistry	2	24
Thierry Dubroca (S)	С	Field Laboratory National High Magnetic Field Laboratory	EMR				/	Overhauser DNP at 14 T			
Jonathan Marbey (G)	С	National High Magnetic Field Laboratory	EMR				/	/			
Naresh Dalal (S)	PI	National High Magnetic Field Laboratory	Chemistry	NSF	CHE - Chemistry	CHE1464955	18094	Study of molecular dynamics on metal	Chemistry	3	16
Riqiang Fu (S)	С	National High Magnetic Field Laboratory	NMR					organic framework [(CH3)2NH2]Mg(HCOQ)3]			
Sanath Kumar Rama Krishna (G)	С	Florida State University	Condensed Matter Physics					using solid state NMR spectroscopy			
Neeraj Sinha (S)	PI	Centre of Bio-Medical Research (CBMR)	Bio-medical department	SERB	Non US Foundation	EMR/2015/001758	P18099	Structural and interaction study of collagen protein	Biology, Biochemistry,	5	30
Richa Dubey (G)	С	Centre of Biomedical Research	Department of Advanced Spectroscopy and Imaging	Council of Scientific and Industrial Research (CSIR)	Non US Foundation			in native bone and cartilage through dynamic nuclear polarization	Biophysics		
Nidhi Tiwari (G)	С	Centre of Biomedical Research	NMR	Science and Engineering Research Board, Government of India	Other Non US Federal Agency	EMR/2015/001758					
Sungsool Wi (S)	С	National High Magnetic Field Laboratory	NMR	Science and Engineering Research Board, Government of India	Non US Foundation	EMR/2015/001758	\	\			
Victor Schepkin (S)	PI	National High Magnetic Field Laboratory	CIMAR	No other support			P18100	Non-invasive assessment of rat glioma using 170	Biology, Biochemistry,	3	6
William Brey (S)	С	National High Magnetic Field Laboratory	NMR				\	labeled glucose	Biophysics		
Shannon Helsper (G)	С	National High Magnetic Field Laboratory	NMR				\				
Cathy Levenson (S)	С	Florida State University	Biomedical Sciences					\			
Steven Ranner (T)	С	National High Magnetic	Instrumentation &								
Lothar Schad (S)	С	Field Laboratory Heidelberg University	Operations Computer Assisted Clinical Medicine								
A. Dean Sherry (S)	С	University of Texas, Southwestern	Advanced Imaging Research Center								
Robert Silvers (S)	PI	Florida State University	Chemistry and Biochemistry	Florida State University	US College and University	STARTUP	P19107	Development of ssNMR methods for structural	Biology, Biochemistry,	2	4
Yimin Miao (P)	С	Florida State University	Chemistry & Biochemistry					elucidation of RNAs and RNPs	Biophysics		
Yan-Yan Hu (S)	PI	Florida State University	Chemistry & Biochemistry	Solid Power			P19111	Structure-property correlation in Cl-doped	Chemistry	12	251
Michael Brady (G)	С	University of Southern California	Department of chemistry					tetragonal Na3PS4 (t- Na3PS4)			
Eric Gabriel (G)	С	Boise State University	Materials Science and Engineering								
Lina Gao (G)	С	Florida State University	Department of Chemistry & Biochemistry								
Liangbin Hu (S)	C	University of Maryland, College Park	Department of Materials Science and Engineering								
Xueqian Kong (S) Yutao Li (P)	C C	Zhejiang University University of Texas, Austin	Chemistry Materials Science and Engineering Program and								
Brent Melot (S)	С	University of Southern California	Texas Materials Institute Department of chemistry								
Pengbo Wang (G) Hui Xiong (S)	C C	Florida State University Boise State University	Chemistry Materials Science and								
Chunpeng Yang (P)	С	University of Maryland,	Engineering Department of Materials								
Lina Zhou (G)	С	College Park University of Cambridge	Science and Engineering Chemistry Department								

	(1	Participants Name, Role, Org., Dept.)			Funding Sources ng Agency, Division, Award #)		Proposal #	Proposal Title	Discipline	Exp. #	Days Used
Michael Harrington (S)	PI	Huntington Medical Research Institutes	Molecular Neurology	NIH	NINDS - National Institute of Neurological Disorders and Stroke	NS201072	P19167	Evaluating Brain Dysfunction in Migraine	Biology, Biochemistry, Biophysics	15	61
Nastaren Abad (G)	С	Florida State Universit	y Chemical-Biomedical Engineering		and Stroke				ыорнуясь		
Hannah Alderson (U)	С	Florida State University									
Samuel Grant (S)	С	National High Magnetic Field Laboratory					/	/			
Samuel Holder (G)	С	Florida State University					/	/			
Linda Petzold (S)	С	University of California Santa Barbara	•				/	/			
Dayna Richter (G)	C	Florida State University	Engineering								
Yan-Yan Hu (S)	PI	Florida State Universit	Biochemistry	NSF	DMR - Division of Materials Research	DMR1720139	P19169	In-situ and Operando MRI studies of All-solid-state	Chemistry	6	16.5
Samuel Grant (S)	c c	National High Magnetic Field Laboratory Florida State Universit	Engineering					Batteries			
Haoyu Liu (G)				NCE	OUE Ob	01151000007	DIOITO	0	D'. I	_	10
Adam Veige (S)	PI	University of Florida	Chemistry	NSF	CHE - Chemistry	CHE1808234	P19170	Quantification of End	Biology,	2	12
Clifford Bowers (S)	С	University of Florida	Chemistry				1.1	Groups in Cyclic vs.	Biochemistry,		
Alec Esper (G)	С	University of Florida	Chemistry				١ ١	Linear Polyacetylenes by Carbon-13 Magic Angle	Biophysics		
Zhihui Miao (G)	С	University of Florida	Department of Chemistry				١ ١	Spinning Nuclear			
Brent Sumerlin (S)	С	University of Florida	Chemistry				\	Magnetic Resonance Spectroscopy			
Sossina Haile (S)	PI	Northwestern Universi	ty Materials Science and	NSF	DMR - Division of	DMR1720139	P19180	Multinuclear Solid-state	Biology,	13	49
	••	Northwestern oniversi	Engineering, and Chemistry	No	Materials Research	DINITIZE OF	11/00	NMR Investigations of Oxyhalides, Oxynitrides	Biochemistry, Biophysics	10	7,
Jaye Harada (G)	С	Northwestern Universi	ty Chemistry				\	and Chalcohalides			
Yan-Yan Hu (S)	С	Florida State University	Biochemistry				\				
Mercouri Kanatzidis (S)	С	Northwestern Universi						\			
Haoyu Liu (G)	С	Florida State University	y Chemistry								
Tobin Marks (S)	С	Northwestern Universi	ty Chemistry								
Shobhit Pandey (G)	С	Northwestern Universi	ty Chemistry								
Sawankumar Patel (G)	С	Florida State University	y Chemistry								
Kenneth Poeppelmeier (S)	С	Northwestern Universi	ty Chemistry								
Sheel Sangvi (G)	С	Northwestern Universi									
Pengbo Wang (G)	С	Florida State Universit	y Chemistry								
Joseph Noel (S)	PI	Salk Institute for Biological Studies	Chemical Biology and Proteomics	Harnessing Plants Initiative, Salk Institute for Biological Studies	Other		P19225	Structural, Quantitative and Genetic Characterization of Plant	Biology, Biochemistry, Biophysics	2	12
Thach Can (P)	С	Salk Institute for Biological Studies	Chemical Biology and Proteomics					Biopolymers by Solid- state NMR			
Riqiang Fu (S)	С	National High Magnetic Field Laboratory	: NMR							_	
Suzanne Thomas (P)	С	Salk Institute for Biological Studies	Chemical Biology and Proteomics								
Frederic Mentink (S)	PI	National High Magnetic Field Laboratory	: NMR Division	NIH	NIGMS - National Institute of General Medical Sciences	GM122698	P19241	Improving biradicals for MAS-DNP at high field: a combined approach of	Chemistry	2	18
Gael De Paepe (S)	С	The French Alternative Energies and Atomic	Institute for Nanoscience and Cryogenics	Icelandic Research Fund	Other	163393-052		Spin-Dynamics theory, DFT and high-field EPR			
Thomas Halbritter (P)	С	Energy Commission University of Iceland	Chemistry								
Manoj Vinayaka Hanabe Subramanya (G)		Florida State Universit									
Rania Harrabi (G)	С	The French Alternative Energies and Atomic Energy Commission	DRF/IRIG/MEM/RM								
Sabine Hediger (S)	С	The French Alternative Energies and Atomic	Institute for Nanoscience and Cryogenics								
Daniel Lee (S)	С	Energy Commission University of Grenoble	INAC/MEM								
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		Participants			Funding Sources		Proposal	Proposal Title	Discipline	Exp.	Days
		Name, Role, Org., Dept.)		(Fundi	ng Agency, Division, Award #)		#	1 Toposat Title	Discipante	#	Used
Subrhadip Paul (T)	С	The French Alternative Energies and Atomic Energy Commission	DRF/IRIG/MEM/RM				/				
Elvin Salerno (P)	С	National High Magnetic Field Laboratory	EMR								
Snorri Sigurdsson (S)	С	University of Iceland	Chemistry				/				
Jan Rainey (S)	PI	Dalhousie University	Biochemistry & Molecular Biology	Natural Sciences and Engineering Research Council of Canada	Non US Council	RGPAS/507805- 2017	P19288	Solid-state NMR characterization of spider wrapping and pyriform	Biology, Biochemistry, Biophysics	3	25
Ivan Hung (S)	С	National High Magnetic Field Laboratory	CIMAR/NMR	Natural Sciences and Engineering Research Council of Canada	Non US Council	RGPIN/05907- 2017		silks	Diophysics		
Frederic Mentink (S)	С	National High Magnetic Field Laboratory	NMR Division				1				
Jeffrey Simmons (G)	С	Dalhousie University	Department of Biochemistry & Molecular Biology								
Pingchuan Sun (S)	PI	Nankai University	College of Chemistry	National Natural Science Foundation of China	Other		P19331	Probing the Transesterification	Chemistry	2	13
Riqiang Fu (S)	С	National High Magnetic Field Laboratory	NMR				11	Reaction and Topology Freezing Transition			
Zhehong Gan (S)	С	National High Magnetic Field Laboratory	NHMFL					Temperature in Vitrimer by VT 170 and 13C			
Fenfen Wang (P)	С	Nankai University	College of Chemistry				_\	Chemical Exchange SSNMR			
Thomas Borch (S) Martha Chacon (S)	PI * C	Colorado State University National High Magnetic Field Laboratory	Soil and Crop Science Ion Cyclotron Resonance	DOE DOE	Other Other	SC0021349 DE-SC0020205	P\9338	Forest fire-impacted soil organic matter chemistry	Chemistry	1	4
Jim Ippolito (S) Eugene Kelly (S)	C C	Colorado State University Colorado State University	Soil and Crop Sciences College of Agricultural Sciences	US Dept of Argriculture	Other US Federal Agency	1025233					
Merritt Logan (G)	С	Colorado State University	Chemistry				\				
Amy McKenna (S)	Ċ	National High Magnetic	ICR				\				
Frederic Mentink (S)	С	Field Laboratory National High Magnetic	NMR Division							/	
Amelia Nelson (G)	С	Field Laboratory Colorado State University	Soil and Crop Sciences							_	
Sydney Niles (G)	C	National High Magnetic Field Laboratory	Chemistry								
Charles Rhoades (S)	С	U.S. Department of Agriculture	Rocky Mountain Research Station								
Holly Roth (G)	С	Colorado State University	Chemistry								
Mike Wilkins (S)	С	Colorado State University	College of Agricultural Sciences								
Geoffrey Strouse (S)	PI	National High Magnetic Field Laboratory	Chemistry	NSF	DMR - Division of Materials Research	DMR1905757	P19372	Multinuclear solid-state NMR investigation of	Chemistry	10	22
Adam Altenhof (G)	С	Florida State University	Chemistry and Biochemistry					plasmonic and photoluminescent			
Nhat Nguyen Bui (P)	С	National High Magnetic Field Laboratory	CMS					nanocrystals			
Carl Conti (G)	С	Florida State University	Chemistry & Biochemistry								
Riqiang Fu (S)	°	National High Magnetic Field Laboratory	NMR								
Zhehong Gan (S)	C	National High Magnetic Field Laboratory	NHMFL								
Ivan Hung (S)	C	National High Magnetic Field Laboratory	CIMAR/NMR								
Jason Kuszynski (G) Frederic Mentink (S)	C C	Florida State University National High Magnetic Field Laboratory	Chemistry NMR Division								
Anant Paravastu (S)	С	Georgia Institute of Technology	School of Chemical & Biomolecular Engineering								
Robert Schurko (S) Robert Smith (G)	C C	Florida State University National High Magnetic Field Laboratory	Chemistry								
Robert Smith (G)	С	Florida State University	Chemistry and Biochemistry								

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	(N	Participants lame, Role, Org., Dept.)		(Fundi	Funding Sources ng Agency, Division, Award #)		Proposal #	Proposal Title	Discipline	Exp.	Days Used
Likai Song (S)	С	National High Magnetic	EMR	Ų diraii				/			5552
		Field Laboratory						ľ			
Cameron Vojvodin (G)	С	Florida State University	Chemistry and Biochemistry				/				
Hadi	PI	Florida State University	Chemical and Biomedical	NSF	CBET - Chemical,	CBET1942150	P19421	Probing in situ structure	Engineering	7	41.5
Mohammadigoushki (S)		,	Engineering		Bioengineering,			of monoclonal antibodies	/		
					Environmental, and Transport Systems			at water-air and water- oil interfaces via high	/		
Jamini Bhagu (G)	С	Florida Agricultural and	Chemical ENG	Florida State University-	Other			field nuclear magnetic			
		Mechanical University		CRC				resonance spectroscopy			
Samuel Grant (S)	С	National High Magnetic	Chemical & Biomedical	Florida State CRC -	US College and University						
Alfredo Scigliani (G)	С	Field Laboratory Florida State University	Engineering Chemical & Biomedical	Planning Grant Florida State Planning	Other						
Attreue Seignam (e)		rtoriud State Omversity	Engineering	Grant	other						
Liliya Vugmeyster (S)	PI	University of Colorado,	Chemistry	NIH	NIGMS - National Institute	GM111681	P19439	Variant-specific dynamics	Biology,	4	9
		Denver			of General Medical Sciences		11	of amyloid-beta fibries by solid-state deuteron	Biochemistry, Biophysics		
Alexander Greenwood	С	University	Department of Chemistry		301011003		П	NMR.	, ss		
(S)							П				
Dmitry Ostrovsky (S)	С	University of Alaska, Anchorage	Mathematics				11				
Elan Eisenmesser (S)	PI	University of Colorado,	Biochemistry & Molecular	NSF	CHE - Chemistry	CHE1807326	P19441	SARS-CoV Nucleocapsid	Biology,	7	201
l	_	Denver	Genetics		,		11	protein dynamics and	Biochemistry,		
Kilsia Mercedes (G)	С	University of Colorado, Denver	Biochemistry and Molecular Genetics				١ ١	their role in host protein interactions.	Biophysics		
Isabelle Marcotte (S)	PI	University of Quebec at	Chemistry	NSF	MCB - Molecular and	MCB1942665	P\9442	Chlamydomonas	Biology,	9	60
		Montreal			Cellular Biosciences		<b>\</b>	reinhardtii cell-wall and	Biochemistry,		
Liyanage Fernando (G)	С	Louisiana State University	Chemistry	DOE	Office of Science - ECRP - Early Career Research	DE-SC0021210	\	whole cell glycan architecture studied by	Biophysics		
		Offiversity			Program		\	high-field and DNP Solid-			
Fabien Deligey (P)	С	Louisiana State	Chemistry	NIH	NIAID - National Institute	R21AI149289	\	State NMR			
		University			of Allergy and Infectious Diseases		\				
Zhehong Gan (S)	С	National High Magnetic	NHMFL	DOE	Office of Science - BES -	DE-SC0021210	· ·				
		Field Laboratory			Basic Energy Sciences						
Ivan Hung (S)	С	National High Magnetic Field Laboratory	CIMAR/NMR								
Alex Kirui (G)	С	Louisiana State	Chemistry								
		University	•								
Frederic Mentink (S)	С	National High Magnetic Field Laboratory	NMR Division								
Alexandre Poulhazan	С	University of Quebec at	Chemistry								
(G)		Montreal									
Faith Scott (P)	С	National High Magnetic Field Laboratory	Biochemistry & Molecular Biology								
S. Shekar (P)	С	Louisiana State	chemistry								
		University									
Tuo Wang (S)	С	Louisiana State University	Chemistry								
Hui Yang (S)	С	Pennsylvania State	Department of Biology								
	_	University									
Wancheng Zhao (G)	С	Louisiana State University	Chemistry								
Ashley Blue (T)	PI	National High Magnetic	NHMFL	No other support			P19456	NMR System Maintenance	Magnets,	23	280.5
		Field Laboratory							Materials		
Riqiang Fu (S)	С	National High Magnetic Field Laboratory	NMR								
Zhehong Gan (S)	С	National High Magnetic	NHMFL								
Commel Count (C)		Field Laboratory	Chamical C Diamedical								
Samuel Grant (S)	С	National High Magnetic Field Laboratory	Chemical & Biomedical Engineering								
Frederic Mentink (S)	С	National High Magnetic	NMR Division								
C	•	Field Laboratory	NMD								
Sungsool Wi (S)	С	National High Magnetic Field Laboratory	NMR								
Robert Silvers (S)	PI	Florida State University	Chemistry and	Florida State University	Other	Start-up	P19461			1	1
			Biochemistry	1							

		Participants			Funding Sources		Proposal			Ехр.	Days
	(1	Name, Role, Org., Dept.)		(Fundir	ng Agency, Division, Award #)		#	Proposal Title	Discipline	#	Used
Blaine Gordon (G)	С	Florida State University	Chemistry and Biochemistry	·			/	Structural and Functional Characterization of La- Related Proteins	Biology, Biochemistry, Biophysics		
David Fenning (S)	PI	University of California, San Diego	Nanoengineering	NSF	CAREER - Faculty Early Career Development Program	1848371	P19478	137Ba and 127I NMR of Halide Perovskite Solar Materials FABaxPb1-xl3	Magnets, Materials	12	47
John Goodenough (S)	С	University of Texas, Austin	Mechanical Engineering		Š		/				1
Yan-Yan Hu (S)	С	Florida State University	Chemistry & Biochemistry					/			]
Sawankumar Patel (G)	С	Florida State University	Chemistry				/	/			I
Xueying Quinn (G)	С	University of California, San Diego	Nanoengineering								
Rivera de la Rosa (S)	PI	Autonomous University of Nuevo León	Chemical Engineering	Facultad de Ciencias Qui´micas, Universidad Auto´noma de Nuevo Leo´n (UANL)	Non US Foundation	02-084347-PST- 14/105	P19479	The role of phosphorus in the self-pillared peniasil siliceous zeolite catalyst used for the dehydra-	Magnets, Materials	2	17
Carolina Solis Maldonado (S)	С	Veracruzan University	Chemical Sciences	Fondo Sectorial de Investigacio´n para la Educacio´n SEP-CONACYT	Non US Foundation	A1-S-37606		decyclization reaction of tetrahydrofuran in producing 1,3-butadiene			
Carlos Garcia (S)	С	Clemson University	Chemistry	Universidad Autonoma de Nuevo Leon (UANL)	Non US College and University	02-084347-PST- 14/105	1				
Francisco José Morales-Leal (S)	С	Autonomous University of Nuevo León	Chemical Sciences	Fondo Sectorial de Investigacion para la Education SEP-CONACYT	Non US Foundation	A1-S-37607	\	\			
Sungsool Wi (S)	С	National High Magnetic Field Laboratory	NMR				\	\			<u> </u>
Ildefonso Marin- Montesinos (S)	PI	University of Aveiro	Chemistry	Universidade de Aveiro	Non US College and University		P19491	Disclosing brewers spent yeast cell wall	Biology, Biochemistry,	2	13
Ana Rita Bastos (G)	С	University of Aveiro	Chemistry				\	polysaccharides: an in	Biophysics		I
Elisabete Coelho (S)	C	University of Aveiro	Chemistry				\	deep structural characterization and			1
Manuel A. Coimbra (S)	С	University of Aveiro	Department of Chemistry				\	network assignment			i
Luís Mafra (S) Frederic Mentink (S)	C C	University of Aveiro National High Magnetic Field Laboratory	Chemistry NMR Division				`	network assignment			
Mariana Sardo (S)	С	University of Aveiro	Chemistry								i
Sungsool Wi (S)	PI	National High Magnetic Field Laboratory	NMR	No other support			P19492	Utilization of 1H-1H correlation schemes for	Biology, Biochemistry,	16	132
Adam Altenhof (G)	С	Florida State University	Chemistry and Biochemistry	NIH	NINDS - National Institute of Neurological Disorders and Stroke	NS097490		the structural study of perdeuterated/non- perdeuterated 13C and/or	Biophysics		
Lucio Frydman (S)	С	National High Magnetic Field Laboratory	NMR	The European Research Council under the European Union's Seventh Framework Programme	Non US Council	ERC 639907		15N-labeled biosolids			
Michael Jaroszewicz (G)	С	University of Windsor	Chemistry	The European Research Council under the European Union's Seventh Framework Programe	Non US Foundation	639907				/	
James Kimball (G)	С	Florida State University	Chemistry								i
Adam Lange (S)	c	Leibniz- Forschungsinstitut für Molekulare Pharmakologie, Berlin	Department of Molecular Biophysics								
Józef Lewandowski (S)	C	University of Warwick	Chemistry								İ
Kwang Hun Lim (S)	C	East Carolina University	Chemistry	NCEDO (O :	<b>A</b> II		B40	400 1047			
Yining Huang (S)	PI	University of Western Ontario	Chemistry	NSERC of Canada	Other		P19515	170 and 91Zr solid-state NMR of metal-organic frameworks at 35.2 T	Chemistry	17	109
Zhehong Gan (S)	c c	National High Magnetic Field Laboratory National High Magnetic	NHMFL CIMAR/NMR					irailiewurks at 35.2 I			
Ivan Hung (S) Vinicius Martins (G)	С	Rational High Magnetic Field Laboratory University of Western	CIMAR/NMR Chemistry								
Wanli Zhang (G)	С	Ontario University of Western University of Western	Chemistry								l
2g (0)		Ontario									<u>.                                    </u>

		Participants			Funding Sources		Proposal			Ехр.	Days
	(N	lame, Role, Org., Dept.)		(Fundir	g Agency, Division, Award #)		#	Proposal Title	Discipline	# #	Used
Tim Cross (S)	PI	National High Magnetic Field Laboratory	NHMFL/Chemistry & Biochemistry	NIH	NIAID - National Institute of Allergy and Infectious Diseases	AI119178	P19516	Structural Characterization of SARS-CoV-2 E protein in	Biology, Biochemistry, Biophysics	54	407
Riqiang Fu (S)	С	National High Magnetic Field Laboratory	NMR	NIH	NIGMS - National Institute of General Medical Sciences	GM122698		lipid bilayer with Solid- State NMR	Бюрнуясь		
Huajun Qin (T)	С	Florida State University	Chemistry & Biochemistry					,			
Rongfu Zhang (P)	С	National High Magnetic Field Laboratory	NHMFL								
Danielle Laurencin (S)	PI	University of Montpellier	Institut Charles Gerhardt de Montpellier	European Research Council	Other		P19531	Identification of interfacial bonding environments in	Chemistry	1	2
Christian Bonhomme (S)	С	Pierre and Marie Curie University	Laboratoire de Chimie de la Matière Condensée					functional nanomaterials and biomaterials using			
Zhehong Gan (S)	С	National High Magnetic Field Laboratory	NHMFL					high resolution solid state NMR at (ultra)-high fields			
Christel Gervais (S)  leva Goldberga (P)	c c	Sorbonne University  French National Center	Laboratoire de Chimie de la Matière Condensée Institut Charles Gerhardt								
Ivan Hung (S)	С	for Scientific Research National High Magnetic Field Laboratory	de Montpellier CIMAR/NMR								
Danielle Laurencin (S)	PI	University of Montpellier	Institut Charles Gerhardt de Montpellier	ERC	Non US Council		P19532	Identification of interfacial bonding environments in	Chemistry	9	48
Chia-Hsin Chen (P)	С	French National Center for Scientific Research	Institut Charles Gerhardt de Montpellier	ERC	Other		\	functional nanomaterials and biomaterials using			
Zhehong Gan (S)	С	National High Magnetic Field Laboratory	NHMFL	ERC	Other	772204	\	high resolution solid state NMR at (ultra)-high fields			
leva Goldberga (P)	С	French National Center for Scientific Research	Institut Charles Gerhardt de Montpellier	CNRS	Other		\				
Ivan Hung (S)	С	National High Magnetic Field Laboratory	CIMAR/NMR				\				
César Leroy (P)	С	French National Center for Scientific Research	ICGM - UMR 5253				`				
Cesario Borlongan (S)	PI *	University of South Florida	College of Medicine, Neurosurgery	NIH	NINDS - National Institute of Neurological Disorders and Stroke	NS102395	P19565	In vivo assessment of cell-derived therapies for treatment of stroke: 23Na	Biology, Biochemistry, Biophysics	24	35.5
Jacob Athey (U)	С	Florida State University	Chemical & Biomedical Engineering	NIH	NINDS - National Institute of Neurological Disorders and Stroke	NS115490		MRI and 1H MRS			
Bruce Bunnell (S)	С	Tulane University	Pharmacology								l
Shannon Helsper (G)	С	National High Magnetic Field Laboratory	NMR								1
David Hike (G)	С	Florida State University	Chemical and Biomedical Engineering								1
Hedi Mattoussi (S)	С	Florida State University	Chemistry & Biochemistry								
Alfredo Scigliani (G) Xuegang Yuan (G)	c c	Florida State University Florida State University	Chemical & Biomedical Engineering Chemical & Biomedical							/	
Jun Xu (S)	PI	Wuhan Institute of	Engineering Wuhan NMR center	NSF	DMR - Division of	DMR1644779	P19568	Study of active sites on	Chemistry	2	14
Juli Xu (5)		Physics & Mathematics, Chinese Academy of Sciences	Wullall NMK Celllel	NSF	Materials Research	DMR1044777	P17300	heterogeneous catalysis using High field NMR spectroscopy	Chemistry	2	14
Zhehong Gan (S)	С	National High Magnetic Field Laboratory	NHMFL	The National Natural Science Foundation of China	Other	U1932218		эреспозсору			
Ivan Hung (S)	С	National High Magnetic Field Laboratory	CIMAR/NMR								I
Qiang Wang (T)	С	Wuhan Institute of Physics & Mathematics,	Wuhan NMR center								l
		Chinese Academy of Sciences									l
Leonard Mueller (\$)	PI	University of California, Riverside	Chemistry	NIH	NIGMS - National Institute of General Medical Sciences	GM137008	P19571	DNP-Enabled Solid-State NMR of PLP Enzymes: Tyrosine Phenol Lyase	Chemistry	5	27

Montanger   Company   Florida   Florida   Fl			Participants			Funding Sources		Proposal	Dranged Title	Dissiplina	Ехр.	Days
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Jeannel Lamp (C) C University of Florids Biochemistry & Molecular Biology Productive Marchine (C) C C National High Magnatic Florids Biology Productive Marchine (C) C National High Magnatic Florids Biology Productive Marchine (C) C National High Magnatic Florids Biology Productive Marchine (C) C National High Magnatic Florids Biology Productive Marchine (C) C National High Magnatic Florids Biology Productive Marchine (C) C National High Magnatic Florids Biology Productive Marchine (C) C National High Magnatic Florids Biology Productive Marchine (C) C National High Magnatic Florids Biology Productive Marchine (C) C National High Magnatic Florids Biology Productive Marchine (C) C National High Magnatic Florids Biology Productive Marchine (C) C National High Magnatic Florids Biology Productive Marchine (C) C National High Magnatic Florids Biology Productive Marchine (C) C National High Magnatic Florids Biology Productive Marchine (C) C National High Magnatic Florids Biology Productive Marchine (C) C National High Magnatic Florids Biology Productive Marchine (C) C National High Magnatic Florids Biology Productive Marchine (C) C National High Magnatic Florids Biology Productive Marchine (C) C National High Magnatic Florids Biology Productive Marchine (C) C National High Magnatic Florids Biology Productive Marchine (C) C National High Magnatic Florids Biology Productive Marchine (C) C National High Magnatic Florids Biology Productive Marchine (C) C National High Magnatic Florids Biology Productive Marchine (C) C National High Magnatic Florids Biology Productive Marchine (C) C National High Magnatic Florids Biology Productive Marchine (C) C National High Magnatic Florids Biology Productive Marchine (C) C National High Magnatic Florids Biology Productive Marchine (C) C National High Magnatic Florids Biology Productive Marchine (C) C National High Magnatic Florids Biology Productive Marchine (C) C National High Magnatic Florids C) C National High Magnatic Florids C) C National High Magnatic Florids C) C National High Ma		С	University of Florida		NSF	CHE - Chemistry	CHE1710671					
Johnson Long 15   C   University of Florida   Bitchemistry & Melecular Biology   Profession Associated   Profession Associat	Rittik Ghosh (G)	С		Chemistry	NIH	of General Medical	GM097569					
Frederic Memink (S) C Select Laboratory Frederic Memink (S) C Field Laboratory Frederic Memink (S) Field Laboratory Frederic Memink (S) C Field Laboratory Frederic Memink (Frederic Memi	Joanna Long (S)	С	University of Florida		NIH	NIGMS - National Institute of General Medical	GM122698					
Fail Scott (P) C Noticeal fligh Magnetic Biochemistry & Mileculus (Biology)  More Foundation US Faundation (S) P Fail Liberatory  Sinza Agarwal (D) C Western Michigan University  Sonjong Hwang (S) C Western Michigan University  Sonjong Hwang (S) C Western Michigan University  Sonjong Hwang (S) C Western Michigan University  Sonjong Hwang (S) C Western Michigan University  Sonjong Hwang (S) C Western Michigan University  Sonjong Hwang (S) C Western Michigan University  Sonjong Hwang (S) C Western Michigan University  Sonjong Hwang (S) C Western Michigan University  Fired Laboratory  American Laboratory  American Laboratory  Name (S) P J East Carellina University  C East Carel			Field Laboratory						/			
Michael Familians (S) Pl Western Michigan Physics   Mora Foundation   US Foundation   T799   Physics   Mora Foundation   US Foundation   T799   Physics   Mora Foundation   US Foundation   T799   Physics   Mora Foundation   T799   Physics   Mora Foundation   T799   Physics   Mora Foundation   T799   Physics   Mora Foundation   T799   Physics   Mora Foundation   T799   Physics   Mora Foundation   T799   Physics   Mora Foundation   T799   Physics   Mora Foundation   T799   Physics   Mora Foundation   T799   Physics   Mora Foundation   T799   Physics   T699   Physics   T699   Physics   T699   Physics   T699   Physics   T699   Physics   T699   Physics   T699   Physics   T699   Physics   T699   Physics   T699   Physics   Physics   Physics   Physics   Physics   T699   Physics   Phys								/	/			
Michael Familians (S) Pl Value (S) C University (Soliton Agarwal (S) C C Control (Soliton Agarwal (S) C C Control (Soliton Agarwal (S) C C Control (Soliton Agarwal (S) C C Control (Soliton Agarwal (S) C C Control (Soliton Agarwal (S) C C Control (Soliton (Soliton Agarwal (S) C C Control (Soliton (So	Faith Scott (P)	L										
Sinva Agarwal (G) C Western Michigan Depotic Propriet Pro	Michael Famiano (S)	PI *		Physics	Moore Foundation	US Foundation	7799	P19582			1	13.5
Selpinger Western Michigan  Cellett Mezel (S)  C  C  C  C  C  C  C  C  C  C  C  C  C	Shiva Agarwal (G)	С	Western Michigan	Physics					Measurement of Shielding			
Sungsool Wil (5) C National High Magnetic Name Research Federic Laboratory University Chemistry  Van Hung (5) C National High Magnetic Pield Laboratory  Van Hung (5) C Pield (5) C Pield (5) Pield (5) Pield (5) Pield (5) Pield (5) Pield (5) Pield (5) Pield (5) Pield (5) Pield (5) Pield (5) Pield (5) Pield (5) Pield (5) Pield (5) Pield (5) Pield (5) Pield (5) Pield (5) Pield (6) Pield (6) Pield (6) Pield (6) Pield (6) Pield (6) Pield (6) Pield (6) Pield (6) Pield (6) Pield (6) Pield (6) Pield			California Institute of Technology	Engineering								
Field Laboratory   Field Laboratory   Field Laboratory   Chemistry   Chemistry   NiN   NiNDS - National Institute of Neurolegical Disorders and Stroke   Nind   NiNDS - National Institute of Neurolegical Disorders and Stroke   Nind	Gellert Mezei (S)	С		Chemistry				1	\			
Name   Name	Sungsool Wi (S)	С		NMR				\	\			
Dasari (G) Zehong Gan (S) C National High Magnetic Field Laboratory Vian Hung (S) C National High Magnetic Field Laboratory Sungsool Wi (S) C Field Laboratory C Field Laboratory C Field Laboratory C Field Laboratory C Field Laboratory C Field Laboratory C Field Laboratory C Field Laboratory C Field Laboratory C Field Laboratory C Field Laboratory C Field Laboratory C Field Laboratory C Field Laboratory C Field Laboratory C Field Laboratory C Field Laboratory C Field Laboratory C Field Laboratory C Homostra Alexander Baer (P) C University of Kassel C University of Kassel C University of Kassel C University of Kassel C University of Kassel C University of Kassel C University of Sapartment of chemistry C Homostra Alexander Bouthazan (G) C University of Sapartment of Chemistry C Homostra Alexander Bouthazan (G) C Homostra Alexander Bouthazan (G) C Homostra C University of Sapartment of Chemistry C Homostra C Homostra Alexander Bouthazan (G) C Homostra C Homo			·	Chemistry	NIH	of Neurological Disorders	NS097490	219589	Structural Features of Cytotoxic Transthyretin	Biochemistry,	9	79
Nan Hung (5)   C   Field Laboratory   National High Magnetic   Field Laboratory   National High Magnetic   Field Laboratory   National High Magnetic   Field Laboratory   National High Magnetic   Field Laboratory   National High Magnetic   Field Laboratory   National High Magnetic   Field Laboratory   National High Magnetic   National High Mag			East Carolina University	•				\	Interaction with			
Sungsool Wi (5) C C Field Laboratory Sundainal High Magnetic Field Laboratory Sundainal High Magnetic Field Laboratory Stephan Irte (5) C Sundainal High Magnetic Field Laboratory Stephan Irte (5) C Sundainal High Magnetic Frontology Stephan Irte (5) C Sundainal High Magnetic Frontology Stephan Irte (5) C Sundainal High Magnetic Frontology Stephan Irte (5) C Sundainal High Magnetic Montreal Washington Make University of Quebec at Montreal Work Magnetic Montreal Work Montr	Zhehong Gan (S)	С		NHMFL				\	Membranes			
Sungsol Wi (S)   C   National High Magnetic   NRR	Ivan Hung (S)	С		CIMAR/NMR								
Isabelle Marcotte (S)   Pl   University of Quebec at Montreal Materials Science and Stephan Schmidt (S)   C   University of Sasset Montreal Materials Science and Stephan Intel (S)   C   Iowa State University Dissectorry Van Hung (S)   C   National High Magnettic Field Laboratorry Stephan Intel (S)   C   National High Magnetic Field Laboratorry   National Materials Science and Engineering Division   National High Magnetic Field Laboratorry   National Materials Science A Technology   National Laboratorry   National Laboratorry   National Laboratorry   National High Magnetic Field Laboratorry   National Laboratorry   National Laboratorry   National Laboratorry   National Laboratorry   National Laboratorry   National Laboratorry   National Laborato	Sungsool Wi (S)	С	National High Magnetic	NMR				\				
Matthew Harrington (S) C University (Frederic Mentink (S) (Frederic Mentink (S) C University (Frederic Mentink (S) C University (Frederic Mentink (S) (Frederic Mentink (S) (Frederic Mentink (S) (Frederic Mentink (S) (Frederic Mentink (S) (Frederic Mentink (S) (Frederic Mentink (S) (Frederic Mentink (S) (Frederic Mentink (S) (Frederic Mentink (S) (Frederic Mentink (S) (Frederic Mentink (S) (Frederic Mentink (Frederic Mentink (S) (Frederic Mentink (Frederic	Isabelle Marcotte (S)	PI	University of Quebec at	Chemistry		Non US Foundation	MA 4147/7-2	P19600			2	9
Georg Mayer (S) Frederic Mentink (S) C National High Magnetic Friedel Laboratory Alexandre Poulhazan (G) Slephan Schmidt (S) C Inviersity of Quebe at Montreal Aron Rossini (S) PI Iowa State University Nath Hung (S) Van Hung (S										Biophysics		
Frederic Mentlink (S)  C  National High Magnetic Field Laboratory Van Hung (S)  C  National High Magnetic Field Laboratory Van Hung (S)  Frederic Mentlink (S)  C  National High Magnetic Field Laboratory Van Hung (S)  C  National High Magnetic Field Laboratory Van Hung (S)  C  O  O  O  Rick Dorn (G)  C  O  O  O  O  C  O  National High Magnetic Field Laboratory Van Hung (S)  C  O  O  O  Rick Dorn (G)  C  O  O  O  National High Magnetic Field Laboratory Van Hung (S)  C  O  O  O  O  Rick Dorn (G)  C  O  O  O  Rick Dorn (G)  C  O  O  National High Magnetic Field Laboratory Van Hung (S)  C  O  O  O  Rick Dorn (G)  C  O  O  O  Rick Dorn (G)  C  O  O  National High Magnetic Field Laboratory Van Hung (S)  C  O  O  Rick Dorn (G)  O  O  O  O  Rick Dorn (G)  O  O  O  O  National High Magnetic Field Laboratory Van Hung (S)  C  O  O  Rick Dorn (G)  O  O  O  Rick Dorn (G)  O  O  O  Rick Dorn (G)  O  O  O  Rick Dorn (G)  O  O  O  Rick Dorn (G)  O  O  O  Rick Dorn (G)  O  O  O  Rick Dorn (G)  O  O  O  Rick Dorn (G)  O  O  Rick Dorn (G)  O  O  O  Rick Dorn (G)  O  Rick Dorn (G)  O  O  Rick Dorn (G)  O  O  Rick Dorn (G)  O  Ri												
Alexandre Poulhazan (G)  Stephan Schmidt (S)  C  University of Quebec at (Chemistry Montreal Stephan Schmidt (S)  Stephan Schmidt (S)  C  University of Quebec at (Chemistry Montreal Stephan Schmidt (S)  Edgar Lara-Curzio (S)  C  Qak Ridge National Elaboratory  Gang Seob Jung (S)  C  Gang Seob Jung (S)  C  Gang Seob Jung (S)  C  C  Qak Ridge National  Laboratory  Gang Seob Jung (S)  C  Qak Ridg		•	National High Magnetic						proteins by DNP Solid-			
Siephan Schmidt (S)  C  Disseldorf  Disseldorf  Chemie und Makromolekulare Chemie  Aaron Rossini (S)  Pl  Iowa State University Chemistry  Chem		С	University of Quebec at	Chemistry					State			
Düsseldorf Chemie und Makromotekulare Chemie  Aaron Rossini (S) PI lowa State University Chemistry  Rick Dorn (G) C lowa State University Chemistry  Rick Dorn (G) C National High Magnetic Field Laboratory  Ivan Hung (S) C National High Magnetic Field Laboratory  Ercan Cakmak (S) PI Oak Ridge National Aboratory  Stephan Irle (S) C Oak Ridge National Laboratory  Stephan Irle (S) C Oak Ridge National Laboratory  Gang Seob Jung (S) C Oak Ridge National Laboratory  Bedgar Lara-Curzio (S) C Oak Ridge National Algineering Division  Gang Seob Jung (S) C Oak Ridge National Laboratory  Ercan Cakmak (S) PI University C Pennsylvania State Energy and Mineral Engineering  Be Chen (S) PI University C Intral Department of Physics NSF MCB - Molecular and MCB1856055 P19664  MABROTHER CREET-Chemical, CBETT916809 P19600		С		Institut für Organische								
Aaron Rossini (S) PI lowa State University Chemistry  NSF CBET - Chemical, Bioengineering, Environmental, and Transport Systems  Rick Dorn (G) C lowa State University Chemistry  NhMFL Field Laboratory Ivan Hung (S)  Conda Ridge National High Magnetic Field Laboratory  Stephan Irle (S)  Conda Ridge National Computational Sciences and Engineering Division Gang Seob Jung (S)  Conda Ridge National Computational Science and Engineering Division Calaboratory  DOE  Other  N/A FEAA155  DOE  Other  O				Chemie und								
Zhehong Gan (S)  C National High Magnetic Field Laboratory  National High Magnetic Field Laboratory  C National High Magnetic Field Laboratory  C National High Magnetic Field Laboratory  C National High Magnetic Field Laboratory  C National High Magnetic Field Laboratory  C National High Magnetic Field Laboratory  C National High Magnetic Field Laboratory  C National High Magnetic Field Laboratory  C National High Magnetic Field Laboratory  C National High Magnetic Field Laboratory  C NAR/NMR  C N/A  C N/A  P19640  Solid State C13 NMR Measurements of Industrially Relevant Coals to Aid in the Development of Advanced Coal Molecular Models with Predictive Capabilities  C National High Magnetic Field Laboratory  C NAR/NMR  Chemistry  7 84  DOE  Other N/A FEAA155  Oak Ridge National Laboratory  Coal Kidge National Laboratory  T Coal Molecular Models with Predictive Capabilities  Donathan Mathevs (S)  C Pennsylvania State Energy and Mineral University Engineering  Division  NSF MCB - Molecular and MCB1856055  P19664  N/A  P19640  Solid State C13 NMR Measurements of Industrially Relevant Coals to Aid in the Development of Advanced Coal Molecular Models with Predictive Capabilities  14  Department of Physics  NSF MCB - Molecular and MCB1856055  P19664	Aaron Rossini (S)	PI	Iowa State University	Chemistry	NSF	Bioengineering, Environmental, and	CBET1916809	P19606	NMR of Heterogeneous Catalysts and Inorganic	Chemistry	2	5
Van Hung (S)   C   National High Magnetic Field Laboratory   National High Magnetic Field Laboratory   National Field Laboratory   National Laboratory   National Laboratory   National Laboratory   National Laboratory   National Laboratory   National Edgar Lara-Curzio (S)   C   Oak Ridge National Laboratory   National National National National State Capabilities   National Capabilities   National			National High Magnetic									
Stephan Irle (S) C Oak Ridge National Laboratory Gang Seob Jung (S) C Oak Ridge National Laboratory Gang Seob Jung (S) C Oak Ridge National Laboratory Gang Seob Jung (S) C Oak Ridge National Laboratory Gang Seob Jung (S) C Oak Ridge National Laboratory Gang Seob Jung (S) C Oak Ridge National Laboratory Gang Seob Jung (S) C Oak Ridge National Laboratory Gang Seob Jung (S) C Oak Ridge National Laboratory Genous Juniversity Gang Seob Jung (S) C Oak Ridge National Laboratory Genous Juniversity Gang Seob Jung (S) C Oak Ridge National Laboratory Genous Juniversity Gang Seob Jung (S) C Oak Ridge National Computational Science And Engineering Division Materials Science & Technology Division Genous Juniversity Gang Seob Jung (S) C Oak Ridge National Computational Science & Technology Division Genous Juniversity Gang Seob Jung (S) C Oak Ridge National Coats to Advanced Coals to Advanced Coal Molecular Models with Predictive Capabilities  With Predictive Capabilities  Figure Seob Jung (S) C Oak Ridge National Coats to Advanced Coal Molecular Models with Predictive Capabilities  Figure Seob Jung (S) C Oak Ridge National Coats to Advanced Coals to Advanced Coals to Advanced Coals to Advanced Coals to Advanced Coals to Advanced Coal Molecular Models with Predictive Capabilities  Figure Seob Jung (S) C Oak Ridge National Coats to Advanced Coal Molecular Models with Predictive Capabilities  Figure Seob Jung (S) Coat Molecular Models With Predictive Capabilities  Figure Seob Jung (S) Coat Molecular Models With Predictive Capabilities  Figure Seob Jung (S) Coat Molecular Models With Predictive Capabilities  Figure Seob Jung (S) Coat Molecular Models With Predictive Capabilities  Figure Seob Jung (S) Coat Molecular Models With Predictive Capabilities  Figure Seob Jung (S) Coat Molecular Models With Predictive Coat Molecular Models With Predictive Coats Advanced Coat Molecular Models With Predictive Capabilities  Figure Seob Jung (S) Coat Molecular Models With Predictive Coats Advanced Coat Molecular Models With Predictive Capabil		c	National High Magnetic Field Laboratory	•								
Stephan Irle (S)  C  Oak Ridge National Laboratory Sephan Irle (S)  C  Oak Ridge National Laboratory Sephan Irle (S)  C  Oak Ridge National Laboratory Sephan Irle (S)  C  Oak Ridge National Laboratory Sephan Irle (S)  C  Oak Ridge National Laboratory Sephan Irle (S)  C  Oak Ridge National Laboratory Sephan Irle (S) S	Ercan Cakmak (S)	PI *			DOE	Other	N/A	P19640		Chemistry	7	84
Gang Seob Jung (S)  C  Oak Ridge National Laboratory  Edgar Lara-Curzio (S)  C  Oak Ridge National Laboratory  Coal Molecular Modets  with Predictive  Capabilities  Jonathan Mathews (S)  C  Pennsylvania State University  Bo Chen (S)  PI  University of Central  Development of Advanced Coal Molecular Modets  with Predictive  Capabilities  P19664  Development of Advanced Coal Molecular Modets  with Predictive  Capabilities  P19664	Stephan Irle (S)	С	Oak Ridge National	Computational Sciences	DOE	Other	N/A FEAA155		Industrially Relevant			
Edgar Lara-Curzio (S)  C  Oak Ridge National Laboratory Technology Division Jonathan Mathews (S) C Pennsylvania State University Engineering  Bo Chen (S) PI University of Central Department of Physics NSF MCB - Molecular and MCB1856055 P19664  with Predictive Capabilities With Predictive Capabilities  With Predictive Capabilities  A With Predictive Capabilities  With Predictive Capabilities  A With Predictive Capabilities  Viniversity Capabilities  Department of Physics NSF MCB - Molecular and MCB1856055 P19664	Gang Seob Jung (S)	С	Oak Ridge National	Computational Science					Development of Advanced			
Jonathan Mathews (S) C Pennsylvania State Energy and Mineral University Engineering  Bo Chen (S) PI University of Central Department of Physics NSF MCB - Molecular and MCB1856055 P19664 2 14	Edgar Lara-Curzio (S)	С	Oak Ridge National	Materials Science &					with Predictive			
Bo Chen (S) PI University of Central Department of Physics NSF MCB - Molecular and MCB1856055 P19664 2 14	Jonathan Mathews (S)	С	Pennsylvania State	Energy and Mineral					σαραυιαίτεσ			
	Bo Chen (S)	PI	University of Central		NSF		MCB1856055	P19664			2	14

		Participants			Funding Sources		Proposal			Ехр.	Days
		lame, Role, Org., Dept.)		(Fundi	ng Agency, Division, Award #)		#	Proposal Title	Discipline	#	Used
Zhehong Gan (S)	С	National High Magnetic	NHMFL								
Ivan Hung (S)	С	Field Laboratory National High Magnetic	CIMAR/NMR				/	Molecular Basis of	Biology,		
(-)	-	Field Laboratory	,				/	Tunable Iridescence of Cephalopods	Biochemistry, Biophysics		
Md Imran Khan (P)	С	University of Central Florida	Physics					Серпатородз			
Jun Yang (S)	PI *	Institute of Physics,	Wuhan Institute of	NIH	NIGMS - National Institute	GM122698	P19677	Structural	Biology,	1	5
		Chinese Academy of Sciences	Physics and Mathematics		of General Medical Sciences		/	characterization of AqpZ protein at 35.2T magnet	Biochemistry, Biophysics		
Riqiang Fu (S)	С	National High Magnetic Field Laboratory	NMR				/		, , , , , , , , , , , , , , , , , , ,		
Rongfu Zhang (P)	С	National High Magnetic	NHMFL					/			
		Field Laboratory					1				
Katherine Henzler- Wildman (S)	PI *	University of Wisconsin, Madison	Biochemistry	NIH	NIGMS - National Institute of General Medical	GM141748	P19681	170 NMR of Ion Channels	Biology, Biochemistry,	2	3
Vilius Kurauskas (P)	С	University of Wisconsin,	Biochemistry		Sciences				Biophysics		
		Madison	•								
Biyi Xu (P)	PI *	University of Texas,	Materials Science and	DOE	EERE - Energy Efficiency	DE-EE0007762	P19686	Structural investigation of LiTa2P08 (LTP0) solid-	Magnets, Materials	1	2
		Austin	Engineering Program and Texas Materials Institute		and Renewable Energy		1	state electrolyte upon	Materials		
Po-Hsiu Chien (G)	С	Florida State University	Chemistry and				1	contacting lithium			
Ivan Hung (S)	С	National High Magnetic	Biochemistry CIMAR/NMR				١ ١	\			
Ivali Hully (3)	C	Field Laboratory	CIMAR/INMR				١ ١	\			
Lothar Schad (S)	PI	Heidelberg University	Computer Assisted	Heidelberg University	Non US College and		P 9689	Characterization of	Biology,	2	3
Eric Gottwald (S)	С	Karlsruhe Institute of	Clinical Medicine Institute for Biological	DAAD - Germman	University Other Non US Federal		\ \	sodium MR environments based on T1 and T2 TQ	Biochemistry, Biophysics		
Life outward (5)	Ü	Technology	Interfaces (IBG 5)	Academic Exchange Service	Agency		\	signals	S. Sp. Hydrad		
Dennis Kleimaier (G)	С	Heidelberg University	Computer Assisted Clinical Medicine	Service			\				
Simon Reichert (G)	С	Heidelberg University	Medical Faculty				\				
Victor Schepkin (S)	С	National High Magnetic	Mannheim CIMAR								
Leffman Daimean (C)	DI *	Field Laboratory	Cham and DiaM	DOE	DED Distanted and	DE-AC02-	P19732	7 a Na tamentatad single	Dielem	1	7
Jeffrey Reimer (S)	PI *	University of California, Berkeley	Chem and BioM Engineering	DOE	BER - Biological and Environmental Research	76SF00515	P17/32	Zeolite templated single atom catalysts for	Biology, Biochemistry,	'	,
Zhehong Gan (S)	С	National High Magnetic	NHMFL					propane dehydrogenation	Biophysics		
Frederic Mentink (S)	С	Field Laboratory National High Magnetic	NMR Division								
Frederic Mentilik (3)	C	Field Laboratory	NMIN DIVISION								
Frederic Mentink (S)	PI	National High Magnetic Field Laboratory	NMR Division	NIH	NIGMS - National Institute of General Medical	GM122698	P19765	P41 MAS-DNP probe development	Biology, Biochemistry,	4	22
Terry Gullion (S)	С	West Virginia University	Chemistry		Sciences				Biophysics		
Thomas Halbritter (P)	С	University of Iceland	Chemistry								
Joanna Long (S)	С	University of Florida	Biochemistry & Molecular								
Thorsten Maly (S)	С	Bridge12, Technologies,	Biology R&D								
Faith Scott (P)	С	Inc. National High Magnetic	Biochemistry & Molecular								
raini scott (F)	Ŭ	Field Laboratory	Biology								
Snorri Sigurdsson (S)	2	University of Iceland	Chemistry		NIONG N	011051005	D40F//		<b>a</b>		10
Ayyalusamy Ramamoorthy (S)	PI	University of Michigan	Chemistry & Biophysics	NIH	NIGMS - National Institute of General Medical	GM351395	P19766	Measurement of 170 Residual Quadrupolar	Chemistry	3	13
,					Sciences			Couplings in Small			
Riqiang Fu (S)	С	National High Magnetic	NMR					Molecules Using Lipid Nanodiscs			
Sam McCalpin (G)	С	Field Laboratory University of Michigan	Chemistry					Hallouises			
Gang Wu (S)	С	Queen's University at	Chemistry								
Rongfu Zhang (P)	С	Kingston National High Magnetic	NHMFL								
Robbie Iuliucci (S)	PI *	Field Laboratory Washington and	Chemistry	No other support			P19772	NMR Crystallography of	Chemistry	2	6
		Jefferson College	•	cc. capport				Pharmaceuticals and			Ĭ
Sean Holmes (P)	С	Florida State University	Chemistry and Biochemistry					Biologically Relevant Nanocrystals Augmented			
\			Diuchemistry	I			1	ivanioti ystats Augmented		1	

		Participants			Funding Sources		Proposal			Exp.	Days
		(Name, Role, Org., Dept.)			(Funding Agency, Division, Award #)		#	Proposal Title	Discipline	#	Used
Rosalynn Quiñones (S)	С	Marshall University	Chemistry					by Multinuclear High Field			
Robert Schurko (S)	С	Florida State University	Chemistry					Solid-State NMR			İ
Myriam Cotten (S)	PI	College of William and Mary	Applied Science	NSF	MCB - Molecular and Cellular Biosciences	MCB1716608	P19777	Leveraging Solid-State NMR to Investigate Host	Biology, Biochemistry,	4	36
Riqiang Fu (S)	С	National High Magnetic Field Laboratory	NMR	NIH	NIGMS - National Institute of General Medical Sciences	GM126527		Defense Mechanisms at Biological Membranes	Biophysics		
Mary Rooney (G)	С	College of William and Mary	Applied Science				/ /	/			Ì
Eric Breynaert (S)	PI	* University of Leuven	M2S	FWO Vlaanderen	Non US Foundation	V401721N	F19796	NMR for Convergence	Chemistry	3	7
Adam Altenhof (G)	С	Florida State University	Chemistry and Biochemistry	FWO Vlaanderen	Non US Foundation	G083318N		Research with focus on Nanoporous materials			Ì
Clifford Bowers (S)	С	University of Florida	Chemistry				1	Molecular Water Science,			İ
Zhehong Gan (S)	C	National High Magnetic Field Laboratory	NHMFL				П	Energy and Food and Health Science			İ
Samuel Grant (S)	С	National High Magnetic Field Laboratory	Chemical & Biomedical Engineering								1
Robert Schurko (S)	С	Florida State University	Chemistry								İ
Xiaodan Gu (S)	PI	* University of Southern Mississippi	Polymer Sience and Engineering	DOE	Office of Science - BES - Basic Energy Sciences	DE-SC0022050	P19855	Illuminating the Rigid Amorphous Fraction of	Magnets, Materials	1	5
Adam Altenhof (G)	С	Florida State University	Chemistry and Biochemistry				11	Conjugated Polymers and its Pivotal Influence on			Ì
Riqiang Fu (S)	С	National High Magnetic Field Laboratory	NMR					Optoelectronic Behavior			İ
Robert Schurko (S)	С	Florida State University	Chemistry				١ ١	\			İ
Robert Smith (G)	С	National High Magnetic Field Laboratory	•				\	\			Ì
Zhehong Gan (S)	PI	National High Magnetic Field Laboratory	NHMFL	No other support			P19856	Development and implementation of solid-	Chemistry	3	13
William Brey (S)	С	National High Magnetic Field Laboratory	NMR					state NMR methods at high magnetic fields			Ì
Ivan Hung (S)	С	National High Magnetic Field Laboratory	CIMAR/NMR				\	, ,			1
Ilya Litvak (S)	С	National High Magnetic Field Laboratory	CIMAR/NMR								1
Wenping Mao (P)	С	National High Magnetic Field Laboratory	NMR								1
Robert Schurko (S)	С	Florida State University	Chemistry								ı
Yijue Xu (P)	С	National High Magnetic Field Laboratory	solid-state NMR								1
Jeffrey Schiano (S)	PI	Pennsylvania State University	Electrical Engineering	NIH	NIGMS - National Institute of General Medical Sciences	GM122698	P19858	Flux Regulation for Powered Magnets	Engineering	1	3
William Brey (S)	С	National High Magnetic Field Laboratory	NMR								
Ilya Litvak (S)	С	National High Magnetic Field Laboratory	CIMAR/NMR								!
Waroch	С	Pennsylvania State	Electrical Engineering								1
Tangbampensountorn	-	University	,								ı
(G)		<u> </u>									<u> </u>
								Total Proposals:	Experi	iments:	Days:
								66		490	3,091.00

## 6. PFF FACILITY

		Participants		,_	Funding Sources	1.45	Proposal	Proposal Title	Discipline	Exp.	Days
Masashi Miura	PI	(Name, Role, Org., Dept.) Seikei University	Graduate School of	DOE (F	unding Agency, Division, Award Office of Science - BES -	LANLE8L5	# P16306	V-I curves in pulsed	Condensed Matter	# 1	Used 10
(S) Maxime Leroux	C	French National Center	Science and Technology LNCMI	DOE	Basic Energy Sciences	LANLESLS	P16306	fields to study vortex matter	Physics		10
(S) Boris Maiorov (S)	С	for Scientific Research Los Alamos National	MPA-MAGLAB				/	/			
Ivan Nekrashevich (P)	С	Laboratory CMMS	МРА								
Jens Haenisch	PI	Karlsruhe Institute of	Institute for Technicla	UCGP			P17518	Anisotropic electrical	Condensed Matter	1	10
(S) Pablo Cayado (P)	С	Technology karlsruhe institute of technology	Physics Institute for Technical Physics (ITEP)					transport in pinning- enhanced Fe-based and HTS superconducting thin	Physics		
Kazumasa lida (S)	С	Nagoya University	Dep. of Materials Physics, Graduate School of Engineering					films			
Jan Jaroszynski (S)	С	National High Magnetic Field Laboratory	CMS								
Mayraluna Lao (P)	С	Karlsruhe Institute of Technology	Institute of Technical Physics					\			
Sven Meyer (G)	С	Karlsruhe Institute of Technology	Institute for Technical Physics				\	\			
Chiara Tarantini (S)	С	National High Magnetic Field Laboratory	Applied Superconductivity Center	205	000 100	Figs	Dun. (0.0	51 1511			
Priscila Ferrari Silveira Rosa (P)	PI	Los Alamos National Laboratory	MPA-CMMS	DOE	Office of Science - BES - Basic Energy Sciences	F101	P17682	Pulsed field measurements on	Condensed Matter Physics	2	15
Eric Bauer (S)	С	Los Alamos National Laboratory	MST-10	DOE	Office of Science - BES - Basic Energy Sciences	F101, XWVM	\	topological semi-metals	,		
Mun Chan (S)	С	National High Magnetic Field Laboratory	Pulsed field Facility								
Neil Harrison (S)	С	National High Magnetic Field Laboratory	Physics								
Satya Kushwaha (P)	С	Los Alamos National Laboratory	MPA-MAG				`			/	
Ross McDonald (S)	С	National High Magnetic Field Laboratory	Physics								
Takao Ebihara (S)	PI	Shizuoka University	Physics	Japan society for the promotion of science	Non US Foundation	under applying	P17751	Quantum oscillation in heavy fermion system at	Condensed Matter Physics	1	3
Neil Harrison (S)	С	National High Magnetic Field Laboratory	Physics					high magnetic fields			
Marcelo Jaime (S)	С	National High Magnetic Field Laboratory	Physics	L. Alamas Casham	IIC O		D488 ( O	Electronic Clauston	01111		
Neil Harrison (S)	PI	National High Magnetic Field Laboratory National High Magnetic	Physics	Los Alamos Seaborg Institute	US Government Lab		P17768	Electronic Structure and Equation of State of Plutonium	Condensed Matter Physics	1	5
John Singleton (S) Paul Tobash (P)	С	Rational High Magnetic Field Laboratory National High Magnetic	Physics MPA-cmms					Ptutomum			
Mark Wartenbe	С	Field Laboratory Los Alamos National	MST-16								
(P) Laurel Winter (S)	· ·	Laboratory National High Magnetic	Physics								
		Field Laboratory									<u> </u>
Jiun-Haw Chu (S)	PI *	University of Washington	Physics	NSF	DMR - Division of Materials Research	DMR1719797	P17782	Tunable three- dimensional Dirac	Condensed Matter Physics	3	15
Qianni Jiang (G)	С	University of Washington	Physics	DOE	Office of Science - ASCR - Advanced Scientific	DE-SC0019443		Fermions in high magnetic field	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Zhaoyu Liu (P)	С	University of Washington	Department of Physics	DOE	Computing Research Office of Science - EFRC - Energy Frontier Research Centers	635930					
Paul Malinowski (G)	С	University of Washington	Physics	Gordon and Betty Moore Foundation	US Foundation	GBMF6759					
Joshua Mutch (G)	С	University of Washington	Physics								
Arkady Shehter (S)	C	Los Alamos National Laboratory	LANL MPA-MAGLAB								
Qi Li (S)	Ρ\	Pennsylvania State University	Physics	DOE	Office of Science - BES - Basic Energy Sciences	DE-FG02-08ER46531	P17849	Shubnikov de Haas oscillation of two	Condensed Matter Physics	1	9

		Participants			Funding Sources		Proposal	Proposal Title	Discipline	Ехр.	Days
Autumn Heltman	С	(Name, Role, Org., Dept.) Pennsylvania State	Physics	(F	unding Agency, Division, Award	d #)	#	dimensional electron	Distribution of the second	#	Used
(U) Zhu Lin (P)	С	University Pennsylvania State	Physics					gases with strong spin- orbit coupling at			
Ziqiao Wang (G)	С	University Pennsylvania State	Physics					transition metal oxide interfaces			
Laurel Winter (S)	PI	University National High Magnetic Field Laboratory	Physics	LANL	US Government Lab	20200680PRD1	P 17875	High Magnetic Field Studies of the Field	Condensed Matter Physics	1	7
Ross McDonald (S)	С	National High Magnetic Field Laboratory	Physics				/	Induced Phases of Graphite	Tilyaica		
Johanna Palmstrom (P)	С	Los Alamos National Laboratory (LANL)	MPA-MAG								
James Analytis (S)	PI	University of California, Berkeley	Physics	DOE	Office of Science - BES - Basic Energy Sciences	DE-AC02-05CH11231	P17891	High field magnetic phase transitions in intercalated	Condensed Matter Physics	1	5
Shannon Haley (G)	С	University of California, Berkeley	Physics	Gordon and Betty Moore Foundation	US Foundation	GBMF9067		transition metal dichalcogenides			1
Nikola Maksimovic (G)	С	University of California, Berkeley	Physics								Ì
Vikram Nagarajan (G)	С	University of California, Berkeley	Physics								Ì
Nityan Nair (G)  John Singleton	С	University of California, Berkeley National High Magnetic	Physics Physics				1	\			ĺ
(S) Minhyea Lee (S)	PI	Field Laboratory University of Colorado,	Physics	DOE	Office of Science - BES -	DE-SC0021377	P17906	Investigation on unusual	Condensed Matter	2	15
Gang Cao (S)	С	Boulder University of Colorado,	Department of Physics.	502	Basic Energy Sciences	DE 300021077	\\	magnetic responses in quantum magnets	Physics		"
lan Leahy (G)	С	Boulder University of Colorado,	Physics								
Ross McDonald	С	Boulder National High Magnetic	Physics								
(S) Christopher Pocs	С	Field Laboratory University of Colorado, Boulder	Physics								
(G) Arkady Shehter (S)	С	Los Alamos National Laboratory	LANL MPA-MAGLAB				`			/	
Peter Siegfried (P)	С	George Mason University	Physics and Astronomy								
Chris Palmstrom (S)	PI	<ul> <li>University of California,</li> <li>Santa Barbara</li> </ul>	ECE-Material Science	DOE	Office of Science - BES - Basic Energy Sciences	DE-SC0014388	P18013	Revealing topological properties of Heusler	Condensed Matter Physics	1	5
Shouvik Chatterjee (P)	С	University of California Santa Barbara	Electrical & Computer Engineering					compounds via magneto- transport under high			
Connor Dempsey	С	University of California,	ECE					magnetic field.			
(G) Aranya Goswami (G)	С	Santa Barbara University of California, Santa Barbara	ECE								
Hadass Inbar (G)	С	University of California, Santa Barbara	Materials								
Tony McFadden (G)	С	University of California, Santa Barbara	ECE								
Johanna Palmstrom (P)	С	Los Alamos National Laboratory (LANL)	MPA-MAG								
Dan Read (S)	С	University of California, Santa Barbara	Materials								
Laurel Winter (S)	PI	National High Magnetic Field Laboratory	Physics	No other support			P18062	Testing and development of pulsed field probes	Magnets, Materials	2	14
You Lai (P)	С	National High Magnetic Field Laboratory	Physics	DOE	Office of Science - EFRC - Energy Frontier Research Centers	DE-AC02-07CH1135					
Boris Maiorov (S)	С	Los Alamos National Laboratory	MPA-MAGLAB	LANL LDRD	US Government Lab						
Christopher Mizzi	С	Los Alamos National Laboratory	MPA-MAGLAB: MPA-MAG LAB NHMFL GROUP								
Rongying Jin (S)	PI	* University of South Carolina	Department of Physics and Astronomy	DOE	EPSCoR - Established Program to Stimulate	DE-SC0012432	P19126	Investigating quantum oscillations in TaSe3 and	Condensed Matter Physics	1	4
Ramakanta Chapai (P)	9	Argonne National Laboratory	Materials Science Division		Competitive Research			PtTe2 under high magnetic field			
Citabat (1.)	<del>-\</del>	Laboratory	PIAISIOII	1			1	1	ı	·	

		Participants			Funding Sources		Proposal			Ехр.	Days
		(Name, Role, Org., Dept.)		(F	unding Agency, Division, Award	i #)	#	Proposal Title	Discipline	#	Used
Ahmad Ikhwan Us Saleheen (P)	С	Louisiana State University	Physics and Astronomy				/				
Neil Harrison (S)	PI	National High Magnetic Field Laboratory	Physics	DOE	LDRD - Laboratory Directed R&D	DE-RE20-18ER20180	P1913/	Science of High MagneticFields	Biology, Biochemistry,	4	35
Ryan Baumbach (S)	С	National High Magnetic Field Laboratory	CMS	DOE	Office of Science - BES - Basic Energy Sciences	LANLF101	/		Biophysics		
Scott Crooker (S)	С	National High Magnetic Field Laboratory	Nat High Magnetic Field Lab	DOE	Office of Science - BES - Basic Energy Sciences	F101	/				
Priscila Ferrari Silveira Rosa (P)	С	Los Alamos National Laboratory	MPA-CMMS	DOE	LDRD - Laboratory Directed R&D	DE-XW50-0	/				
Daniel Jackson (P)	С	National High Magnetic Field Laboratory	MPA/MAG	DOE	Office of Science - BES - Basic Energy Sciences	LANLF100	/				
Marcelo Jaime (S)	С	National High Magnetic Field Laboratory	Physics								
Satya Kushwaha (P)	С	Los Alamos National Laboratory	MPA-MAG								
Ross McDonald (S)	С	National High Magnetic Field Laboratory	Physics								
Christopher Mizzi (P)	С	Los Alamos National Laboratory	MPA-MAGLAB: MPA-MAG LAB NHMFL GROUP								
Joonbum Park (P)	С	Helmholtz-Zentrum Dresden-Rossendorf	Dresden High Magnetic Field Laboratory					\			
William Phelan (S)	С	(HZDR) Los Alamos National Laboratory	MST-16				\	\			
Lucas Pressley (G)	С	Johns Hopkins University	Chemistry				\				
Katherine	С	National High Magnetic	NHMFL Pulsed Field				\	\			
Schreiber (P) John Singleton	С	Field Laboratory National High Magnetic	Facility Physics				\				
(S)		Field Laboratory									
Mark Wartenbe (P)	С	Los Alamos National Laboratory	MST-16								
Vivien Zapf (S)	С	National High Magnetic Field Laboratory	Physics				\				
Hsinhan Tsai (P)	PI	Los Alamos National Laboratory	MPA-11	DOE	LDRD - Laboratory Directed R&D	DE-AA00-00AA00000	P19141	New 2D perovskites for high temperature	Magnets, Materials	2	9
Minseong Lee (P)	С	Los Alamos National Laboratory	MPA-MAG	DOE	Office of Science - BES - Basic Energy Sciences	0		multiferroics			
Wanyi Nie (S)	С	Los Alamos National Laboratory	MPA-11		5,						
Magdalena Owczarek (P)	С	Los Alamos National Laboratory	CINT								
Vivien Zapf (S)	С	National High Magnetic Field Laboratory	Physics								
Krzysztof Gofryk (S)	PI	Idaho National Laboratory	Fuel Performance & Design	DOE	LDRD - Laboratory Directed R&D	DE-AC07-05ID14517	P19145	Transport and magnetic properties of selected d-	Condensed Matter Physics	1	5
Neil Harrison (S)	С	National High Magnetic Field Laboratory	Physics					and f-electron topological materials in high		-	
Narayan Poudel (P)	С	Idaho National Laboratory	Nuclear Materials					magnetic fields			
Vivien Zapf (S)	PI	National High Magnetic Field Laboratory	Physics	DOE	Office of Science - BES - Basic Energy Sciences	Quantum Science Center	P19182	Magnetic field-induced spin liquids and quantum	Condensed Matter Physics	2	8
Marcelo Jaime (S)	С	National High Magnetic Field Laboratory	Physics	DOE	Office of Science - BES - Basic Energy Sciences	0		phase transitions in Kitaev materials			
Minseong Lee (P)	С	Los Alamos National Laboratory	MPA-MAG								
David Mandrus (S)	С	University of Tennessee, Knoxville	Materials Science and Engineering								
Rico Schoenemann	С	Los Alamos National Laboratory	MPA-MAG								
(P)	DI		Chamiata, and	NCE	DMD District of	DMD1702002	D10000	Manufaciliari - 1- APZOS	Candanas d Maile	_	,
Jamie Manson (S)	PI	Eastern Washington University	Chemistry and Biochemistry	NSF	DMR - Division of Materials Research	DMR1703003	P19233	New topologies in Ni(II) quantum magnets with XY	Condensed Matter Physics	2	6
Paul Goddard (S)	C	University of Warwick	Department of Physics					anisotropy			
John Singleton (S)	<u>\</u>	National High Magnetic Field Laboratory	Physics								
-	1					·					

		Participants (Name, Role, Org., Dept.)			Funding Sources (Funding Agency, Division, Award	i #)	Proposal #	Proposal Title	Discipline	Exp. #	Days Used
Robert	PI	Ames Laboratory	physics & astronomy	DOE	Office of Science - BES -	No. DE-AC02-06CH11357	P19250	Investigation of exotic	Condensed Matter	1	3
McQueeney (S) You Lai (P)	С	National High Magnetic Field Laboratory	Physics		Basic Energy Sciences			topological states using high magnetic fields	Physics		
Ross McDonald (S)	С	National High Magnetic Field Laboratory	Physics								
Dmitry Yarotski (S)	С	Los Alamos National Laboratory	Center for Integrated Nanotechnologies								
Vivien Zapf (S)	PI	National High Magnetic Field Laboratory	Physics	DOE	Office of Science - EFRC - Energy Frontier Research Centers	Center For Molecular Magnetic Quantum Materials	P19265	Magnetization of giant torus at the interface of quantum and classical	Condensed Matter Physics	1	3
Garnet Chan (S)	С	California Institute of Technology	Physics				/	magnetism			
Hai Ping Cheng (S)	С	University of Florida	Physics				l				
George Christou (S)	С	University of Florida	Chemistry								
Minseong Lee (P)	С	Los Alamos National Laboratory	MPA-MAG								
Janice Musfeldt (S)	PI	University of Tennessee, Knoxville	Department of Chemistry	NSF	DMR - Division of Materials Research	DMR1707846	P19343	High field spectroscopy of materials with broken	Chemistry	1	6
Kendall Hughey (G)	С	University of Tennessee, Knoxville	Chemistry				1	symmetry and strong spin-orbit coupling			
Minseong Lee (P)	С	Los Alamos National Laboratory	MPA-MAG				\	\			
Vivien Zapf (S)	С	National High Magnetic Field Laboratory	Physics					\			
Eugenio Coronado (S)	PI *	University of Valencia	Chemistry	European Research Council	Other	H2020-ERC-788222	P19393	Experimental identification of new	Condensed Matter Physics	2	15
Fedor Balakirev (S)	С	National High Magnetic Field Laboratory	PFF					topological materials: the case of Pt5Se4, a			
José J. Baldoví (P)	С	University of Valencia	Instituto de Ciencia Molecular (ICMol)					predicted line topological semimetal.			
Carla Boix- Constant (G)	С	University of Valencia	ICMol				\				
Samuel Mañas- Valero (G)	С	University of Valencia	ICMol (Institute for Molecular Science)							_	
John Singleton (S)	С	National High Magnetic Field Laboratory	Physics								
John DiTusa (S)	PI	Louisiana State University	Department of Physics and Astronomy	DOE	EPSCoR - Established Program to Stimulate Competitive Research	DESC0012432	P19403	Investigating the angular dependence of dHvA oscillations in chiral	Condensed Matter Physics	1	8
Ronald Pagano (G)	С	Louisiana State University	Physics and Astronomy					compound PdGa			
John Singleton (S)	С	National High Magnetic Field Laboratory	Physics								
James Analytis (S)	PI	University of California, Berkeley	Physics	DOE	MSE - Materials Science and Engineering	DE-SC0014039	P19409	Breaking Kondo hybridization with	Condensed Matter Physics	3	21
Ella Lachman (P)	С	University of California, Berkeley	Physics	DOE	Office of Science - BES - Basic Energy Sciences	No. DE-AC02-05CH11231		magnetic field in heavy fermion superconductors			
Nikola Maksimovic (G)	С	University of California, Berkeley	Physics								
Vikram Nagarajan (G)	C	University of California, Berkeley	Physics								
Lu Li (S)	PI	University of Michigan	Physics	DOE	Office of Science - BES - Basic Energy Sciences	DE-SC0020184	P19528	Search for novel electronic and magnetic	Condensed Matter Physics	6	42
Aaron Chan (G)	С	University of Michigan	Department of Physics	NSF	DMR - Division of Materials Research	DMR2004288		state in ultraintensive magnetic fields			
Kuan-Wen Chen (P)	С	University of Michigan	Physics								
David Mandrus (S)	С	University of Tennessee, Knoxville	Materials Science and Engineering								
Yuji Matsuda (S) Emilia Morosan	C C	Kyoto University Rice University	Physics Physics and Astronomy								
(S) Ziji Xiang (P) Dechen Zhang	6	University of Michigan University of Michigan	Physics Department of Physics								
(G)	-			1			1		1	l	

		Participants			Funding Sources	<b>.</b>	Proposal	Proposal Title	Discipline	Exp.	Days
		(Name, Role, Org., Dept.)			(Funding Agency, Division, Award	i #)	#	1 Toposat Title	Diocipano	#	Used
Guoxin Zheng (G)	С	University of Michigan	Department of Physics								
Rico	PI	Los Alamos National	MPA-MAG	UCGP			P19530	Magnetoelastic and	Condensed Matter	1	10
Schoenemann		Laboratory						magnetocaloric	Physics		
(P)							/	properties of a			
Priscila Ferrari	С	Los Alamos National	MPA-CMMS				/	topological			
Silveira Rosa (P)		Laboratory					/	superconductor candidate	/		
Marcelo Jaime	С	National High Magnetic	Physics				/	/			
(S)		Field Laboratory					/	/			
Sean Thomas (T)	С	Los Alamos National	CMMS				/	/			
		Laboratory					/	/			
Vivien Zapf (S)	С	National High Magnetic	Physics				/	/			1
		Field Laboratory									
Matthew Coak	PI *	University of Warwick	Department of Physics	European Research	Non US Council	681260	P19533	High-field properties of	Condensed Matter	1	5
(P)				Council			1	two-dimensional	Physics		
Geetha	С	University of Warwick	Physics					magnetic van-der-Waals			1
Balakrishnan (S)								materials			
Paul Goddard (S)	С	University of Warwick	Department of Physics								
John Singleton	С	National High Magnetic	Physics								
(S)		Field Laboratory									
Mun Chan (S)	PI	National High Magnetic	Pulsed field Facility	DOE	LDRD - Laboratory	DE-XX00-00	P19534	Unconventional	Condensed Matter	2	10
		Field Laboratory			Directed R&D		١	superconductivity in	Physics		1
Rubi Km (P)	С	Los Alamos National	MPA-MAGLAB	DOE	LDRD - Laboratory	DE-ER21-20AA22222	١	nickelates and cuprates			1 1
		Laboratory			Directed R&D		١	\			
Boris Maiorov (S)	С	Los Alamos National	MPA-MAGLAB				١	\			
		Laboratory					١ ١	\			
Christopher Mizzi	С	Los Alamos National	MPA-MAGLAB: MPA-MAG				١ ١	\			
(P)		Laboratory	LAB NHMFL GROUP				\	\			
Magdalena	PI *	Los Alamos National	CINT	DOE	LDRD - Laboratory	DE-AA00-00AA00000	P(9535	Investigation of magnetic	Condensed Matter	1	10
Owczarek (P)		Laboratory			Directed R&D		\ \	field-induced spin	Physics		
Minseong Lee (P)	С	Los Alamos National	MPA-MAG				\	crossover transition in			
		Laboratory					\	Fe(II) coordination			
Wanyi Nie (S)	С	Los Alamos National	MPA-11				\	complex			
		Laboratory					\				
Vivien Zapf (S)	С	National High Magnetic	Physics				\				
		Field Laboratory						\			
Huibo Cao (S)	PI *	Oak Ridge National	Neutron scattering	DOE	Office of Science - ECRP -	KC0402010	P19536	Magnetic plateaux in a	Condensed Matter	2	9
		Laboratory			Early Career Research			triangular-lattice magnet	Physics		
	_				Program						
Lei Ding (P)	С	Oak Ridge National	Neutron scattering								
	_	Laboratory	division								
Marcelo Jaime	С	National High Magnetic	Physics								
(S)	_	Field Laboratory									
Minseong Lee (P)	С	Los Alamos National	MPA-MAG								
D:	С	Laboratory	1404 1440								
Rico Schoenemann	L	Los Alamos National	MPA-MAG								
(P)		Laboratory									
Vivien Zapf (S)	С	National High Magnetic	Physics								
vivieli zapi (3)	C	Field Laboratory	Filysics							_	
Kathrin Goetze	PI *	Deutsches Elektronen-	FS-US	European Research	Non US Council	681260	P19537	Fermi surface	Condensed Matter	1	10
(P)		Synchrotron DESY	13-03	Council Consolidator	Non 03 council	001200	11/33/	investigations on	Physics	'	10
(1)		Syncin on on BEST		Grant				pyrochlore iridates using	1 Hysics		
Andrew	C	University of Oxford	Physics	o.a				delayed current			
Boothroyd (S)		Chirefolly of Chief a	,c.cc					application across an			
Paul Goddard (S)	С	University of Warwick	Department of Physics					insulator-metal transition			
Dharmalingam	Ċ	University of Oxford	Physics					in pulsed magnetic fields			1
Prabhakaran (S)			•								1 1
John Singleton	С	National High Magnetic	Physics								
(S)		Field Laboratory					<u> </u>		<u> </u>	<u></u>	<u> </u>
Joseph	PI	Massachusetts Institute	Physics	NSF	DMR - Division of	DMR1231319	P19540	High Field Studies of	Condensed Matter	3	25
Checkelsky (S)		of Technology	•		Materials Research			Novel Layered Materials	Physics		
Aravind	С	Columbia University	Physics	NSF	DMR - Division of	DMR1554891					1
Devarakonda (P)		N.	-		Materials Research						1 1
Minyong Han (G)	С	Massachusetts Institute	Physics								1
		of Technology									
Caolan John (G)	¢	Massachusetts Institute	Physics								1
		of Technology									
	1										

		Participants			Funding Sources		Proposal	Proposal Title	Discipline	Ехр.	Days
Deathless (0)		(Name, Role, Org., Dept.)	Dharia	(F	unding Agency, Division, Awar	i #)	#	Proposal Title	Discipune	#	Used
Paul Neves (G)	С	Massachusetts Institute of Technology	Physics				/				ľ
Joshua Wakefield (G)	С	Massachusetts Institute of Technology	Physics								
Junbo Zhu (G)	С	Massachusetts Institute of Technology	Physics								
Zhiqiang Mao (S)	PI	Pennsylvania State University	Department of Physics	DOE .	Office of Science - BES - Basic Energy Sciences	DE-SC0019068	P[9544	Studies of exotic quantum phenomena near the	Condensed Matter Physics	1	6
Ross McDonald (S)	С	National High Magnetic Field Laboratory	Physics	DOE	Office of Science - BES - Basic Energy Sciences	DE-SC0014208	/	quantum limit in Dirac semimetals AMnSb2			
Lujin Min (G)	С	Pennsylvania State University	Department of Physics	DOE	EPSCoR - Established Program to Stimulate Competitive Research	DE-SC0012432		(A=Sr, Ba and Yb)			
Johanna Palmstrom (P)	С	Los Alamos National Laboratory (LANL)	MPA-MAG	LANL	US Government Lab	20200680PRD1					
Priscila Ferrari Silveira Rosa (P)	PI	Los Alamos National Laboratory	MPA-CMMS	DOE	Other	20210064DR	P19549	High field exploration of topological	Condensed Matter Physics	1	9
You Lai (P)	С	National High Magnetic Field Laboratory	Physics					superconductivity in actinide compounds	,		
Ross McDonald (S)	С	National High Magnetic Field Laboratory	Physics					· \			
Philip Moll (S)	С	Ecole Polytechnique Federale de Lausanne	Institute of Materials					\			
Valentin Taufour (S)	PI *	University of California, Davis	Physics Department	University of California, Davis	US College and University		P19616	High Magnetic Field Studies of Co-based	Condensed Matter Physics	1	10
Eun Sang Choi (S)	С	National High Magnetic Field Laboratory	Physics Department				\	Materials			
Audrey Grockowiak (S)	С	National High Magnetic Field Laboratory	DC Field/CMS				\				
Neil Harrison (S)	С	National High Magnetic Field Laboratory	Physics								
Yunshu Shi (G)	С	University of California, Davis	Department of Physics and Astronomy								
Cui-Zu Chang (S)	PI *	Pennsylvania State University	Physics	NSF	DMR - Division of Materials Research	DMR1847811	P19621	Interfacial Superconductivity in	Condensed Matter Physics	1	5
David Graf (S)	С	National High Magnetic Field Laboratory	DC Field CMS					Bi2Te3/FeTe Heterostructures under			
Seng Huat Lee (S)	С	Pennsylvania State University	Physics					High Magnetic Fields			
Zhiqiang Mao (S)	С	Pennsylvania State University	Department of Physics								
Hemian Yi (P)	С	Pennsylvania State University	Department of physics								
Yi-Fan Zhao (G)	С	Pennsylvania State University	Physics								
Filip Ronning (S)	PI	Los Alamos National Laboratory	MPA-CMMS	DOE	Office of Science - BES - Basic Energy Sciences	E1FR	P19631	Magnetically frustrated f- electron intermetallics	Condensed Matter Physics	2	10
Eric Bauer (S)	С	Los Alamos National Laboratory	MST-10							-	
Neil Harrison (S)	С	National High Magnetic Field Laboratory	Physics								
Yu Liu (P)		Brookhaven National Laboratory	Condensed Matter Physics								
Ross McDonald (S)	С	National High Magnetic Field Laboratory	Physics								
Vivien Zapf (S)	С	National High Magnetic Field Laboratory	Physics								
James Wampler (P)	PI *	Los Alamos National Laboratory	MPA-MAG	DOE	Other	00-00000000	P19634	In search of quantum spin liquid states in 5f	Condensed Matter Physics	2	15
Priscila Ferrari Silveira Rosa (P)	С	Los Alamos National Laboratory	MPA-CMMS					compounds			
Marcelo Jaime (S)	С	National High Magnetic Field Laboratory	Physics								
Rico Schoenemann (P)	C	Los Alamos National Laboratory	MPA-MAG								
Vivien Zapf (S)	d	National High Magnetic Field Laboratory	Physics								
				•			•		•		-

			Participants (Name, Role, Org., Dept.)		(Fi	Funding Sources unding Agency, Division, Awar	d #)	Proposal #	Proposal Title	Discipline	Exp.	Days Used
James Wampler (P)	PI	*	Los Alamos National Laboratory	MPA-MAG	DOE	Office of Science - EFRC - Energy Frontier Research Centers	DE-SC0019330	P19635	Investigation of the field- driven Spin Crossover Transition in a tautomeric	Condensed Matter Physics	2	1
Minseong Lee (P)	С		Los Alamos National Laboratory	MPA-MAG					Co complex			
Michael Shatruk (S)	С		National High Magnetic Field Laboratory	Department of Chemistry and Biochemistry				/				
Ping Wang (P)	С		Florida State University	physics				/				
Vivien Zapf (S)	С		National High Magnetic Field Laboratory	Physics				/				
Rongying Jin (S)	PI	*	University of South Carolina	Department of Physics and Astronomy	NSF	DMR - Division of Materials Research	DMR1504226	P19637	Search for field-induced new quantum phenomena	Condensed Matter Physics	1	1
Joanna Blawat (G)	С		University of South Carolina	Physics and Astronomy					in EuZn2As2, TaSe3 PtBi2-x, and IrSn4			
Roshan Nepal (P)	С		Louisiana State University	Physics and Astronomy								
Johanna Palmstrom (P)	С		Los Alamos National Laboratory (LANL)	MPA-MAG								
John Singleton (S)	С		National High Magnetic Field Laboratory	Physics								
Smita Speer (G)	С		Louisiana State University	Physics & Astronomy					\			
Nitin Samarth (S)	PI	*	Pennsylvania State University	Physics	NSF	DMR - Division of Materials Research	DMR1539916	P19651	High magnetic field measurements of	Condensed Matter Physics	1	1
Scott Crooker (S)	С		National High Magnetic Field Laboratory	Nat High Magnetic Field Lab				\	superconductivity in high Tc FeSe films			
Yanan Li (G)	С		Pennsylvania State University	Physics Department				\	\			
Ross McDonald (S)	С		National High Magnetic Field Laboratory	Physics								
Nicholas Butch (S)	PI		National Institute of Standards and Technology MD	NIST Center for Neutron Research	National Institute of Standards and Technology	US Government Lab		P19704	Studies of high-field states of UTe2	Condensed Matter Physics	1	1
Sylvia Lewin (P)	С		University of Maryland, College Park	Physics				\				
Laurel Winter (S)	С		National High Magnetic Field Laboratory	Physics							/	
Emilia Morosan (S)	PI		Rice University	Physics and Astronomy	NSF	DMR - Division of Materials Research	DMR1903741	P19747	Determining the Berry phase in BaGa2 and SrGa2 single crystals using high magnetic fields	Condensed Matter Physics	1	
					•			4	Total Proposals:	Experi	ments:	Day
									43		69	4

