

OFFICE OF SCIENCE

Information Management for Office of Science (IMSC)

Listing of Active Awards for State (AK)

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2011
ASKA, UNIVERSITY OF, FAIRBANKS Fairbanks, AK	DE-FG02-08ER46502 06/30/2012 Deal	SC-22.21	Influence of Sea Ice on Arctic Marine Sulfur Biogeochemistry in the Community Climate System Model	0
ASKA, UNIVERSITY OF, FAIRBANKS Fairbanks, AK	DE-FG02-09ER46628 08/14/2012 Zhang	SC-22.21	Novel Dense Membranes for Hydrogen Separation for Energy Applications	15
ASKA, UNIVERSITY OF, FAIRBANKS Fairbanks, AK	DE-FG02-09ER46629 08/14/2013 Bhatt	SC-22.21	Characterization of the Dynamics of Climate Systems and Identification of Missing Mechanisms Impacting Global Climate Models	15
ASKA, UNIVERSITY OF, FAIRBANKS Fairbanks, AK	DE-FG02-10ER46707 07/14/2013 Holdmann	SC-22.21	Making Wind Work for Alaska: Supporting the Development of Sustainable, Resilient, Cost-Effective Wind-Diesel Systems for	50
ASKA, UNIVERSITY OF, FAIRBANKS Fairbanks, AK	DE-FG02-04ER54741 12/14/2012 Newman	SC-24.2	Investigations of the Dynamics of Self-Consistent Models for Turbulent Transport and Implications for Transport Barrier Formation and Evolution	171
ASKA, UNIVERSITY OF, FAIRBANKS Fairbanks, AK	DE-FG02-11ER65127 02/28/2013 Hinzman	SC-23.2	Alaska Climate Data Center	972
ASKA, UNIVERSITY OF, FAIRBANKS Fairbanks, AK	DE-FG02-11ER65330 09/14/2014 Walter Anthony	SC-23.1	Collaborative Research: Quantifying Climate Feedbacks of the Terrestrial Biosphere Under Thawing Permafrost Conditions in the Arctic	183
ASKA, UNIVERSITY OF, FAIRBANKS Fairbanks, AK	DE-FG02-11ER65333 09/14/2014 Hinzman	SC-23.1	Toward the Development of a Cold Regions Regional-Scale Hydrologic Model	513
ASKA, UNIVERSITY OF, FAIRBANKS Fairbanks, AK	DE-FG02-11ER65371 09/14/2014 Hutchings	SC-23.1	CR: Understanding the Effects of Tides and Eddies on the Ocean Dynamics, Sea Ice Cover and Decadal/Centennial Climate Production Using the Regional Arctic...	82
Total for AK :				2,001

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Listing of Active Awards for State (AL)

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands)
				FY 2011
BAMA, UNIVERSITY OF HUNTSVILLE Huntsville, AL	DE-FG02-10ER55027 05/31/2012 Cassibry	SC-24.2	Formation of Imploding Plasma Liners for Fundamental HEDP Studies and MIF Standoff Driver Concept	195
BAMA, UNIVERSITY OF HUNTSVILLE Huntsville, AL	DE-FG02-11ER65175 08/31/2014 Cseke	SC-23.2	Nutrient Cycling for Biomass: Interactive Proteomic/Transcriptomic Networks for Global Carbon Management Processes within Poplar-Mycorrhizal Interactions	341
BAMA, UNIVERSITY OF TUSCALOOSA Tuscaloosa, AL	DE-FG02-96ER40967 04/14/2014 Busenitz	SC-25	Research in Neutrino Physics	390
BAMA, UNIVERSITY OF TUSCALOOSA Tuscaloosa, AL	DE-FG02-09ER64896 09/14/2012 Sobecky	SC-23.1	Uranium Biomineralization by Natural Microbial Phosphatase Activities in the Subsurface	137
BAMA, UNIVERSITY OF TUSCALOOSA Tuscaloosa, AL	DE-FG02-10ER46737 08/14/2013 Pan	SC-22.21	Single-Molecule Spectroelectrochemistry of Interfacial Charge Transfer Dynamics In Hybrid Organic Solar Cell	15
BAMA, UNIVERSITY OF TUSCALOOSA Tuscaloosa, AL	DE-FG02-09ER46630 08/14/2013 Steadman	SC-22.21	Nanostructure-Enhanced Phase Change Materials (NEPCM) and HRD Coordination	635
BAMA, UNIVERSITY OF TUSCALOOSA Tuscaloosa, AL	DE-FG02-08ER46499 06/14/2012 LeClair	SC-22.21	Exchange Interactions in Epitaxial Intermetallic Layered Systems	0
BAMA, UNIVERSITY OF TUSCALOOSA Tuscaloosa, AL	DE-FG02-08ER46537 08/31/2014 Gupta	SC-22.23	Multicomponent Protein Cage Architecture for Photocatalysis	219
BAMA, UNIVERSITY OF TUSCALOOSA Tuscaloosa, AL	DE-FG02-10ER41714 08/31/2013 Okada	SC-25	Research in Theoretical High Energy Physics	50
BAMA, UNIVERSITY OF TUSCALOOSA Tuscaloosa, AL	DE-FG02-86ER13465 01/14/2013 Kispert	SC-22.13	Magnetic Resonance and Optical Spectroscopic Studies of Carotenoids	145
BAMA, UNIVERSITY OF TUSCALOOSA Tuscaloosa, AL	DE-FG02-06ER15764 01/14/2012 Dixon	SC-22.12	Molecular Basis for Microbial Adhesion and Geochemical Surface Reactions: A Study Across Scales	49
BAMA, UNIVERSITY OF TUSCALOOSA Tuscaloosa, AL	DE-FG02-01ER41166 03/14/2013 Piepke	SC-26.1	Low Energy Neutrino Physics	300
AUBURN UNIVERSITY Auburn University, AL	DE-FG02-00ER54577 10/31/2012 Thomas	SC-24.2	RECOVERY ACT - Sheared Flows in Magnetized Plasmas - Fusion, Laboratory, and Space Applications	108
AUBURN UNIVERSITY Auburn University, AL	DE-FG02-00ER54610 11/30/2013 Knowlton	SC-24.2	MHD Stability and Equilibrium in a Current-Driven Stellarator-Tokamak Hybrid	679
AUBURN UNIVERSITY Auburn University, AL	DE-FG02-09ER64804 07/31/2012 Barnett	SC-23.1	Understanding the Subsurface Reactive Transport of Transuranic Contaminants at DOE Sites	191

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2011
AUBURN UNIVERSITY Auburn University, AL	DE-FG02-03ER54692 10/31/2014 Hanson	SC-24.2	Three-Dimensional Equilibrium Reconstruction and MHD Studies in Stellarators	114
AUBURN UNIVERSITY Auburn University, AL	DE-FG02-96ER54348 12/31/2013 Pindzola	SC-24.2	Theoretical Atomic and Molecular Physics for Controlled Fusion Energy	113
AUBURN UNIVERSITY Auburn University, AL	DE-FG02-05ER54819 09/14/2014 Pindzola	SC-24.2	Computational Atomic and Molecular Physics for Transport Modeling of Fusion Plasmas	179
AUBURN UNIVERSITY Auburn University, AL	DE-FG02-08ER46497 06/14/2012 Fergus	SC-22.21	Effect of SOFC Interconnect-Coating Interactions on Coating Properties and Performance	0
AUBURN UNIVERSITY Auburn University, AL	DE-FG02-00ER15069 01/31/2015 Robicheaux	SC-22.11	Atoms and Ions Interacting with Particles and Fields	80
AUBURN UNIVERSITY Auburn University, AL	DE-FG02-10ER16146 06/30/2014 Landers	SC-22.11	Imaging Multi-Particle Atomic and Molecule Dynamics	120
SA - MARSHALL SPACE FLIGHT CTR Huntsville, AL	DE-AI02-09ER46557 07/31/2013 Gubarev	SC-22.21	Optics for Advanced Neutron Imaging and Scattering	325
SOUTH ALABAMA, UNIVERSITY OF Mobile, AL	DE-FG02-96ER40970 04/14/2012 Jenkins	SC-25	Experimental High Energy Physics Group	63
Total for AL :				4,448

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2011
ARKANSAS, UNIVERSITY OF Fayetteville, AR	DE-FG02-01ER15161 08/14/2013 Henry	SC-22.13	Protein Targeting to the Chloroplast Thylakoid Membrane: Structure and Function of a Targeting Complex	165
ARKANSAS, UNIVERSITY OF Fayetteville, AR	DE-FG02-09ER46612 08/14/2012 Bellaiche	SC-22.22	Properties of Multiferroic Nanostructures From First Principles	150
SAS, UNIVERSITY OF LITTLE ROCK Little Rock, AR	DE-FG02-07ER64328 12/14/2012 Gaffney	SC-23.1	Natural Radionuclides and Isotopic Signatures for Determining Carbonaceous Aerosol Sources, Aerosol Lifetimes, and Washout Processes	0
Total for AR :				315

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands)
				FY 2011
ARIZONA STATE UNIVERSITY Tempe, AZ	DE-FG02-10ER25984 05/31/2013 Ahn	SC-21.1	Assured Resource Sharing in Ad-hoc Collaboration	171
ARIZONA STATE UNIVERSITY Tempe, AZ	DE-FG02-09ER41624 08/14/2012 Krauss	SC-25	Theoretical Research at the High Energy Frontier: Cosmology, Neutrinos, and Beyond	355
ARIZONA STATE UNIVERSITY Tempe, AZ	DE-FG02-09ER16123 09/14/2012 Wachter	SC-22.13	SISGR - The Regulation of Carbon Fixation in Plant and Green Algae: Rubisco Activase and the Origin of Heat	250
ARIZONA STATE UNIVERSITY Tempe, AZ	DE-FG02-04ER15603 01/31/2014 Steimle	SC-22.11	Generation, Detection and Characterization of Gas-Phase Transition Metal Containing Molecules	114
ARIZONA STATE UNIVERSITY Tempe, AZ	DE-FG02-03ER15393 02/14/2013 Gust, Moore, Moore	SC-22.13	Supramolecular Structures for Photochemical Energy Conversion	175
ARIZONA STATE UNIVERSITY Tempe, AZ	DE-FG02-04ER15543 05/31/2014 Vermaas	SC-22.13	Thylakoid Membrane Biogenesis in Cyanobacteria	170
ARIZONA STATE UNIVERSITY Tempe, AZ	DE-FG02-09ER64805 07/31/2012 Rittmann	SC-23.1	Assessing the Role of Iron Sulfides in the Long Term Sequestration of U by Sulfate Reducing Bacteria	100
ARIZONA STATE UNIVERSITY Tempe, AZ	DE-FG02-10ER46732 06/30/2013 Treacy	SC-22.21	Structural Studies of Amorphous Materials by Fluctuation Electron Microscopy	215
ARIZONA STATE UNIVERSITY Tempe, AZ	DE-FG02-10ER46764 07/14/2013 Crozier	SC-22.21	Development and Application of In Situ Nanocharacterization to Photocatalytic Materials for Solar Fuel Generation	145
ARIZONA STATE UNIVERSITY Tempe, AZ	DE-FG02-11ER41744 04/30/2014 Comfort	SC-25	Search for New Physics in Neutral Kaon Decays	65
ARIZONA STATE UNIVERSITY Tempe, AZ	DE-FG02-01ER45943 06/14/2012 Tao	SC-22.22	Electron Transport and Energy Conversion in Single Molecule Devices	85
ARIZONA STATE UNIVERSITY Tempe, AZ	DE-FG02-02ER45996 06/30/2012 Spence	SC-22.21	Quantitative Electron Nanodiffraction	150
ARIZONA STATE UNIVERSITY Tempe, AZ	DE-FG02-04ER46168 05/31/2014 McCartney	SC-22.21	Nanoscale Imaging of Electrostatic and Magnetic Fields	140
ARIZONA STATE UNIVERSITY Tempe, AZ	DE-FG02-06ER46345 08/14/2012 Drucker	SC-22.23	Science of Nanowire Epitaxy	65
ARIZONA STATE UNIVERSITY Tempe, AZ	DE-FG02-11ER65162 05/14/2012 Gurney	SC-23.1	Impacts of High Resolution Extreme Events on US Energy Demand and CO2 Emissions in the 21st Century	51

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2011
ARIZONA, UNIVERSITY OF Tucson, AZ	DE-FG02-11ER65160 08/31/2015 Zeng	SC-23.1	Collaborative Proposal: Improving Decadal Prediction of Arctic Climate Variability and Change Using a Regional Arctic System Model (RASM)	185
ARIZONA, UNIVERSITY OF Tucson, AZ	DE-FG02-11ER65315 09/14/2014 Saleska	SC-23.1	Partitioning CO2 Fluxes with Isotopologue Measurements and Modeling to Understand Mechanisms of Forest Carbon Sequestration	87
ARIZONA, UNIVERSITY OF Tucson, AZ	DE-FG02-11ER65368 09/14/2014 Chorover	SC-23.1	Uranium and Strontium Fate in Waste-Weathered Sediments: Scaling of Molecular Processes to Predict Reactive Transport	126
ARIZONA, UNIVERSITY OF Tucson, AZ	DE-FG02-11ER65344 09/14/2014 Zeng	SC-23.1	Collaborative Project: Development of Hybrid 3-D Hydrological Modeling for the NCAR Community Earth System Model (CESM)	256
ARIZONA, UNIVERSITY OF Tucson, AZ	DE-FG02-09ER46559 02/28/2013 Zhang	SC-22.22	Theoretical Investigation of Magnetization Dynamics at Elevated Temperatures	80
ARIZONA, UNIVERSITY OF Tucson, AZ	DE-FG02-09ER64838 08/14/2012 Dominguez	SC-23.1	Hydrologic Extremes in a Changing Climate: How Much Information can Regional Climate Models Provide?	0
ARIZONA, UNIVERSITY OF Tucson, AZ	DE-FG02-08ER64616 08/14/2012 Chorover	SC-23.1	Release of Aged Contaminants from Weathered Sediments: Effects of Sorbate Speciation on Scaling of Reactive Transport	0
ARIZONA, UNIVERSITY OF Tucson, AZ	DE-FG02-11ER46833 08/31/2014 Stafford	SC-22.22	Many-Body Theory of Energy Transport and Conversion at the Nanoscale	100
ARIZONA, UNIVERSITY OF Tucson, AZ	DE-FG02-04ER15616 08/31/2012 Schumaker	SC-22.13	Calcium-mediated regulation of proton-coupled sodium transport	155
ARIZONA, UNIVERSITY OF Tucson, AZ	DE-FG02-05ER15753 08/31/2014 Armstrong	SC-22.13	"Electronically Wired" Semiconductor Nanoparticles: Toward Vectoral Electron Transport in Hybrid Materials	250
ARIZONA, UNIVERSITY OF Tucson, AZ	DE-FG02-11ER16278 11/30/2014 Schaap	SC-22.12	A Detailed Study of the Physical Mechanisms Controlling CO2-Brine Capillary Trapping in the Subsurface	123
ARIZONA, UNIVERSITY OF Tucson, AZ	DE-FG02-96ER20242 03/31/2012 Larkins	SC-22.13	Molecular Genetic Studies of Genes Influencing Maize Endosperm Development	0
ARIZONA, UNIVERSITY OF Tucson, AZ	DE-FG02-04ER41298 01/31/2013 Rutherford, Sarcevic, Toussaint	SC-25	University of Arizona High Energy Physics Program	1,085
ARIZONA, UNIVERSITY OF Tucson, AZ	DE-FG02-04ER41318 03/31/2013 Rafelski	SC-26.1	Research in Theoretical High Energy Nuclear Physics at the University of Arizona	145
ARIZONA, UNIVERSITY OF Tucson, AZ	DE-FG02-04ER41319 03/31/2013 Sarcevic	SC-26.1	Research in Theoretical Nuclear and Neutrino Physics	58

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ARIZONA, UNIVERSITY OF Tucson, AZ	DE-FG02-04ER41338 07/31/2013 Van Kolck	SC-26.1	Effective Theories of the Strong Interaction	255
ARIZONA, UNIVERSITY OF Tucson, AZ	DE-FC02-06ER41439 09/14/2012 Toussaint	SC-25	SciDAC - National Computational Infrastructure for Lattice Gauge Theory	56
NORTHERN ARIZONA UNIVERSITY Flagstaff, AZ	DE-FC02-06ER64159 11/30/2012 Hungate	SC-23.1	Western Regional Center of the National Institute for Climatic Change Research	0
Total for AZ :				5,212

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2011
TURE, U.S. DEPT. OF, ARS-WRRC Albany, CA	DE-AI02-09ER64830 08/31/2012 Vogel	SC-23.2	Phenomic Analysis of Natural and Induced Variation in Brachypodium Distachyon	402
TURE, U.S. DEPT. OF, ARS-WRRC Albany, CA	DE-AI02-07ER64452 02/28/2014 Vogel	SC-23.2	Insertional Mutagenesis of Brachypodium Distachyon	352
TURE, U.S. DEPT. OF, ARS-WRRC Albany, CA	DE-AI02-08ER15962 06/30/2014 Hake	SC-22.13	Using the Corngrass1 Gene to Enhance the Biofuel Properties of Crop Plants	166
TURE, U.S. DEPT. OF, ARS-WRRC Albany, CA	DE-AI02-97ER20268 04/30/2013 Salvucci	SC-22.13	Optimizing Rubisco Regulation for Increased Photosynthetic Performance under Climate Change	127
RE, U.S. DEPT. OF, FS-BERKELEY Berkeley, CA	DE-AI02-11ER65364 09/14/2014 Groover	SC-23.2	Creation and High-Precision Characterization of Novel Biomass Germplasm	202
INSTITUTE FOR MEDICAL RESEARCH La Jolla, CA	DE-FG02-10ER65026 08/14/2013 Rodionov	SC-23.2	Integrated Approach to Reconstruction of Regulatory Networks	211
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FG02-99ER45766 08/14/2014 Eisenstein	SC-22.22	Quantum Electronic Matter in Two Dimensions	174
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FG02-11ER41735 07/14/2016 Patterson	SC-25	Developing Novel Techniques for Readout, Calibration and Event Selection in the NOVA Long-Baseline Neutrino Experiment	167
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FG02-11ER41740 07/14/2016 Hirata	SC-25	Cosmological Probes of Fundamental Physics	150
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FG02-04ER46175 01/14/2014 Heath	SC-22.23	Quantum Dot and Quantum Wire Solids	165
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FG02-03ER46055 07/14/2012 Fultz	SC-22.21	Vibrational Thermodynamics of Materials	152
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FG02-09ER46573 07/31/2014 Atwater	SC-22.13	Light-Material Interactions in Energy Conversion -- EFRFC	2,089
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FG02-07ER46405 08/31/2013 Atwater	SC-22.22	Plasmonic Photovoltaics	150
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FG02-11ER46807 07/14/2016 Greer	SC-22.22	Investigation of Radiation Damage Tolerance in Interface-Containing Metallic Nano Structures	150
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FC02-05ER54849 01/14/2012 Cummings	SC-24.2	SciDAC - Center for Plasma Edge Simulation	110

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands)
				FY 2011
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FG02-09ER55021 07/14/2012 Bellan	SC-24.2	Non-Equilibrium Magnetohydrodynamic Behavior of Plasmas Having Complex, Evolving Morphology	190
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FG02-04ER54755 01/31/2014 Bellan	SC-24.2	Enhancing Fundamental Understanding of Magnetic Confinement in the Presence of Flows, Non-Conservative Forces, Dynamics, Collisions, Relaxation, and Kinetic...	357
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FG02-08ER15933 03/14/2012 Grubbs	SC-22.12	The Generation of Efficient Supported (Heterogeneous) Olefin Metathesis Catalysts	0
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FG02-92ER40701 10/31/2013 Wise, Hitlin	SC-25	High Energy Physics	4,284
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FG02-88ER40397 12/31/2011 McKeown	SC-26.1	Study of Nuclei and Elementary Particles at Low and Intermediate Energies	0
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FG02-09ER41601 06/30/2012 Ellis	SC-25	Understanding the Fundamental Properties of Dark Matter & Dark Energy in Structure Formation and Cosmology	100
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FG02-08ER41559 12/31/2011 Newman	SC-25	US LHCNet:Transatlantic Networking for the LHC & the US HEP Community; EVO: A Global-Scale Networked Infrastructure for	1,900
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FG02-05ER15754 05/31/2012 Lewis	SC-22.13	Fundamental Optical, Electrical, and Photoelectrochemical Properties of Catalyst-Bound Silicon Microwire Array Photocathodes for Sunlight-Driven Hydrogen	120
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FG02-06ER15762 11/30/2011 Arnold	SC-22.12	Structural and Kinetic Studies of Novel Cytochrome P450 Small-Alkane Hydroxylases	160
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FG02-09ER16107 03/14/2013 Bellan	SC-22.11	SISGR - Modeling Reactions in High-Pressure Turbulence in the Cold Ignition Regime	0
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FG02-11ER16247 11/01/2014 Miller	SC-22.11	Path Integral and Embedded Density Functional Theory Methods for Understanding Coupled Electronic and	115
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FC02-10ER16207 09/14/2015 Lewis	SC-22.13	Joint Center for Artificial Photosynthesis (JCAP)	11,650
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FG02-11ER16230 07/14/2016 Blanquart	SC-22.11	Towards Predictive Simulations of Soot Formation: From Surrogate to Turbulence	159
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FG02-06ER25725 03/31/2014 Hou	SC-21.1	Multiscale Analysis and Computation for Flows in Heterogeneous Media	97
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FG02-03ER15483 02/14/2013 Lewis	SC-22.13	Development of Inexpensive, Abundant Semiconductors for Solar Energy Conversion: Photoelectrochemistry of	190

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands)
				FY 2011
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FG02-97ER14814 11/14/2013 McKoy	SC-22.11	Electron-Driven Processes in Polyatomic Molecules	135
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FG02-85ER13431 11/30/2012 Bercau	SC-22.12	Synthetic and Mechanistic Investigation of Olefin Polymerization Catalyzed by Early Transition Metal Compounds	185
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FG02-88ER13873 03/20/2012 Meyerowitz	SC-22.13	Regulation of Plant Cells, Cell Walls, and Development by Mechanical Signals	210
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FG02-11ER65184 08/14/2014 Seinfeld	SC-23.1	Organic Aerosol Formation: Laboratory Studies to Guide the Development of Comprehensive Formation Mechanisms and	390
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FG02-10ER64997 07/14/2013 Orphan	SC-23.2	Syntrophic Interactions and Mechanisms Underpinning Anaerobic Methane Oxidation: Targeted Metaproteogenomics, Single-Cell Protein Detection and Quantitative...	529
T. UNIV. DOMINGUEZ HILLS FNDDN Carson, CA	DE-FG02-07ER41525 04/30/2012 Price	SC-26.1	Photoproduction of the Cascade Hyperons With the CLAS Detector at Jefferson Laboratory	58
CALIFORNIA ST. UNIV. FULLERTON Fullerton, CA	DE-FG02-04ER15597 01/31/2015 Feagin	SC-22.11	Reaction Imaging and the Molecular Coulomb Continuum	96
CALIFORNIA ST. UNIV. L. BEACH Long Beach, CA	DE-FG02-10ER41693 08/14/2013 Rajpoot	SC-25	Studies in Gravity, Supersymmetry, Supergravity and Extended Objects	40
CALIFORNIA ST. UNIV. N. RIDGE Northridge, CA	DE-FG02-06ER46305 01/31/2013 Sheng	SC-22.22	Novel Charge and Spin Fractional Quantum Hall Effects and New Emerging Quantum Phases in Interacting and Spin-Orbit Coupling Electronic Materials	110
ALIFORNIA ST. UNIV. SAN MARCOS San Marcos, CA	DE-FG02-11ER55096 07/31/2014 Burin	SC-24.2	RUI: Structure and Behavior of RF-Driven Plasma Filaments in High Pressure Gases	60
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-09ER46594 05/31/2013 Schaffer	SC-22.23	Engineering the Interface Between Inorganic Materials and Cells	185
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-07ER64390 03/14/2012 Coates	SC-23.1	Anaerobic, Bio-Oxidation of Uraninite (U(IV))	0
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-07ER64436 07/14/2012 Fung	SC-23.1	Carbon Data Assimilation With a Coupled Ensemble Kalman Filter	0
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-06ER64308 02/28/2011 Baldocchi	SC-23.1	Quantifying & Understanding Interannual Variability of Carbon, Water, and Energy Exchange of an Oak Savanna & an Annual	0
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-08ER64555 08/31/2012 Firestone	SC-23.1	Trajectories of Microbial Community Function in Response to Accelerated Remediation of Subsurface Metal Contaminants	0

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2011
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-08ER64588 07/31/2012 Chiang	SC-23.1	The Interhemispheric Pattern in 20th Century and Future Abrupt Change in Regional Tropical Rainfall	0
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-10ER55078 07/14/2013 Graves	SC-24.2	Collaborative Proposal: Fundamental Science of Low Temperature Plasma-Biological Material Interactions	90
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-06ER54904 07/31/2012 Fajans	SC-24.2	Collaborative Research: Experimental and Theoretical Study of the Plasma Physics of Antihydrogen Generation and Trapping	360
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-11ER46796 07/14/2016 Wu	SC-22.22	Functional Domain Walls as Active Elements for Energy Technology	157
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-10ER41688 06/30/2013 Haxton	SC-26.1	Nuclear Physics and Astrophysics Theory at UC Berkeley	185
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-04ER41289 09/14/2012 Wurtele	SC-25	Advanced Accelerator Concepts	264
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-04ER41304 12/14/2012 Crawford	SC-26.1	Investigation of Nuclear Partonic Structure	348
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FC02-06ER41453 09/14/2012 Kasen, McKee	SC-25	SciDAC: Supernovae, Gamma Ray Bursts, and Nucleosynthesis	90
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-00ER41138 02/29/2012 Freedman	SC-26.1	US Participation in the KamLAND Experiment	295
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FC02-07ER25799 11/14/2012 Yelick	SC-21.1	Center for Scalable Application Development Software	135
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FC02-10ER25999 08/31/2013 Bodik	SC-21.1	Software Synthesis for High Productivity Exascale Computing	462
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-10ER25986 08/31/2013 Demmel	SC-21.1	Matrix Algebra for GPU and Multicore Architectures (MAGMA) for Large Petascale Systems	150
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-10ER25970 03/14/2013 Demmel	SC-21.1	Architecture-Aware Algorithms for Scalable Performance and Resilience on Heterogeneous Architectures	160
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-05ER15637 01/31/2013 Wenk	SC-22.12	Anisotropy and Residual Stresses in Sedimentary Rocks: A Synchrotron and Neutron Diffraction Study	119
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-05ER15696 08/14/2014 Katz	SC-22.12	Controlling Heterogeneous Catalysts Selectivity Using Grafted Metallocalixarene Active Sites	150

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CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-87ER13742 06/30/2013 Quail	SC-22.13	Phytochrome from Green Plants: Properties and Biological Function	160
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-11ER16274 08/31/2014 Luan	SC-22.13	Immunophilins in the Assembly and Maintenance of Photosynthetic Complexes	155
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-11ER16231 07/14/2016 Savage	SC-22.13	Engineering self-assembled bioreactors from protein microcompartments	159
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-09ER16008 02/14/2012 Somerville	SC-22.13	Regulation of Cellulose Synthesis	0
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-09ER16034 07/31/2014 Smit	SC-22.21	Center for Gas Separations Relevant to Clean Energy Technologies -- EFRC	1,430
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-10ER64996 07/14/2013 Banfield	SC-23.2	Development and Integration of Genome-Enabled Techniques to Track and Predict the Cycling of Carbon in Model	542
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-10ER65009 07/31/2013 Banfield	SC-23.1	3D Reconstruction of Biological Organization and Mineralization in Sediment Attached Biofilms During Uranium Bioremediation	121
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-10ER65027 08/14/2013 Sjolander	SC-23.2	Phylogenomic Tools and Web Resources for the Systems Biology Knowledgebase	466
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-10ER65088 09/14/2013 Baldocchi	SC-23.1	Using a Regional Cluster of AmeriFlux Sites in Central California to Advance Our Knowledge on Decadal-Scale Ecosystem-Atmosphere Carbon Dioxide	346
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-10ER64989 06/30/2013 Firestone	SC-23.2	Plant Stimulation of Soil Microbial Community Succession: How Sequential Expression Mediates Soil Carbon	551
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-11ER65217 08/31/2014 Fung	SC-23.1	Predictability of the Carbon-Climate System on Seasonal to Decadal Time Scales	540
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-09ER64867 08/14/2012 Fung	SC-23.1	Modeling Diurnal Variations of California Land Biosphere CO2 Fluxes	0
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-09ER64871 09/14/2012 Qi	SC-23.2	A Simultaneous PET and Fluorescence Optical Tomography Imaging System for Small Animals	0
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-09ER64889 09/14/2012 Louie	SC-23.2	Multimodal Nanomaterials for PET/MRI Optical Imaging	0
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-11ER65211 08/14/2014 Comai	SC-23.2	Creation and High-Precision Characterization of Novel Poplar Biomass Germplasm	525

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CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-11ER65293 09/14/2014 Zhang	SC-23.1	Characterizing Organic Aerosol Processes and Climatically Relevant Properties via Advanced and Integrated Analysis of	166
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-08ER15963 06/30/2014 Inoue	SC-22.13	Thylakoid Biogenesis: Significance of Protein Maturation and Mechanism of Protein Targeting	167
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-09ER16077 08/31/2014 Callis	SC-22.13	Investigations into Proteins Affecting Chloroplast Function	145
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-09ER16117 09/14/2012 Lagarias	SC-22.13	SISGR: Photoreceptor Regulation and Optimization of Energy Harvesting in Nostoc Punctiforme	1,000
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-11ER16219 02/28/2014 Gates	SC-22.12	Dispersed Metal Cluster Catalysts by Design: Synthesis, Characterization, Structure and Performance	300
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-11ER16249 08/31/2014 McCurdy	SC-22.11	Ultrafast Processes in Atoms and Molecules : Integrated Treatment of Electronic and Nuclear Motion in Ultrashort XUV Pulses	256
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-11ER16282 08/31/2014 Britt	SC-22.13	Multi-Frequency Pulsed EPR Studies of the Photosystem II Oxygen Evolving Complex	180
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-02ER15306 05/31/2014 Ng	SC-22.11	Determination of Accurate Energetic and Spectroscopic Database for Combustion Radicals and Molecules by High Resolution Photoion-Photoelectron Methods	116
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-02ER15315 10/31/2014 Orel	SC-22.11	Electron-Driven Excitation and Dissociation of Molecules	95
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-97ER14749 05/31/2015 Navrotsky	SC-22.12	Thermodynamics of Minerals Stable Near the Earth's Surface	246
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-05ER15693 11/30/2012 Casey	SC-22.12	Adding Reactivity to Structure-- -Oxygen-Isotope Exchanges at Structural Sites in Nanometer-Size Aqueous Clusters	148
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-03ER15405 06/30/2012 Theg	SC-22.13	Energetics and Mechanisms of Protein Transport Across Chloroplast Membranes	80
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-04ER15568 11/14/2013 Rundle	SC-22.12	Statistical Mechanics of Defect-Mediated Dynamics in Complex Geomaterials	175
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-05ER15667 08/14/2014 Navrotsky	SC-22.12	Energetics of Nanomaterials	220
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-04ER15513 02/14/2013 Gates	SC-22.12	Tailoring Supports as Ligands: Zeolites and Oxides as Hosts of Molecular Metal-Complex Catalysts	180

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CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-09ER25910 08/31/2012 Mukherjee	SC-21.1	Dynamic Provisioning for Terascale Science Applications using Hybrid Circuit/Package Technologies and 100G Transmission Systems	175
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FC02-06ER25793 09/14/2012 Bai	SC-21.1	Next Generation Multi-Scale Quantum Simulation Software for Strongly Correlated Materials	0
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FC02-06ER25794 12/14/2012 Galli	SC-21.1	Institute for Quantum Simulations of Materials and Nanostructures	0
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FC02-06ER25777 12/14/2012 Ma	SC-21.1	SciDAC Institute for Ultra-Scale Visualization	898
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FC02-06ER25780 07/01/2012 Joy	SC-21.1	Visualization and Analytics Center for Enabling Technologies (VACET)	298
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FC02-07ER25811 11/14/2012 Ludaescher	SC-21.1	Scientific Data Management Center for Enabling Technologies (CET)	193
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-09ER25878 08/14/2012 Miller	SC-21.1	Modeling and Algorithmic Approaches to Constitutively-Complex Microstructured Fluids	133
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FC02-10ER26039 08/31/2013 Ma	SC-21.1	Pervasive Parallel Processing Framework for Data Visualization and Analysis at Extreme Scale	308
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-91ER40674 12/31/2012 Ko	SC-25	High Energy Particle Physics Research	2,196
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-03ER41280 08/31/2012 Pellett	SC-25	Radiation Damage Studies of Materials and Electronic Devices Using Hadrons	0
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-10ER41696 08/31/2013 Tripathi	SC-25	Development of Interconnect Technologies for Particle Detectors	48
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-99ER54518 02/29/2012 Luhmann	SC-24.2	Millimeter-Wave Density Fluctuation Diagnostics for NSTX	330
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-03ER54732 02/28/2014 Hwang	SC-24.2	Multiple Applications of Accelerated Compact Toroids in Magnetic Fusion Devices	349
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-10ER55083 05/31/2012 Hwang	SC-24.2	Formation of Dense Magnetized Plasmas via Laser Generated Beat Wave Current Drive	305
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-07ER64481 02/29/2012 Bennett	SC-23.2	Intellectual Property and U.S. Public Investments in Research on Biofuel Technologies	0

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CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-08ER64530 04/14/2012 Wexler	SC-23.1	Process Models of the Equilibrium Size & State of Organic/Inorganic Aerosols for the Development of Large Scale Atmospheric	0
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-09ER64821 08/31/2013 Sutcliffe	SC-23.2	CARE California Alliance for Radiotracer Education	1,163
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-09ER64832 08/31/2012 Zhang	SC-23.1	Integrated Analyses of Multiple Worldwide Aerosol Mass Spectrometer Datasets for Improved Understanding of Aerosol Sources	0
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-09ER64785 06/30/2012 Rocke	SC-23.2	Inter-Individual Variability in Human Response to Low-Dose Ionizing Radiation	380
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-99ER54531 12/14/2012 Luhmann	SC-24.2	Innovative Diagnostic Developments for Turbulence and Transport Measurement and Visualization	695
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-07ER46475 08/14/2013 Power	SC-22.23	Activation of Hydrogen Under Ambient Conditions and Unusual Element Hydride Reactivity by Main Group Molecules	170
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-11ER46795 07/14/2016 Castro	SC-22.22	Energetics of Radiation Tolerant Nanoceramics	152
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-06ER46262 11/14/2012 Galli	SC-22.22	Semiconductor Nanostructures by Scientific Design	235
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-06ER46340 08/14/2012 Kuhl	SC-22.21	Structure-Property Relationships of Polymer Brushes in Restricted Geometries and their Utilization as Ultra-Low	0
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-03ER46053 06/30/2012 Navrotsky	SC-22.23	Thermochemistry of Anion Defect and Charge Coupled Substitutions in Fluorite and Perovskite-Based Materials	200
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-03ER46057 06/14/2013 Browning	SC-22.21	Materials Properties at Interfaces in Nanostructured Materials: Fundamental Atomic Scale Issues	160
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-04ER46111 01/31/2013 Pickett	SC-22.22	Theory of Oxide Nanostructures: Polarity, Dimensionality, and Strong Interactions	110
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-04ER46173 07/31/2013 Parikh	SC-22.23	Dynamical Self-Assembly: Structure-Dynamics-Function Relations in Heterogenous Lipid Membranes	327
CALIFORNIA, UNIV. OF IRVINE Irvine, CA	DE-FG02-04ER46174 08/31/2013 Chernyshev	SC-22.22	Spin-Mediated Energy Transport and Dynamics in Quantum Magnets	110
CALIFORNIA, UNIV. OF IRVINE Irvine, CA	DE-FG02-04ER46162 02/28/2014 Guan	SC-22.23	Bioinspired Hydrogen Bonding-Mediated Assembly of Nano-Objects toward Adaptive and Dynamic Materials	154

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CALIFORNIA, UNIV. OF IRVINE Irvine, CA	DE-FG02-05ER46237 08/31/2014 Wu	SC-22.22	First Principles Investigation for Magnetic Properties of Innovative Materials	95
CALIFORNIA, UNIV. OF IRVINE Irvine, CA	DE-FG02-84ER45083 01/31/2014 Mills	SC-22.22	Theory of Spin Dynamics in Nanoscale and Subnanoscale Magnetic Structures	105
CALIFORNIA, UNIV. OF IRVINE Irvine, CA	DE-FG02-96ER45576 04/14/2014 Hemminger	SC-22.23	Optical Spectroscopy and Scanning Tunneling Microscopy Studies of Molecular Adsorbates and Anisotropic Ultrathin Films	162
CALIFORNIA, UNIV. OF IRVINE Irvine, CA	DE-FG02-08ER46496 04/30/2014 Burke	SC-22.22	Fundamental Theory of Electronic Structure in the Nanoregime: Transport Through Single Molecules	105
CALIFORNIA, UNIV. OF IRVINE Irvine, CA	DE-FG02-05ER64021 04/30/2013 Goulden	SC-23.1	Physiological, Demographic, Competitive and Biogeochemical Controls on the Response of California's Ecosystems to Environmental Change	384
CALIFORNIA, UNIV. OF IRVINE Irvine, CA	DE-FC02-08ER54976 02/14/2016 Lin	SC-24.2	Gyrokinetic Simulation of Energetic Particle Turbulence and Transport	200
CALIFORNIA, UNIV. OF IRVINE Irvine, CA	DE-FG02-09ER64798 07/14/2012 Limoli	SC-23.2	Neurodegeneration and Adaptation in Response to Low-Dose Photon Irradiation	589
CALIFORNIA, UNIV. OF IRVINE Irvine, CA	DE-FG02-08ER64695 03/14/2013 Detwiler	SC-23.1	Scale-Dependent Fracture-Matrix Interactions and their Impact on Radionuclide Transport	0
CALIFORNIA, UNIV. OF IRVINE Irvine, CA	DE-FG02-09ER64762 06/14/2012 Gerber	SC-23.2	From Vibrational Spectroscopy to Force Fields and Structures of Saccharides: New Computational Algorithms and Applications	284
CALIFORNIA, UNIV. OF IRVINE Irvine, CA	DE-FG02-09ER55044 08/14/2012 Lin	SC-24.2	Gyrokinetic Particle Simulation of Compressible Electromagnetic Turbulence in High-B Plasmas	110
CALIFORNIA, UNIV. OF IRVINE Irvine, CA	DE-FG02-07ER54916 12/31/2012 Lin	SC-24.2	Multiple-Time-Scale Gyrokinetic Particle Simulation with Collisions	99
CALIFORNIA, UNIV. OF IRVINE Irvine, CA	DE-FG02-04ER54736 12/14/2012 Chen	SC-24.2	Theoretical Studies of Drift-Alfven and Energetic-Particle Physics	140
CALIFORNIA, UNIV. OF IRVINE Irvine, CA	DE-FG02-03ER54720 08/14/2012 Heidbrink	SC-24.2	Fast-Ion Studies in the Large Plasma Devices	148
CALIFORNIA, UNIV. OF IRVINE Irvine, CA	DE-FG02-06ER54867 04/14/2012 Heidbrink	SC-24.2	Fast-Ion D-Alpha Diagnostic for NSTX	128
CALIFORNIA, UNIV. OF IRVINE Irvine, CA	DE-FC02-06ER54860 01/14/2012 Lin	SC-24.2	SciDAC - Center for Plasma Edge Simulation	70

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CALIFORNIA, UNIV. OF IRVINE Irvine, CA	DE-FG02-02ER54681 08/14/2014 Heidbrink	SC-24.2	Beam Ion Studies in NSTX	135
CALIFORNIA, UNIV. OF IRVINE Irvine, CA	DE-FG02-91ER40679 01/31/2013 Sobel	SC-25	A Research Program in Neutrino Physics, Cosmic Rays, and Elementary Particles	2,519
CALIFORNIA, UNIV. OF IRVINE Irvine, CA	DE-FG02-06ER15826 03/31/2013 Ho	SC-22.11	Single-Molecule Interfacial Electron Transfer	150
CALIFORNIA, UNIV. OF IRVINE Irvine, CA	DE-FG02-04ER15571 12/31/2013 Mukamel	SC-22.11	Theory and Simulation of Nonlinear X-Ray Spectroscopy of Molecules	216
CALIFORNIA, UNIV. OF IRVINE Irvine, CA	DE-FG02-04ER15595 02/28/2013 Ho	SC-22.11	Spectroscopic Imaging Toward Space-Time Limit	175
CALIFORNIA, UNIV. OF IRVINE Irvine, CA	DE-FG02-86ER13514 06/14/2013 Evans	SC-22.12	Advancing Chemistry with the Lanthanide and Actinide Elements	125
CALIFORNIA, UNIV. OF IRVINE Irvine, CA	DE-FG02-86ER13525 05/31/2014 Lanyi	SC-22.13	Membrane Bioenergetics of Salt Tolerant Organisms	185
CALIFORNIA, UNIV. OF IRVINE Irvine, CA	DE-FG02-09ER16003 01/31/2013 Detwiler	SC-22.12	Multiphase Fluid Flow in Deformable Variable-Aperture Fractures	183
CALIFORNIA, UNIV. OF IRVINE Irvine, CA	DE-FG02-08ER15994 08/14/2014 Blum	SC-22.12	Single-Molecule Fluorescence Imaging for Studying Organic, Organometallic, and Inorganic Reaction Mechanisms	140
CALIFORNIA, UNIV. OF IRVINE Irvine, CA	DE-FG02-11ER65305 09/14/2014 Prather	SC-23.1	Interactive Photochemistry in Earth System Models to Assess Uncertainty in Ozone and Greenhouse Gases	200
CALIFORNIA, UNIV. OF IRVINE Irvine, CA	DE-FG02-11ER65273 08/31/2014 Smyth	SC-23.1	Collaborative Research: Decadal Prediction and Stochastic Simulation of Hydroclimate Over Monsoonal Asia	120
CALIFORNIA, UNIV. OF IRVINE Irvine, CA	DE-FG02-11ER65208 08/31/2014 Finlayson-Pitts	SC-23.1	Laboratory Studies of the Role of Amines in Particles Formation, Growth and Climate	400
CALIFORNIA, UNIV. OF IRVINE Irvine, CA	DE-FG02-10ER64995 06/30/2013 Allison	SC-23.2	Can Microbial Functional Traits Predict the Response and Resilience of Decomposition to Global Change?	785
CALIFORNIA, UNIV. OF IRVINE Irvine, CA	DE-FG02-11ER65358 09/14/2014 Primeau	SC-23.1	Collaborative Project: Improving CESM Efficiency to Study Variable C:N:P Stoichiometry in the Oceans	220
LIFORNIA, UNIV. OF LOS ANGELES Los Angeles, CA	DE-FG02-11ER65346 09/14/2014 Liou	SC-23.1	Collaborative Project: 3D Radiative Transfer Parameterization Over Mountains/Snow for High-Resolution Climate	250

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LIFORNIA, UNIV. OF LOS ANGELES Los Angeles, CA	DE-FG02-11ER65254 08/31/2014 Liao	SC-23.2	Dynamic Metabolic Model Building Based on Ensemble Modeling Approach	750
LIFORNIA, UNIV. OF LOS ANGELES Los Angeles, CA	DE-FG02-11ER65275 08/31/2014 Ghil	SC-23.1	Collaborative Research: Decadal Prediction and Stochastic Simulation of Hydroclimate Over Monsoonal Asia	120
LIFORNIA, UNIV. OF LOS ANGELES Los Angeles, CA	DE-FG02-11ER65278 09/14/2014 Neelin	SC-23.1	Collaborative Project: Sensitivity of Atmospheric Parametric Formulations to Regional Mesh Refinement in Global Climate Simulations Using CESM-HOMME	311
LIFORNIA, UNIV. OF LOS ANGELES Los Angeles, CA	DE-FG02-10ER16136 03/31/2013 Kavner	SC-22.12	Stable-Isotope Probe of Nano-Scale Mineral-Fluid Redox Interactions	171
LIFORNIA, UNIV. OF LOS ANGELES Los Angeles, CA	DE-FG02-10ER16192 08/31/2013 Weiss	SC-22.12	DC to Daylight: Local Spectroscopies for Subnanometer Spatial Resolution Chemical Imaging	264
LIFORNIA, UNIV. OF LOS ANGELES Los Angeles, CA	DE-FG02-05ER25710 08/31/2012 Caflisch	SC-21.1	Multiscale Mathematics for Plasma Kinetics Spanning Multiple Collisionality Regimes	214
LIFORNIA, UNIV. OF LOS ANGELES Los Angeles, CA	DE-FG02-11ER16263 08/14/2013 Young	SC-22.12	Development of Tandem, Double-Focusing, Electron Impact, Gas Source Mass Spectrometer for Measurement of Rare Doubly-Substituted Isotopologues in	400
LIFORNIA, UNIV. OF LOS ANGELES Los Angeles, CA	DE-FG02-08ER15935 01/31/2012 Yaghi	SC-22.12	Metal-Organic and Zeolite Imidazolate Frameworks (MOFs and ZIFs) for Highly Selective Separations	0
LIFORNIA, UNIV. OF LOS ANGELES Los Angeles, CA	DE-FG02-08ER15948 05/31/2013 Diaconescu	SC-22.12	Uranium Complexes for the C-H Activation of Hydrocarbons	270
LIFORNIA, UNIV. OF LOS ANGELES Los Angeles, CA	DE-FC02-06ER25797 09/14/2012 Zhong	SC-21.1	Simulations of Turbulent Flows With Strong Shocks and Density Variations	0
LIFORNIA, UNIV. OF LOS ANGELES Los Angeles, CA	DE-FG02-91ER40662 01/14/2013 Cousins	SC-25	Experimental and Theoretical High Energy Physics	2,273
LIFORNIA, UNIV. OF LOS ANGELES Los Angeles, CA	DE-FG02-92ER40693 10/31/2012 Rosenzweig, Pellegrini	SC-25	Theoretical and Experimental Studies in Accelerator Physics	915
LIFORNIA, UNIV. OF LOS ANGELES Los Angeles, CA	DE-FG02-92ER40695 04/30/2012 Cline	SC-25	Advanced Accelerator Physics Research at UCLA	382
LIFORNIA, UNIV. OF LOS ANGELES Los Angeles, CA	DE-FG02-92ER40727 05/31/2013 Joshi, Mori	SC-25	Experimental, Theoretical and Computational Studies of Plasma-Based Concepts for Future High Energy	1,340
LIFORNIA, UNIV. OF LOS ANGELES Los Angeles, CA	DE-FG02-88ER40424 01/31/2015 Huang	SC-26.1	UCLA Relativistic Heavy Ion Physics	1,219

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LIFORNIA, UNIV. OF LOS ANGELES Los Angeles, CA	DE-FC02-07ER41500 08/31/2012 Mori	SC-25	Community Petascale Project for Accelerator Science and Simulation	203
LIFORNIA, UNIV. OF LOS ANGELES Los Angeles, CA	DE-FG02-99ER54527 02/29/2012 Peebles	SC-24.2	Cross-Cutting Research Studies on the National Spherical Torus Experiment	330
LIFORNIA, UNIV. OF LOS ANGELES Los Angeles, CA	DE-FG02-86ER52123 11/30/2013 Abdou	SC-24.2	Predictive Capabilities, Analysis and Experiments for Fusion Plasma Chamber Systems Research	2,090
LIFORNIA, UNIV. OF LOS ANGELES Los Angeles, CA	DE-FG02-03ER54708 11/14/2012 Ghoniem	SC-24.2	Multiscale Modeling of Deformation, Fracture, and Failure of Fusion Materials and Structures	439
LIFORNIA, UNIV. OF LOS ANGELES Los Angeles, CA	DE-FC02-07ER54918 03/31/2013 Gekelman	SC-24.2	Basic Plasma Science Facility	1,900
LIFORNIA, UNIV. OF LOS ANGELES Los Angeles, CA	DE-FG02-06ER54906 07/31/2012 Niemann	SC-24.2	Laser-Driven Collisionless Shocks in the Large Plasma Device	160
LIFORNIA, UNIV. OF LOS ANGELES Los Angeles, CA	DE-FG02-09ER55061 08/14/2012 Vincena	SC-24.2	Axial Plasma Jets and Their Interaction with and Production of Alfvén Waves	120
LIFORNIA, UNIV. OF LOS ANGELES Los Angeles, CA	DE-FG02-09ER64824 08/31/2013 Phelps	SC-23.2	Microfluidic Technology Platforms for Synthesizing, Labeling and Measuring the Kinetics of Transport and Biochemical Reactions, for Developing Molecular...	1,199
LIFORNIA, UNIV. OF LOS ANGELES Los Angeles, CA	DE-FG02-09ER64899 09/14/2014 Li	SC-23.1	Continuous Evaluation of Fast Processes in Climate Models Using ARM Measurements	100
LIFORNIA, UNIV. OF LOS ANGELES Los Angeles, CA	DE-FG02-08ER64689 08/31/2012 Gunsalus	SC-23.2	Novel Hydrogen Production Systems Operative at Thermodynamic Extremes	0
LIFORNIA, UNIV. OF LOS ANGELES Los Angeles, CA	DE-FG02-08ER54984 12/31/2012 Rhodes	SC-24.2	Integrated System for Measurement of Multi-Scale Turbulence, Zonal Flows, and Particle Flux	440
LIFORNIA, UNIV. OF LOS ANGELES Los Angeles, CA	DE-FC02-02ER63421 12/31/2014 Eisenberg	SC-23.2	UCLA-DOE Institute for Genomics and Proteomics	2,000
LIFORNIA, UNIV. OF LOS ANGELES Los Angeles, CA	DE-FG02-10ER55082 07/14/2013 Morales	SC-24.2	Basic Studies of Non-Diffusive Transport in Plasmas	100
LIFORNIA, UNIV. OF LOS ANGELES Los Angeles, CA	DE-FG02-11ER55094 07/14/2016 Niemann	SC-24.2	High-Average Power Laser Experiments at the Large Plasma Device	150
LIFORNIA, UNIV. OF LOS ANGELES Los Angeles, CA	DE-FG02-06ER64249 09/14/2012 Phelps	SC-23.2	Institute for Molecular Medicine Research Program	0

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LIFORNIA, UNIV. OF LOS ANGELES Los Angeles, CA	DE-FG02-01ER54615 12/31/2012 Brower	SC-24.2	Development of Advanced Magnetic and Electron Current Density Diagnostics	694
LIFORNIA, UNIV. OF LOS ANGELES Los Angeles, CA	DE-FG02-09ER46580 07/31/2014 Ozolins	SC-22.21	Molecularly Assembled Material Architectures for Solar Energy Production, Storage, and Carbon Capture -- EFRC	2,150
LIFORNIA, UNIV. OF LOS ANGELES Los Angeles, CA	DE-FG02-09ER46658 09/14/2012 Chang	SC-22.23	SISGR - Metal Oxide Core Shell Nanostructures as Building Blocks for Efficient Light Emission	176
CALIFORNIA, UNIV. OF MERCED Merced, CA	DE-FG02-10ER65102 09/14/2013 O'Day	SC-23.1	Molecular Mechanisms and Kinetics of Microbial, Anaerobic, Nitrate-Dependent U(IV) and Fe(II) Oxidation	260
CALIFORNIA, UNIV. OF MERCED Merced, CA	DE-FG02-11ER65282 09/14/2012 Campbell	SC-23.1	Quantifying Carbon-Climate Processes at the Regional Scale Using Atmospheric Carbonyl Sulfide	149
CALIFORNIA, UNIV. OF MERCED Merced, CA	DE-FG02-11ER65369 09/14/2014 O'Day	SC-23.1	Uranium and Strontium Fate in Waste-Weathered Sediments: Scaling of Molecular Processes to Predict Reactive	70
CALIFORNIA, UNIV. OF MERCED Merced, CA	DE-FG02-04ER15502 06/30/2012 Kelley	SC-22.13	Exciton Transport and Charge Separation in Quantum Dot Arrays	75
CALIFORNIA, UNIV. OF MERCED Merced, CA	DE-FG02-08ER64614 08/14/2012 O'Day	SC-23.1	Release of Aged Contaminants from Weathered Sediments: Effects of Sorbate Speciation on Scaling of Reactive	0
CALIFORNIA, UNIV. OF MERCED Merced, CA	DE-FG02-07ER64457 07/31/2012 Kueppers	SC-23.1	Subalpine and Alpine Species Range Shifts with Climate Change: Temperature & Soil Moisture Manipulations to Test Species & Population Responses	683
CALIFORNIA, UNIV. OF RIVERSIDE Riverside, CA	DE-FG02-09ER46631 09/14/2012 Feng	SC-22.23	Low-Density and High Porosity Hydrogen Storage Materials Built from Ultra-Light Elements	252
CALIFORNIA, UNIV. OF RIVERSIDE Riverside, CA	DE-FG02-09ER46599 08/14/2012 Zaera	SC-22.23	Atomic Layer Deposition (ALD) of Metal and Metal Oxide Films: A Surface Science Study	186
CALIFORNIA, UNIV. OF RIVERSIDE Riverside, CA	DE-FG02-08ER46520 07/31/2014 Liu	SC-22.22	Study of P-Type ZnO and MgZnO Thin Films for Solid State Lighting	120
CALIFORNIA, UNIV. OF RIVERSIDE Riverside, CA	DE-FG02-06ER46296 07/14/2013 Wu	SC-22.22	Density Functional Theory for Phase-Ordering Transactions	140
CALIFORNIA, UNIV. OF RIVERSIDE Riverside, CA	DE-FG02-07ER46351 11/14/2014 Shi	SC-22.22	Study of Materials and Interface Properties for High-Efficiency Spin Injection	130
CALIFORNIA, UNIV. OF RIVERSIDE Riverside, CA	DE-FG02-04ER46131 04/14/2013 Mohideen	SC-22.22	Investigating the Role of Ferromagnetic Materials in the Casimir Force	150

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CALIFORNIA, UNIV. OF RIVERSIDE Riverside, CA	DE-FG02-04ER46138 04/14/2013 Haddon	SC-22.23	Solid State Electronic Structure and Properties of Neutral Carbon-Based Radicals	242
CALIFORNIA, UNIV. OF RIVERSIDE Riverside, CA	DE-FG02-07ER41465 05/31/2013 Hanson	SC-25	High Energy Physics Research with the CMS Experiment at CERN	248
CALIFORNIA, UNIV. OF RIVERSIDE Riverside, CA	DE-FG02-07ER41487 08/14/2012 Hanson	SC-25	Neutrino Factory & Muon Collider Fellow	0
CALIFORNIA, UNIV. OF RIVERSIDE Riverside, CA	DE-FG02-04ER41325 06/30/2013 Barish	SC-26.1	SPIN PHYSICS WITH PHENIX AT RHIC	254
CALIFORNIA, UNIV. OF RIVERSIDE Riverside, CA	DE-FG02-94ER40837 04/30/2012 Wimpenny, Ma, Gary	SC-25	High Energy Physics	1,167
CALIFORNIA, UNIV. OF RIVERSIDE Riverside, CA	DE-FG02-86ER40271 12/31/2014 Seto, Barish	SC-26.1	Quantifying the Strongly Interacting Quark Gluon Plasma - Heavy Ion Collisions at RHIC	430
CALIFORNIA, UNIV. OF RIVERSIDE Riverside, CA	DE-FG02-10ER16191 08/31/2013 Debus	SC-22.13	FTIR Studies of Photosynthetic Oxygen Production	159
CALIFORNIA, UNIV. OF RIVERSIDE Riverside, CA	DE-FG02-09ER16069 09/14/2012 Bertrand	SC-22.12	Transition-Metal-Catalyzed hydroamination of Non-Activated Carbon-Carbon Multiple Bonds with Ammonia	155
CALIFORNIA, UNIV. OF RIVERSIDE Riverside, CA	DE-FG02-09ER16096 09/14/2012 Zaera	SC-22.12	SISGR - Design and Characterization of Novel Photocatalysts With Core-Shell Nanostructures	380
CALIFORNIA, UNIV. OF RIVERSIDE Riverside, CA	DE-FG02-02ER15295 07/14/2014 Raikhel	SC-22.13	Trafficking to the Vacuoles in Plants	185
CALIFORNIA, UNIV. OF RIVERSIDE Riverside, CA	DE-FG02-05ER15660 05/14/2014 Bocian	SC-22.13	Fundamental Studies of Energy- and Hole/Electron- Transfer in Hydroporphyrin Architectures	200
CALIFORNIA, UNIV. OF RIVERSIDE Riverside, CA	DE-FG02-04ER15555 07/14/2012 Yang	SC-22.13	ROP GTPase Signaling in the Hormonal Regulation of Plant Growth	0
CALIFORNIA, UNIV. OF RIVERSIDE Riverside, CA	DE-FG02-11ER65186 08/31/2014 Ziemann	SC-23.1	Quantifying the Relationship Between Organic Aerosol Composition and Hygroscopicity / CCN Activity	200
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FC02-06ER25760 12/14/2012 Snavelly	SC-21.1	Collaborative Research: Performance Engineering Research Center	285
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-11ER16232 07/14/2016 Galperin	SC-22.11	Many-body Effects in Transport and Energy Transfer	152

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CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-09ER16013 04/30/2012 Fox	SC-22.13	Nanoscaled Components for Improved Efficiency in a Multipanel Photocatalytic Water-Splitting Device	165
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-09ER16007 06/14/2014 Estelle	SC-22.13	Function of the Arabidopsis T1R1/AFB Auxin Receptors in Growth and Development	195
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-10ER16126 12/31/2012 Weare	SC-22.12	Development and Application of Next Generation Parameter Free Petascale Simulation Technology for Solution Species, Nanoparticles, and Geochemical	155
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-98ER14879 10/31/2013 Continetti	SC-22.11	Dynamics and Energetics of Elementary Combustion Reactions and Transient Species	200
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-03ER15449 09/14/2012 Schroeder	SC-22.13	Molecular and Genetic Basis of Sodium/Potassium Transport and Distribution in Plants	177
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-90ER40546 06/30/2013 Kuti, Branson, Sharma, Griest	SC-25	Elementary Particle Physics	1,926
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FC02-11ER26049 08/31/2016 Carrington	SC-21.1	The Institute for Sustained Performance, Energy, and Resilience (SUPER)	215
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-07ER25815 08/31/2013 Tartakovsky	SC-21.1	Stochastic Analysis of Advection-Diffusion-Reactive Systems with Applications to Reactive Transport in	100
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-10ER25930 01/14/2013 Baden	SC-21.1	Automatic Transformation of MPI Programs to Asynchronous, Graph Driven Form	200
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-09ER25944 09/14/2012 Abarbanel	SC-21.1	Parameter Estimation and Model Validation of Nonlinear Dynamical Networks	200
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FC02-10ER25993 08/31/2013 Snively	SC-21.1	Thrifty: An Exascale Architecture for Energy Proportional Computing	322
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-09ER46672 09/14/2012 Meng	SC-22.21	New In Situ Analytical Electron Microscopy for Understanding Structure Evolution and Composition	157
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-10ER46677 12/31/2012 Tezcan	SC-22.23	Inorganic Control of Biological Self-Assembly: Engineering Novel Biological Architectures and Redox-Active Protein Assemblies	200
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-10ER46680 01/31/2013 Sinha, Fullerton	SC-22.21	Neutron and X-Ray Studies of Spin and Change Manipulation in Magnetic Nanostructures	320
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-09ER46603 07/31/2012 Shpyrko	SC-22.21	Nanoscale X-Ray Imaging and Dynamics of Electronic and Magnetic Materials	170

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CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-10ER46750 08/31/2013 Cha	SC-22.23	Bio-Inspired Routes for Synthesizing Efficient Nanoscale Platinum Electrocatalysts	230
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-07ER46449 05/14/2013 Butov	SC-22.22	Cold Exciton Gases in Semiconductor Heterostructures	165
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-08ER46519 07/31/2014 Cohen	SC-22.23	Tuning Sorption Properties of Metal-Organic Frameworks via Postsynthetic Covalent Modification	220
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-05ER46204 05/31/2014 Di Ventra	SC-22.22	Time-Dependent Current Density-Functional Theory of Charge, Energy and Spin Transport and Dynamics in Nanoscale Systems	105
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-04ER46105 11/30/2012 Maple	SC-22.22	Superconductivity and Magnetism in d- and f-Electron Materials	300
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-00ER45799 11/30/2014 Basov	SC-22.22	Electromagnetic Response of Correlated Electron Systems	135
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-87ER45332 06/30/2014 Schuller	SC-22.22	Nanostructured Materials: From Superlattices to Quantum Dots	175
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-10ER41672 05/31/2015 Fuller	SC-26.1	Neutrinos and Nucleosynthesis in Hot and Dense Matter	0
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-11ER46803 07/14/2016 Cha	SC-22.23	Rigid Biopolymer Nanocrystal Systems for Controlling Multicomponent Nanoparticle Assembly and Orientation in Thin Film	150
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-10ER55080 07/14/2013 Surko	SC-24.2	New Plasma Tools for Physics with Low-Energy Antimatter	190
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-09ER55038 08/14/2012 Beg	SC-24.2	Assessment of Proton Deflectometry for Exploding Wire Experiments	200
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-07ER54917 01/14/2013 Moyer	SC-24.2	DIII-D Edge Physics and Disruptions	918
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FC02-07ER54908 01/14/2012 Krashennnikov	SC-24.2	Framework Application for Core-Edge Transport Simulation (FACETS)	90
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-07ER54912 12/14/2012 Tynan	SC-24.2	UCSD PISCES Program: Plasma Boundary Science, Materials Interactions, and Collaborative Fusion Research	1,800
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-09ER55025 07/14/2014 O'Neil	SC-24.2	Fundamental Processes in Plasmas	350

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CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-03ER54731 03/14/2012 Boedo, Moyer	SC-24.2	Edge Physics Studies on the NSTX Spherical Tokamaks	0
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-04ER54738 12/14/2013 Diamond	SC-24.2	Investigations in Anomalous Transport and Ignition Physics	639
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-04ER54739 01/14/2013 Krashennnikov	SC-24.2	Turbulence, Structures, and Macroscopic Transport in Edge, SOL, and Divertor Plasmas	277
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-05ER54809 04/14/2014 Moyer	SC-24.2	Modeling Plasma Response to Non-Axisymmetric Magnetic Field Perturbations in Tokamak Boundaries	180
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-06ER54852 02/28/2012 Krashennnikov	SC-24.2	Basic Physical Processes Involving Dust in Fusion Plasmas	100
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-06ER54871 05/31/2012 Tynan	SC-24.2	Nonlinear Drift Turbulence-Zonal Flow Interactions in a Laboratory Plasma Device	249
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-04ER54757 12/31/2012 Najmabadi, Raffray, Tillack, Mau	SC-24.2	Advanced Design Program (ARIES)	1,096
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-11ER55097 07/31/2014 Bott	SC-24.2	An Investigation of the Effects of Magnetic Fields and Collisionality on Shock Formation in Radiatively Cooled	199
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FC02-11ER55104 08/31/2016 Holland	SC-24.2	CSPM: Center for the Study of Plasma Microturbulence	100
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-05ER64119 08/14/2012 McClellan	SC-23.1	Towards a Fine-Resolution Global Coupled Climate System for Prediction on Decadal/Centennial Scales	0
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-09ER64764 06/14/2012 Somerville	SC-23.1	Collaborative Research: Using ARM Observations and Advanced Statistical Techniques to Evaluate CAM3 Clouds for Development of Stochastic Cloud-Radiation	65
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-10ER65090 09/14/2013 Keeling	SC-23.1	Developing Model Constraints of Northern Extra-Tropical Carbon Cycling Based on Measurements of the Abundance and Isotopic	349
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-11ER65167 08/14/2016 Bertram	SC-23.1	In situ Measurements of Heterogeneous Reactions on Ambient Aerosol Particles: Impacts on Atmospheric Chemistry and Climate	247
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-11ER65179 08/31/2014 Kay	SC-23.2	Systems Level Regulation of Rhythmic Growth Rate and Biomass Accumulation in Grasses	749
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-10ER65029 08/14/2013 Palsson	SC-23.2	A Systems Biology Knowledgebase: Context for Content	464

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CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-11ER65294 09/14/2014 Russell	SC-23.1	Simulating the Artic Winter Longwave Indirect Effects: A New Parameterization for Frost Flower Aerosol Salt Emissions	157
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-09ER64736 04/30/2012 Zhang	SC-23.1	Improving Convection Parameterization Using ARM Observations and NCAR Community Atmosphere Model	177
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-09ER64777 07/31/2012 Russell	SC-23.1	High Latitude Climate Modeling: ARM Takes us Beyond Case Studies	144
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-09ER64844 08/14/2012 Russell	SC-23.1	Cloud-Aerosol Physics in Super-Parameterized Atmospheric Regional Climate Simulations (CAP-SPARCS)	0
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-09ER64846 08/14/2012 Cessi	SC-23.1	Warm Bias and Parameterization of Boundary Upwelling in Ocean Models	0
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-09ER64850 08/14/2012 Cerovecki	SC-23.1	North Pacific Mesoscale Coupled Air-Ocean Simulations Compared with Observations	0
CALIFORNIA, UNIV. OF SAN FRAN San Francisco, CA	DE-FG02-10ER64984 06/14/2013 Miller	SC-23.1	Defining the Molecular-Cellular-Field Continuum of Mercury Detoxification	225
CALIFORNIA, UNIV. OF SAN FRAN San Francisco, CA	DE-FG02-10ER64932 02/14/2013 Balmain	SC-23.2	A System Genetics Approach to Identify Low Dose Radiation-Induced Lymphoma Susceptibility	335
CALIFORNIA, UNIV. OF SAN FRAN San Francisco, CA	DE-FG02-11ER65195 09/14/2014 Miller	SC-23.1	Identifying Key Proteins in Hg Methylation Pathways of <i>Desulfovibrio</i> by Global Proteomics	128
FORNIA, UNIV. OF SANTA BARBARA Santa Barbara, CA	DE-FG02-94ER54275 05/31/2013 Odette	SC-24.2	A Science-Based Fast Track for Advanced Fusion Structural Materials Development	675
FORNIA, UNIV. OF SANTA BARBARA Santa Barbara, CA	DE-FG02-87ER45331 02/28/2014 Israelachvili	SC-22.23	Relationships Between the Adhesion, Friction and Nano/Micro-Structure of Materials, Surfaces and Films	282
FORNIA, UNIV. OF SANTA BARBARA Santa Barbara, CA	DE-FG02-02ER46006 05/31/2013 Morse	SC-22.23	Biological and Biomimetic Low-Temperature Routes to Materials for Energy Applications	350
FORNIA, UNIV. OF SANTA BARBARA Santa Barbara, CA	DE-FG02-02ER45994 12/31/2012 Stemmer	SC-22.21	Phonons and Electrons in Thin Complex Oxides	180
FORNIA, UNIV. OF SANTA BARBARA Santa Barbara, CA	DE-FG02-06ER46314 07/31/2013 Safinya	SC-22.23	Miniaturized Hybrid Materials Inspired by Nature	250
FORNIA, UNIV. OF SANTA BARBARA Santa Barbara, CA	DE-FG02-08ER46524 08/31/2014 Balents	SC-22.22	Interplay of Electron Correlations and Spin-Orbit Coupling	90

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FORNIA, UNIV. OF SANTA BARBARA Santa Barbara, CA	DE-FG02-08ER46535 08/31/2014 Heeger	SC-22.23	Charge Recombination, Transport Dynamics, and Interfacial Effects in Organic Solar Cells	600
FORNIA, UNIV. OF SANTA BARBARA Santa Barbara, CA	DE-FG02-07ER46434 08/14/2013 Van de Walle	SC-22.22	Computational Studies of Hydrogen Interfaces with Storage Materials	140
FORNIA, UNIV. OF SANTA BARBARA Santa Barbara, CA	DE-FG02-09ER46659 09/14/2012 Nguyen	SC-22.23	SISGR - Mechanistic Studies of Charge Injection from Metallic Electrodes into Organic Semiconductors Mediated by Ionic Functionalities	300
FORNIA, UNIV. OF SANTA BARBARA Santa Barbara, CA	DE-FC02-06ER41437 09/14/2012 Sugar	SC-25	SciDAC: National Computational Infrastructure for Lattice Gauge Theory	30
FORNIA, UNIV. OF SANTA BARBARA Santa Barbara, CA	DE-FG02-10ER41698 08/31/2012 Monreal	SC-25	Ultra-High-Resolution Time Projection Chambers withg Liquid Crystal Backplanes	15
FORNIA, UNIV. OF SANTA BARBARA Santa Barbara, CA	DE-FG02-91ER40618 03/31/2014 Richman	SC-25	UCSB High Energy User Group	2,362
FORNIA, UNIV. OF SANTA BARBARA Santa Barbara, CA	DE-FG02-03ER15467 09/14/2012 Scott	SC-22.12	Hierarchical Design of Supported Organometallic Catalysis for Hydrocarbon Transformations: Structures and Dynamics of Active Sites	643
FORNIA, UNIV. OF SANTA BARBARA Santa Barbara, CA	DE-FG02-03ER15441 12/14/2011 Wodtke	SC-22.11	Electronically non-adiabatic dynamics at the gas-solid interface	0
FORNIA, UNIV. OF SANTA BARBARA Santa Barbara, CA	DE-FG02-89ER14048 06/30/2014 McFarland	SC-22.12	Investigations of C-H Bond Activation and Doped Metal Oxide Catalysts	210
FORNIA, UNIV. OF SANTA BARBARA Santa Barbara, CA	DE-FG02-98ER14910 12/31/2011 Bazan	SC-22.12	Ring Walking/Oxidative Addition Reactions for the Controlled Synthesis of Conjugated Polymers	0
FORNIA, UNIV. OF SANTA BARBARA Santa Barbara, CA	DE-FG02-10ER16081 11/30/2012 Seshadri	SC-22.12	Platinum-Group Metal (PGM) Substituted Complex Oxide Catalysts	156
FORNIA, UNIV. OF SANTA BARBARA Santa Barbara, CA	DE-FG02-10ER16131 01/31/2013 Boles	SC-22.12	Physiochemical Evidence of Faulting Processes and Modeling of Fluid Flow in Evolving Fault Systems in Southern	96
FORNIA, UNIV. OF SANTA BARBARA Santa Barbara, CA	DE-FG02-08ER15991 02/29/2012 Gibou	SC-22.12	Multiscale Investigation and Modeling of Flow Mechanisms Related to CO2 Sequestration in Geologic Formations	0
FORNIA, UNIV. OF SANTA BARBARA Santa Barbara, CA	DE-FG02-09ER16067 08/14/2012 Hayton	SC-22.12	Exploring the Redox and Oxo Substitution Chemistry of the Uranyl Ion: Implications for Separations and Environmental	120
FORNIA, UNIV. OF SANTA BARBARA Santa Barbara, CA	DE-FG02-04ER25621 06/30/2012 Petzold	SC-21.1	Multiscale Simulation Algorithms for Biochemical Systems	0

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ALIFORNIA, UNIV. OF SANTA CRUZ Santa Cruz, CA	DE-FG02-11ER65156 08/14/2015 Tulaczyk	SC-23.1	Collaborative Proposal: Improving Decadal Prediction of Arctic Climate Variability and Change Using a Regional Arctic System	55
ALIFORNIA, UNIV. OF SANTA CRUZ Santa Cruz, CA	DE-FC02-10ER26033 08/31/2013 Brandt	SC-21.1	Adding Data Management Services to Parallel File Systems	686
ALIFORNIA, UNIV. OF SANTA CRUZ Santa Cruz, CA	DE-FC02-10ER26017 08/31/2013 Long	SC-21.1	Dynamic Non-hierarchical File Systems for Exscale Storage	985
ALIFORNIA, UNIV. OF SANTA CRUZ Santa Cruz, CA	DE-FG02-04ER41286 10/31/2012 Seiden	SC-25	Research in High Energy Physics	2,199
ALIFORNIA, UNIV. OF SANTA CRUZ Santa Cruz, CA	DE-FC02-06ER41438 09/14/2012 Woosley	SC-25	SciDAC: Computational Astrophysics Consortium: 3 Supernovae, Gamma Ray Bursts, and Nucleosynthesis	130
ALIFORNIA, UNIV. OF SANTA CRUZ Santa Cruz, CA	DE-FG02-05ER46232 08/14/2012 Zhang	SC-22.21	Structure and Charge Carrier Dynamics at Interfaces in Nanocomposite Materials	150
ALIFORNIA, UNIV. OF SANTA CRUZ Santa Cruz, CA	DE-FG02-06ER46319 08/31/2013 Shastry	SC-22.22	Theoretical Studies in Very Strongly Correlated Matter	230
ALIFORNIA, UNIV. OF SANTA CRUZ Santa Cruz, CA	DE-FG02-11ER41764 08/31/2014 Bernstein	SC-25	Non-accelerator Physics - Research in High Energy Physics	60
ALIFORNIA, UNIV. OF SANTA CRUZ Santa Cruz, CA	DE-FG02-04ER63750 12/14/2012 Liu	SC-23.2	Artificial Retina Project: Wireless Link and Microelectronics	152
COMPX Del Mar, CA	DE-FC02-01ER54649 03/31/2016 Harvey	SC-24.2	Center for Simulation of Wave Plasma Interactions	60
COMPX Del Mar, CA	DE-FG02-11ER55088 07/31/2014 Harvey	SC-24.2	Collaboration with NSTX in Calculations of Radiofrequency and Neutral Beam Heating and Current Drive Sources	60
COMPX Del Mar, CA	DE-FC02-06ER54856 07/14/2012 Harvey	SC-24.2	Center for Simulation of Wave Interactions with MHD - SWIM	75
COMPX Del Mar, CA	DE-FG02-04ER54744 12/14/2012 Harvey	SC-24.2	Advanced Development of the CQL3D Fokker-Planck Code and GENRAY Ray Tracing Codes	118
DOHENY EYE INSTITUTE Los Angeles, CA	DE-FC02-04ER63735 04/30/2012 Humayun	SC-23.2	Artificial Retina: Bioelectronics Research Laboratory	1,100
GENERAL ATOMICS San Diego, CA	DE-FC02-08ER54977 02/14/2016 Waltz, Chu	SC-24.2	Gyroknetic Simulation of Energetic Particle Turbulence and Transport	200

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2011
GENERAL ATOMICS San Diego, CA	DE-FG02-97ER54402 05/14/2014 Lee	SC-24.2	Advancing Precollege Science and Mathematics Education	208
GENERAL ATOMICS San Diego, CA	DE-FC02-04ER54698 10/31/2013 Taylor, Stambaugh	SC-24.2	The DIII-D Fusion Research Program and Advanced Fusion Technology Research and Development	53,567
GENERAL ATOMICS San Diego, CA	DE-FG02-99ER54522 02/28/2014 La Haye	SC-24.2	National Spherical Torus Experiment: Collaborative Research on Configuration Optimization	300
GENERAL ATOMICS San Diego, CA	DE-FG02-95ER54309 01/14/2014 Chan	SC-24.2	Theory and Simulation of Fusion Plasmas	2,165
GENERAL ATOMICS San Diego, CA	DE-FC02-06ER54861 06/30/2012 Schissel	SC-24.2	SciDAC - Center for Simulation of Wave Interactions with MHD - General Atomics Support of ORNL Collaboration	133
GENERAL ATOMICS San Diego, CA	DE-FC02-06ER54873 03/31/2013 Snyder	SC-24.2	Edge Simulation Laboratory	179
GENERAL ATOMICS San Diego, CA	DE-FC02-08ER54952 03/31/2016 Choi	SC-24.2	SciDAC Center for Simulation of Wave-Plasma Interactions - GA	50
GENERAL ATOMICS San Diego, CA	DE-FG02-05ER54834 05/31/2012 Stephens	SC-24.2	Advanced Concept Exploration of Fast Ignition	1,549
GENERAL ATOMICS San Diego, CA	DE-FG02-09ER55035 08/14/2012 Stephens	SC-24.2	Ion-Fast Ignition - Establishing a Scientific Basis for Inertial Fusion Energy	306
GENERAL ATOMICS San Diego, CA	DE-FC02-08ER54963 02/14/2016 Candy	SC-24.2	Center for the Study of Plasma Microturbulence	230
LOGICAL SURVEY, US, MENLO PARK Menlo Park, CA	DE-AI02-10ER65007 06/30/2013 Curtis, Davis	SC-23.1	Upscaling of U(VI) Desorption and Transport from Decimeter-Scale Heterogeneity to Plume-Scale Modeling	319
LOGICAL SURVEY, US, MENLO PARK Menlo Park, CA	DE-AI02-09ER64743 07/31/2013 Curtis	SC-23.1	Multi-Scale Assessment of Prediction Uncertainty in Coupled Reactive Transport Models	168
HEWLETT-PACKARD COMPANY Palo Alto, CA	DE-FC02-10ER25988 08/31/2013 Schreiber	SC-21.1	Blackcomb: Hardware-Software Co-Design for Non-Volatile Memory in Exascale Systems	1,302
HINTON ASSOCIATES Escondido, CA	DE-FC02-07ER54922 02/14/2012 Hinton	SC-24.2	SciDAC - Center for Plasma Edge Simulation - Hinton Associates Support of NYU Collaboration	66
IETY FOR COMPUTATIONAL BIOLOGY La Jolla,, CA	DE-FG02-06ER64270 06/30/2012 Rost	SC-23.2	ISMB 2009-2011 Conference Travel Support for Students and Young Scientists	35

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LOMA LINDA UNIVERSITY Loma Linda, CA	DE-FG02-09ER64787 08/31/2012 Nelson	SC-23.2	Low Dose Ionizing Radiation Modulates Immune Function	477
MONTEREY BAY AQUARIUM RES INST Moss Landing, CA	DE-FG02-10ER64993 06/30/2013 Worden	SC-23.2	Connecting Genomes to Physiology and Response in Marine Photosynthetic Eukaryotes: Systems Biology of the Green Alga <i>Micromonas</i>	698
NASA - AMES RESEARCH CENTER Moffett Field, CA	DE-AI02-11ER65206 08/31/2014 Jensen	SC-23.1	Using Statistical Comparisons between SPARTICUS Cirrus Microphysical Measurements, Detailed Cloud Models, and	172
NASA - AMES RESEARCH CENTER Moffett Field, CA	DE-AI02-11ER65138 03/31/2014 Bebout	SC-23.2	A Systems Biology Approach to Energy Flow in H ₂ Producing Microbial Communities: Hypersaline Cyanobacterial Mats	250
NASA - AMES RESEARCH CENTER Moffett Field, CA	DE-AI02-09ER64784 06/30/2012 Globus	SC-23.2	Oxidative Stress and Skeletal Health with Low Dose, Low LET Ionizing Radiation	521
THE, NAVAL POSTGRADUATE SCHOOL Monterey, CA	DE-AI02-11ER65155 05/14/2015 Maslowski	SC-23.1	Collaborative Proposal: Improving Decadal Prediction of Arctic Climate Variability and Change Using a Regional Arctic System Model (RASM)	264
THE, NAVAL POSTGRADUATE SCHOOL Monterey, CA	DE-AI02-11ER65367 09/14/2014 Maslowski	SC-23.1	Collaborative Project: Understanding the Effects of Tides and Eddies on the Ocean Dynamics, Sea Ice Cover and	243
OCCIDENTAL COLLEGE Los Angeles, CA	DE-FG02-06ER54882 07/14/2013 Eggleston	SC-24.2	Studies of Particle Transport in a Non-Plasma Trap	65
SALK INST. FOR BIOL. STUDIES La Jolla, CA	DE-FG02-04ER15540 05/14/2014 Chory	SC-22.13	Signal Transduction Pathways that Regulate CAB Gene Expression	195
SALK INST. FOR BIOL. STUDIES La Jolla, CA	DE-FG02-04ER15517 02/14/2014 Ecker	SC-22.13	Analysis of Ethylene-Regulated Growth Networks in Arabidopsis	200
SALK INST. FOR BIOL. STUDIES La Jolla, CA	DE-FG02-11ER65177 08/31/2014 Ecker	SC-23.2	Next Generation Interactomes for Plant Systems Biology and Biomass Feedstocks Research	740
GO STATE UNIVERSITY FOUNDATION San Diego, CA	DE-FG02-10ER65089 09/14/2013 Oechel	SC-23.1	Seasonal and Inter-Annual Controls on CO ₂ Flux in Arctic Alaska	121
GO STATE UNIVERSITY FOUNDATION San Diego, CA	DE-FG02-03ER41272 05/31/2012 Johnson	SC-26.1	Mean-Field and Moment Methods Applied to Nuclear Structure and Reactions	78
GO STATE UNIVERSITY FOUNDATION San Diego, CA	DE-FC02-09ER41587 06/30/2012 Johnson	SC-26.1	Building a Universal Nuclear Energy Density Functional	55
GO STATE UNIVERSITY FOUNDATION San Diego, CA	DE-FG02-09ER64765 06/14/2012 Shen	SC-23.1	Using ARM Observations to Evaluate GCM Cloud Statistics for Development of Stochastic Cloud-Radiation	37

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SAN FRANCISCO STATE UNIVERSITY San Francisco, CA	DE-FG02-92ER40711 01/31/2014 Greensite	SC-25	Research in Theoretical High Energy Physics	140
N JOSE STATE UNIVERSITY FOUND. San Jose, CA	DE-FG02-07ER15853 02/29/2012 Silber	SC-22.12	Support for the American Chemical Society's Summer Schools in Nuclear and Radiochemistry	110
SCRIPPS RESEARCH INSTITUTE La Jolla, CA	DE-FG02-03ER46051 06/30/2013 Schultz	SC-22.23	Biopolymers Containing Unnatural Building Blocks	500
SOUTHERN CALIFORNIA, UNIV. OF Los Angeles, CA	DE-FG02-06ER64322 03/14/2012 Pohost	SC-23.2	Development of Advanced Surgical Robotics "DARS"	0
SOUTHERN CALIFORNIA, UNIV. OF Los Angeles, CA	DE-FG02-11ER46826 08/31/2014 Brutchey	SC-22.23	Mitigating Breakdown in High Energy Density Perovskite Polymer Nanocomposite Capacitors	150
SOUTHERN CALIFORNIA, UNIV. OF Los Angeles, CA	DE-FG02-07ER46376 05/31/2013 Cronin	SC-22.22	Energy Transport in Graphene	142
SOUTHERN CALIFORNIA, UNIV. OF Los Angeles, CA	DE-FG02-05ER46240 08/31/2014 Haas	SC-22.22	Quantum Quench Dynamics-Crossover Phenomena in Non-Equilibrium Correlated Quantum Systems	91
SOUTHERN CALIFORNIA, UNIV. OF Los Angeles, CA	DE-FG02-04ER46130 04/14/2013 Vashishta	SC-22.22	Thermomechanical Properties of Thin Films and Membranes of Functionalized Nanocrystals and Nanowire Arrays:	180
SOUTHERN CALIFORNIA, UNIV. OF Los Angeles, CA	DE-FC02-06ER25765 12/14/2012 Lucas	SC-21.1	Performance Engineering Research Center (PERC-3)	325
SOUTHERN CALIFORNIA, UNIV. OF Los Angeles, CA	DE-FG02-10ER16132 01/31/2013 Sahimi	SC-22.12	Nanoporous Membranes for Hydrogen Production: Experimental Studies and Molecular Simulation	292
SOUTHERN CALIFORNIA, UNIV. OF Los Angeles, CA	DE-FG02-10ER16145 04/30/2013 Wittig	SC-22.11	Detailed Studies of Hydrocarbon Radicals: C2H Dissociation Dynamics	142
SOUTHERN CALIFORNIA, UNIV. OF Los Angeles, CA	DE-FG02-05ER15629 12/31/2014 Reisler	SC-22.11	Photoinitiated Reactions of Radicals and Diradicals in Molecular Beams	135
SOUTHERN CALIFORNIA, UNIV. OF Los Angeles, CA	DE-FG02-05ER15685 12/14/2014 Krylov	SC-22.11	Theoretical Modeling of Spin-Forbidden Channels in Combustion Reactions	100
SOUTHERN CALIFORNIA, UNIV. OF Los Angeles, CA	DE-FG02-92ER40745 11/14/2013 Muggli	SC-25	Program for Plasma-Based Concepts for Future High Energy Accelerators	464
SOUTHERN CALIFORNIA, UNIV. OF Los Angeles, CA	DE-FC02-11ER26051 08/31/2016 Ghanem	SC-21.1	Quantifications of Uncertainty in Extreme Scale Computations (QUEST) ScidAC Lead: Sandia National Laboratory	150

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SOUTHERN CALIFORNIA, UNIV. OF Los Angeles, CA	DE-FG02-84ER40168 02/28/2014 Warner, Bars	SC-25	Theoretical Particle Physics	355
SOUTHERN CALIFORNIA, UNIV. OF Los Angeles, CA	DE-FG02-09ER25939 09/14/2012 Hochstein	SC-21.1	Software Construction and Composition Tools for Petascale Computing	95
SOUTHERN CALIFORNIA, UNIV. OF Los Angeles, CA	DE-FC02-06ER25788 09/14/2012 Vashishta	SC-21.1	Hierarchical Petascale Simulation Framework for Stress Corrosion Cracking	295
SOUTHERN CALIFORNIA, UNIV. OF Los Angeles, CA	DE-FG02-08ER25834 09/14/2012 Chame	SC-21.1	Compiler-Directed Automatic Performance Tuning (TUNE)	100
SOUTHERN CALIFORNIA, UNIV. OF Los Angeles, CA	DE-FG02-09ER25900 07/31/2012 Lehman	SC-21.1	Virtualized Network Control (VNC) Project	351
SOUTHERN CALIFORNIA, UNIV. OF Los Angeles, CA	DE-FG02-09ER25890 06/14/2012 Ghanem	SC-21.1	Mathematical and Computational Tools for Predictive Simulation of Complex Coupled Systems Under Uncertainty	199
SOUTHERN CALIFORNIA, UNIV. OF Los Angeles, CA	DE-FG02-11ER65303 09/14/2013 Gorby	SC-23.1	Bacterial Nanowires and Extracellular Electron Transfer to Heavy Metals and Radionuclides by Bacterial Isolates from	333
SOUTHERN CALIFORNIA, UNIV. OF Marina del Rey, CA	DE-FC02-11ER26056 08/31/2016 Lucas	SC-21.1	Institute for Sustained Performance, Energy and Resiliency	367
SRI INTERNATIONAL Menlo Park, CA	DE-FG02-10ER65032 08/14/2013 Karp	SC-23.2	Curation and Computational Design of Bioenergy-related Metabolic Pathways (SRI Proposal ECU 10-602)	455
STANFORD UNIVERSITY Stanford, CA	DE-FG02-10ER65042 07/31/2013 Weyant	SC-23.1	Research in Integrated Assessment Inter-Model Development, Testing and Diagnostics	970
STANFORD UNIVERSITY Stanford, CA	DE-FG02-11ER65196 08/31/2014 Fendorf	SC-23.1	Subsurface Conditions Controlling Uranium Incorporation in Iron Oxides: A Redox Stable Sink	250
STANFORD UNIVERSITY Stanford, CA	DE-FG02-11ER65228 09/14/2014 Criddle	SC-23.1	Long-Term Sequestration of Uranium in Iron-Rich Sediment	330
STANFORD UNIVERSITY Stanford, CA	DE-FG02-04ER41295 03/31/2013 Cabrera, Gratta	SC-25	Stanford Non-Accelerator High Energy Physics Program	1,285
STANFORD UNIVERSITY Stanford, CA	DE-FG02-03ER41276 07/31/2013 Byer	SC-25	Development of High-Gradient Extended Dielectric Based Laser-Driven Particle Accelerator Structures	316
STANFORD UNIVERSITY Stanford, CA	DE-FC02-06ER25787 06/30/2012 Lele	SC-21.1	Simulations of Turbulent Flows With Strong Shocks	0

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STANFORD UNIVERSITY Stanford, CA	DE-FG02-09ER25917 09/14/2012 Saunders	SC-21.1	Numerical Optimization Techniques for Systems Biology	493
STANFORD UNIVERSITY Stanford, CA	DE-FG02-07ER15892 06/30/2014 Moerner	SC-22.13	Conformational and Chemical Dynamics of Single Proteins in Solution by Suppression of Brownian Motion	254
STANFORD UNIVERSITY Stanford, CA	DE-FG02-11ER26061 08/31/2014 Darve	SC-21.1	Modeling Rare Events in High Dimensional Stochastic Systems	143
STANFORD UNIVERSITY Stanford, CA	DE-FG02-10ER26028 08/31/2013 Iaccarino	SC-21.1	A High-Performance Embedded Hybrid Methodology for Uncertainty Quantification With Applications	159
STANFORD UNIVERSITY Stanford, CA	DE-FG02-10ER26026 08/31/2013 Alonso	SC-21.1	Large-Scale Uncertainty and Error Analysis for Time-Dependent Fluid/Structure Interactions in Wind Turbine Applications	213
STANFORD UNIVERSITY Stanford, CA	DE-FG02-03ER15454 07/31/2013 Borja	SC-22.12	Mechanisms of Pore Collapse in High-Porosity Rocks	140
STANFORD UNIVERSITY Stanford, CA	DE-FG02-04ER15588 05/31/2014 Pollard, Aydin	SC-22.12	Structural Heterogeneities and Paleo Fluid Flow in An Analog Sandstone Reservoir	286
STANFORD UNIVERSITY Stanford, CA	DE-FG02-03ER15423 06/30/2013 Nur	SC-22.12	Porous Rock with Fluid: Impact of Heterogeneity and Scale on Relations between Rock Properties	241
STANFORD UNIVERSITY Stanford, CA	DE-FG02-84ER13251 01/14/2014 Fayer	SC-22.11	Confinement, Interfaces, and Ions: Dynamics and Interactions in Water, Proton Transfer, and Room Temperature Ionic Liquid Systems	280
STANFORD UNIVERSITY Stanford, CA	DE-FG02-88ER13857 02/28/2015 Hanson, Bowman	SC-22.11	Spectroscopy and Kinetics of Combustion Gases at High Temperatures	160
STANFORD UNIVERSITY Stanford, CA	DE-FG02-10ER16198 09/14/2013 Waymouth	SC-22.12	Enabling Catalytic Strategies for Biomass Conversion	160
STANFORD UNIVERSITY Stanford, CA	DE-FG02-06ER25726 03/31/2014 Durlafsky	SC-21.1	Multiscale Analysis and Computation for Flows in Heterogeneous Media	96
STANFORD UNIVERSITY Stanford, CA	DE-FG02-07ER46391 03/31/2013 Dauskardt	SC-22.22	Molecular-Reinforced Hybrid Glass Films with Superior Thermo-Mechanical Properties	200
STANFORD UNIVERSITY Stanford, CA	DE-FG02-04ER46163 07/31/2014 Nix	SC-22.22	Mechanical Properties of Materials with Nanometer Scale Dimensions and Microstructures	170
STANFORD UNIVERSITY Stanford, CA	DE-FG02-10ER46731 04/30/2013 Bent	SC-22.23	Studies of Surface Reaction Mechanisms in Atomic Layer Deposition	200

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STANFORD UNIVERSITY Stanford, CA	DE-FG02-09ER46632 09/14/2012 Swartz	SC-22.23	Using In Vitro Maturation and Cell-Free Evolution to Understand (FeFe)hydrogenase Activation and Active Site Constraints	265
STANFORD UNIVERSITY Stanford, CA	DE-FG02-09ER46579 07/31/2014 Prinz	SC-22.13	Center on Nanostructuring for Efficient Energy Conversion -- EFRFC	4,000
STANFORD UNIVERSITY Stanford, CA	DE-FG02-07ER46426 08/31/2013 Fan	SC-22.22	Nanophotonics Enhanced Solar Cells	270
STANFORD UNIVERSITY Stanford, CA	DE-FG02-09ER55059 08/14/2012 Cappelli	SC-24.2	Plasma-Enhanced Combustion of Hydrocarbon Fuels and Fuel Blends Using Nanosecond Pulsed Discharges	140
STANFORD UNIVERSITY Stanford, CA	DE-FG02-95ER62051 06/14/2014 Weyant	SC-23.1	Summer Workshops on Climate Change Impacts and Integrated Assessment of Climate Change	180
STANFORD UNIVERSITY Stanford, CA	DE-FG02-08ER64552 04/30/2012 Spormann	SC-23.2	The Hopkins Microbiology Course	0
STANFORD UNIVERSITY Stanford, CA	DE-FG02-09ER64837 08/14/2012 Difffenbaugh	SC-23.1	Impacts of High Resolution Extreme Events on US Energy Demand and CO2 Emissions in the 21st Century	0
WHITTIER COLLEGE Whittier, CA	DE-FG02-09CH11570 08/31/2011 Borst	SC-23	Science and Mathematics Education Outreach by Whittier College for Elementary, Middle, and High School Students in Majority Hispanic Schools	0
Total for CA :				191,918

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands)
				FY 2011
.S. DEPT. OF, ARS-FORT COLLINS Fort Collins, CO	DE-AI02-09ER64829 08/31/2012 Sarath	SC-23.2	The Hunt for Green Every April: Factors Affecting Fitness in Switchgrass	374
TURE, U.S. DEPT. OF, FS-GOLDEN Golden, CO	DE-AI02-11ER65199 08/31/2014 Hollinger	SC-23.1	Supporting Carbon Cycle and Earth Systems Modeling with Measurements and Analysis from the Howland AmeriFlux Site	349
ASPEN CENTER FOR PHYSICS Aspen, CO	DE-FG02-04ER41297 12/31/2011 Bhatt, Pinsky	SC-25	2009 Aspen Winter Conference on High Energy Physics	10
ASPEN GLOBAL CHANGE INSTITUTE Basalt, CO	DE-FG02-11ER65154 04/30/2012 Katzenberger	SC-23.1	Making Sense of the Multi-Model Decadal Prediction Experiments from CMIP5 Workshop, June 26 - July 1, 2011	20
CLIMATE CENTRAL Boulder, CO	DE-FG02-10ER65123 09/14/2013 Tebaldi	SC-23.1	Detection and Attribution: New Frontiers and Applications	147
COLORADO SCHOOL OF MINES Golden, CO	DE-FG02-09ER64745 04/30/2012 Rodriguez	SC-23.1	Multi-Scale Assessment of Prediction Uncertainty in Coupled Reactive Transport Models	19
COLORADO SCHOOL OF MINES Golden, CO	DE-FG02-10ER65008 06/30/2013 Rodriguez	SC-23.1	Upscaling of U(VI) Desorption and Transport from Decimeter-scale Heterogeneity to Plume-scale Modeling	126
COLORADO SCHOOL OF MINES Golden, CO	DE-FG02-11ER65314 09/14/2013 Sharp	SC-23.1	Coupled Biological and Micro-XAS/XRF Analysis of In Situ Uranium Biogeochemical Processes	149
COLORADO SCHOOL OF MINES Golden, CO	DE-FG02-07ER46397 07/14/2013 Reimanis	SC-22.22	Mechanical Behavior in Ceramics with Unusual Thermal-Mechanical Properties	120
COLORADO SCHOOL OF MINES Golden, CO	DE-FG02-11ER46792 07/14/2016 Wu	SC-22.22	Quantum Mechanical Simulations of Complex Nanostructures for Photovoltaic Applications	150
COLORADO SCHOOL OF MINES Golden, CO	DE-FG02-05ER46242 08/14/2014 Koh	SC-22.23	Energy Storage in Clathrate Hydrogen Material	170
COLORADO SCHOOL OF MINES Golden, CO	DE-FG02-08ER46659 08/31/2012 Revil	SC-23.1	Advanced Self-Potential Inversion: Development and Use for Investigating Natural Recharge Processes at the ORNL IFC	0
COLORADO SCHOOL OF MINES Golden, CO	DE-FG02-09ER16018 06/14/2012 Scales	SC-22.12	Characterization of Electrical and Mechanical Properties of Rocks at Sub-Millimeter Scales	155
COLORADO SCHOOL OF MINES Golden, CO	DE-FG02-93ER40789 03/31/2014 Greife	SC-26.1	Nuclear Structure and Astrophysics with Unstable Beams	276
COLORADO SCHOOL OF MINES Golden, CO	DE-FG02-10ER41704 09/30/2012 Greife	SC-26.2	Development of a High-Density Gas-Jet Target for Nuclear Astrophysics and Reaction Studies with Rare Isotope Beams	89

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COLORADO STATE UNIVERSITY Fort Collins, CO	DE-FG02-93ER40788 12/14/2013 Toki, Harton, Wilson	SC-25	Research in High Energy Physics	870
COLORADO STATE UNIVERSITY Fort Collins, CO	DE-FG02-03ER41255 06/30/2014 Fairbank	SC-25	New Technique for Barium Daughter Ion Identification in a Liquid Xe-136 Double Beta Decay Experiment	100
COLORADO STATE UNIVERSITY Fort Collins, CO	DE-FG02-10ER26031 08/31/2013 Estep	SC-21.1	Enabling Predictive Simulation and UQ of Complex Multiphysics PDE Systems by the Development of Goal-Oriented Variational Sensitivity Analysis and A-Posteriori	102
COLORADO STATE UNIVERSITY Fort Collins, CO	DE-FG02-10ER16193 09/14/2013 Chen	SC-22.12	Catalytic Conversion of Glucose and Cellulose into HMF: From a Fundamental Understanding to Discrete and Recyclable	150
COLORADO STATE UNIVERSITY Fort Collins, CO	DE-FG02-04ER15591 10/31/2013 Elliott	SC-22.13	Transition Metal Polypyridine Complexes: Studies of Mediation in Dye-Sensitized Solar Cells and Charge Separation in Molecular Assemblies	197
COLORADO STATE UNIVERSITY Fort Collins, CO	DE-FG02-04ER15592 12/31/2013 Rocca	SC-22.11	Generation of Bright Soft X-ray Laser Beams	145
COLORADO STATE UNIVERSITY Fort Collins, CO	DE-FG02-03ER15453 10/31/2012 Finke	SC-22.12	Supported Nanocluster Catalyst Formation Kinetic and Mechanistic Fundamental Studies	163
COLORADO STATE UNIVERSITY Fort Collins, CO	DE-FG02-96ER14647 10/31/2014 Lundeen	SC-22.11	Properties of Actinide Ions from Measurements of Rydberg Ion Fine Structure	130
COLORADO STATE UNIVERSITY Fort Collins, CO	DE-FG02-08ER64629 08/14/2014 Leach	SC-23.2	An Integrated Approach to Improving Plant Biomass Production	900
COLORADO STATE UNIVERSITY Fort Collins, CO	DE-FG02-07ER64350 01/14/2013 Bedford	SC-23.2	Genetic Factors Affecting Susceptibility to Low Dose and Dose Rate Irradiation	346
COLORADO STATE UNIVERSITY Fort Collins, CO	DE-FC02-07ER54909 08/14/2013 Estep	SC-24.2	Framework Application for Core-Edge Transport Simulations (FACETS)	90
COLORADO STATE UNIVERSITY Fort Collins, CO	DE-FG02-07ER64648 08/14/2014 Wang	SC-22.23	Directed Assembly of Rod-Coil Block Copolymers by Combined External Fields	150
COLORADO STATE UNIVERSITY Fort Collins, CO	DE-FG02-11ER65285 09/14/2014 Rutledge	SC-23.1	Use of DOE SGP Radars in Support of ASR Modeling Activities	165
COLORADO STATE UNIVERSITY Fort Collins, CO	DE-FG02-10ER64987 09/14/2012 Troxell	SC-23.2	Smart Grid Simulation Laboratory	0
COLORADO STATE UNIVERSITY Fort Collins, CO	DE-FG02-09ER64774 06/14/2012 Randall	SC-23.1	Challenges for Cumulus Parameterization in a Model with O(20 to 50)km Grid Spacing	154

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COLORADO STATE UNIVERSITY Fort Collins, CO	DE-FG02-09ER64863 08/14/2012 Estep	SC-23.1	Collaborative Proposal: Transforming How Climate System Models are Used: A Global, Multi-Resolution Approach	0
COLORADO STATE UNIVERSITY Fort Collins, CO	DE-FG02-09ER64772 06/30/2012 Prenni	SC-23.1	Ice Nuclei Relation to Aerosol Properties in Mixed-Phase Clouds: Data Analysis and Model Parameterization	0
COLORADO STATE UNIVERSITY Fort Collins, CO	DE-FG02-11ER65356 09/14/2014 Randall	SC-23.1	Collaborative Project: A Flexible Atmospheric Modeling Framework for the CESM	165
UNIV. OF DENVER HEALTH SC CTR Aurora, CO	DE-FG02-11ER65310 09/14/2013 Mays	SC-23.1	Linking Deposit Morphology and Clogging in Subsurface Remediation	150
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-11ER65348 09/14/2014 Tufo	SC-23.1	A Petascale Non-Hydrostatic Atmospheric Dynamical Core in the HOMME Framework	513
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-10ER65077 09/14/2013 Monson	SC-23.1	Carbon Cycling Dynamics in Response to Pine Beetle Infection and Climate Variation	341
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-10ER65049 08/31/2012 Barnes	SC-23.2	Smart Grid Communication Security Project	0
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-11ER65171 07/31/2014 Shupe	SC-23.1	Investigations of Mixed-Phase Cloud Microphysical, Radiative, and Dynamical Processes	176
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-11ER65157 05/14/2015 Cassano	SC-23.1	Collaborative Proposal: Improving Decadal Prediction of Arctic Climate Variability and Change Using a Regional Arctic System	154
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-11ER65150 04/14/2014 Jimenez	SC-23.1	COLLABORATIVE RESEARCH: Study of Aerosol Sources and Processing at the GVAX Pantnagar Supersite	170
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-11ER65151 04/14/2014 Volkamer	SC-23.1	COLLABORATIVE RESEARCH: Study of Aerosol Sources and Processing at the GVAX Pantnagar Supersite	100
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-11ER65243 09/14/2014 Compo	SC-23.1	Collaborative Research: Developing and Implementing Ocean-Atmosphere Reanalyses for Climate Applications (OARCA)	292
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-11ER65216 08/31/2014 Sardeshmukh	SC-23.1	New Approaches for Understanding the Statistics of Daily Weather Extremes in a Changing Climate	295
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-11ER65220 09/14/2014 Barnard	SC-23.1	Carbon-Water Cycling in the Critical Zone: Understanding Ecosystem Process Variability Across Complex Terrain	220
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-11ER65227 09/14/2014 Williams	SC-23.1	Vertical Air Motions Over the Tropical Western Pacific for Validating Cloud Resolving and Regional Models	67

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				FY 2011
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-08ER46489 06/30/2013 Feldheim, Eaton	SC-22.23	RNA Mediated Evolution of Catalysts for the Production of Alternative Fuels	250
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-07ER46403 04/30/2013 Raj	SC-22.22	The Coupling Between Interfacial Charge and Mechanical Deformation at High Temperatures in Ceramics	150
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-09ER46652 09/14/2012 Murnane	SC-22.21	SISGR: Ultrafast Magnetism Dynamics Measure Using Tabletop Ultrafast EUV Sources	259
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-03ER46066 03/31/2013 Dessau	SC-22.22	Dynamics of Electronic Interactions in Superconductors and Related Materials	220
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-11ER41762 08/31/2012 Wagner	SC-25	Mosaic Diamond Detector Research	112
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-08ER54954 01/31/2014 Parker	SC-24.2	Gyrokinetic Turbulence Simulation of Turbulent Transport	175
COLORADO, UNIVERSITY OF Boulder, CO	DE-FC02-06ER54846 01/14/2012 Parker	SC-24.2	SciDAC - Center for Plasma Edge Simulation	120
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-04ER54735 12/31/2012 Cary	SC-24.2	Analysis and Direct Numerical Simulation of RF Heating Processes and Advanced Computational Methods for Fusion	110
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-11ER46797 07/14/2016 Lee	SC-22.22	Transport Studies of Quantum Magnetism: Physics and Methods	153
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-11ER46825 08/14/2014 Reznik	SC-22.21	Neutron and X-Ray Scattering Investigation of Electron-Phonon Effects in Cuprate Superconductors and Related Compounds	150
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-07ER64462 08/14/2012 Cassano	SC-23.1	Collaborative Research: Towards Advanced Understanding and Predictive Capability of Climate Change in the Arctic Using a High-Resolution Regional Climate	0
COLORADO, UNIVERSITY OF Boulder, CO	DE-FC02-11ER55103 08/31/2016 Chen	SC-24.2	Center for Nonlinear Simulation of Energetic Particles in Burning Plasmas	145
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-08ER54995 06/14/2014 Munsat	SC-24.2	Assessment of Edge Turbulence and Convective Transport Through Velocity Field Analysis	60
COLORADO, UNIVERSITY OF Boulder, CO	DE-FC02-08ER54971 02/14/2016 Parker	SC-24.2	Center for Extended Magnetohydrodynamics	52
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-08ER64661 02/28/2013 Rajaram	SC-23.1	Scale-Dependent Fracture-Matrix Interactions and their Impact on Radionuclide Transport	0

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COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-08ER64539 04/30/2012 Ervens	SC-23.1	A Study of Cloud Processing of Organic Aerosols Using Models and CHAPS Data	0
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-09ER64894 09/14/2012 Ryan	SC-23.1	Mercury Release from Natural Organic Matter (NOM), Minerals and NOM-Coated Mineral Surfaces	107
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-94ER14413 04/30/2012 Greene	SC-22.11	Physics of Correlated Systems	145
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-99ER14982 11/14/2014 Kapteyn, Murnane	SC-22.11	Molecular Dynamics Probed by Coherent Soft X-rays	170
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-99ER14990 12/31/2011 Holland	SC-22.11	Novel Light Sources Based on Ultracold Atoms in Collective Optical Cavity Systems	0
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-05ER15711 03/31/2015 Ye	SC-22.11	Cold and ultracold polar molecules--Dipolar Collisions and Anisotropic Quantum Gas	135
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-93ER14364 10/31/2011 Ellison	SC-22.11	Interfacial Oxidation of Complex Organic Molecules	0
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-04ER15613 11/14/2013 Bohn	SC-22.11	Reactive Scattering of Ultracold Molecules	68
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-02ER15346 11/30/2014 Cundiff	SC-22.11	Optical Two-dimensional Spectroscopy of Disordered Semiconductor Quantum Wells and Quantum Dots	120
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-09ER16091 09/14/2012 Schwartz	SC-22.12	SISGR: Mapping Non-Covalent Surface Functionality Using Single-Molecule Probes	220
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-09ER16103 09/14/2012 Becker	SC-22.11	SISGR: Coherent Control of Electron Dynamics	150
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-09ER16021 06/14/2012 Nesbitt	SC-22.11	Spectroscopy, Kinetics, and Dynamics of Combustion Radicals	149
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-08ER15959 06/14/2014 Michl	SC-22.12	Imaging of Conformational Changes	245
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-03ER25574 05/14/2013 Manteuffel	SC-21.1	First-Order System Least Squares, (FOSLS), for Nonlinear Systems Arising from DOE Applications	253
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-11ER16241 06/30/2012 Nesbitt	SC-22.11	The 2011 Dynamics of Molecular Collisions Meeting: July 10-15, 2011, Snowbird, Utah	10

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COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-11ER16256 08/14/2014 Michl	SC-22.13	Singlet Fission	150
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-11ER16233 07/14/2016 Templeton	SC-22.12	Defining Fe and H Speciation During Olivine Carbonation Under Highly Reducing Conditions	159
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-10ER16206 08/31/2013 Medlin	SC-22.12	Selectivity Control Through Modification of Metal Catalysts with Organic Monolayers	334
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-11ER26043 08/14/2016 Doostan	SC-21.1	An Enabling Computational Framework for Uncertainty Assimilation and Propagation in Complex PDE Systems: Sparse and	150
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-07ER15912 08/31/2013 Jonas	SC-22.13	Study of Multiple Exciton Generation with New Multi-Dimensional Spectroscopies	200
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-07ER15890 10/14/2011 Damrauer	SC-22.13	Applications to Adaptive Quantum Control to Research Questions in Solar Energy Conversion	0
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-09ER25887 08/31/2012 Cai	SC-21.1	Scalable Optimization Algorithms for Systems Governed by Multi-Physics PDEs	256
COLORADO, UNIVERSITY OF Boulder, CO	DE-FC02-06ER25784 09/14/2012 Cai, McCormick	SC-21.1	Towards Optimal Petascale Simulations (TOFS)	0
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-03ER41244 02/28/2015 Nagle	SC-26.1	Experimental Relativistic Heavy Ion Physics at the University of Colorado at Boulder	254
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-04ER41290 11/30/2012 Ford	SC-25	Elementary Particles and High Energy Phenomena, Tasks A, B, C, & T	1,611
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-04ER41317 05/31/2013 Cary	SC-25	Chaotic Dynamics and Advanced Computation for Beams and Accelerators	247
FRONT RANGE SCIENTIFIC COMP. Denver, CO	DE-FG02-07ER25814 02/28/2015 Henson	SC-21.1	Funding Proposal to Support the Annual Copper Mountain Conferences on Multigrid and Iterative Methods, Copper Mountain,	12
EOLOGICAL SURVEY, US, LAKEWOOD Lakewood, CO	DE-AI02-09ER64892 09/14/2012 Aiken	SC-23.1	Mercury Release from Organic Matter (OM) and OM-Coated Mineral Surfaces	29
LODESTAR RESEARCH CORP Boulder, CO	DE-FC02-05ER54823 03/31/2016 D'ippolito	SC-24.2	Center for Simulation of Wave Plasma Interactions	75
LODESTAR RESEARCH CORP Boulder, CO	DE-FG02-02ER54678 08/14/2014 Myra	SC-24.2	Edge and Scrape-Off-Layer Physics for NSTX	59

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LODESTAR RESEARCH CORP Boulder, CO	DE-FG02-97ER54392 10/31/2014 D'Ippolito	SC-24.2	Theoretical Research in Magnetic Energy Science	597
OF STANDARDS & TECH, BOULDER Boulder, CO	DE-AI02-09ER46671 09/14/2012 Silva	SC-22.21	SISGR: Ultrafast Magnetism Dynamics Measured Using Tabletop Ultrafast EUV	140
OF STANDARDS & TECH, BOULDER Boulder, CO	DE-AI02-10ER41701 09/14/2013 Goodrich	SC-25	Critical Current Metrology for Nb3Sn Conductor Development	53
OF STANDARDS & TECH, BOULDER Boulder, CO	DE-AI02-10ER41702 09/14/2013 Cheggour	SC-25	Electromechanical Properties of Superconductors for DOE/HEP Applications	131
ATMOS ADMIN, COMMERCE-BOULDER Boulder, CO	DE-AI02-10ER64936 02/28/2013 Feingold	SC-23.1	The Radiative Properties of Small Clouds: Multi-Scale Observation and Modeling	144
SPEC INC Boulder, CO	DE-FG02-10ER64933 09/30/2012 Lawson	SC-23.1	Synthesis of In Situ Microphysical Measurements with Remote Retrievals and Models	0
SPEC, INCORPORATED Boulder, CO	DE-FG02-11ER65207 08/31/2014 Lawson	SC-23.1	Using Statistical Comparisons Between SPARTICUS Cirrus Microphysical Measurements, Detailed Cloud Models, and	180
TECH-X CORPORATION Boulder, CO	DE-FC02-07ER41499 08/31/2012 Cary	SC-25	SciDAC: Community Petascale Project for Accelerator Science and Simulation	403
TECH-X CORPORATION Boulder, CO	DE-FC02-08ER54972 02/14/2016 Kruger	SC-24.2	Center for Extended Magnetohydrodynamic Modeling	68
TECH-X CORPORATION Boulder, CO	DE-FG02-11ER55101 08/14/2012 Pankin	SC-24.2	Investigation of ELM Dynamics with the Resonant Magnetic Perturbation Effects	74
TECH-X CORPORATION Boulder, CO	DE-FC02-06ER54875 06/30/2012 Kruger	SC-24.2	NIMROD Development and Applications for Advanced Simulations of Tokamak Plasmas	99
TECH-X CORPORATION Boulder, CO	DE-FC02-06ER54864 01/14/2013 Kruger	SC-24.2	Center for Simulation of Wave Plasma Interactions with Magnetohydrodynamics	149
TECH-X CORPORATION Boulder, CO	DE-FC02-08ER54953 03/31/2016 Smithe	SC-24.2	SciDAC Center for Simulation of Wave Plasma Interactions	85
TECH-X CORPORATION Boulder, CO	DE-FC02-07ER54907 01/14/2013 Cary	SC-24.2	Framework Application for Core-Edge Transport Simulations (FACETS)	699
TECH-X CORPORATION Boulder, CO	DE-FG02-09ER55006 02/14/2012 Smithe	SC-24.2	Non-Axisymmetric Modeling of RF in Tokamaks	95

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ITY CORP. FOR ATMOSPHERIC RES. Boulder, CO	DE-FC02-97ER62402 12/31/2012 Washington	SC-23.1	DOE/UCAR Cooperative Agreement for the Climate Change Prediction Program	3,011
ITY CORP. FOR ATMOSPHERIC RES. Boulder, CO	DE-FC02-07ER64340 12/14/2012 Gent, Collins	SC-23.1	A Scalable and Extensible Earth System Model for Climate Change Science	535
ITY CORP. FOR ATMOSPHERIC RES. Boulder, CO	DE-FG02-08ER64594 07/31/2012 Otto-Bliesner	SC-23.1	A Collaborative Proposal: Simulating and Understanding Abrupt Climate-Ecosystem Changes During Holocene With NCAR-CCSM3	0
ITY CORP. FOR ATMOSPHERIC RES. Boulder, CO	DE-FG02-08ER64574 06/14/2012 Grabowski	SC-23.1	Using Atmospheric Radiation Measurement (ARM) Observations to Validate and Improve Cloud Microphysical Schemes	0
ITY CORP. FOR ATMOSPHERIC RES. Boulder, CO	DE-FG02-08ER64575 06/14/2012 Dudhia	SC-23.1	Study of Multi-Scale Cloud Processes Over the Tropical Western Pacific Using Cloud Resolving Models Constrained by Satellite Data	0
ITY CORP. FOR ATMOSPHERIC RES. Boulder, CO	DE-FG02-11ER65140 03/14/2012 Hurrell	SC-23.1	The Interface Between Earth System Models and Impacts on Society Workshop, Spring 2011	8
ITY CORP. FOR ATMOSPHERIC RES. Boulder, CO	DE-FG02-11ER65163 07/14/2012 Hurrell	SC-23.1	2011 CESM Tutorial, August 1-5, 2011	35
ITY CORP. FOR ATMOSPHERIC RES. Boulder, CO	DE-FG02-11ER65164 08/14/2012 Sawyer	SC-23.1	WCRP Open Science Conference, October 23-29, 2011	80
ITY CORP. FOR ATMOSPHERIC RES. Boulder, CO	DE-FG02-11ER65165 08/14/2012 Sawyer	SC-23.1	Publication of Atlantic Meridional Overturning Circulation Special Issue of Deep Sea Research	10
ITY CORP. FOR ATMOSPHERIC RES. Boulder, CO	DE-FG02-11ER65182 08/14/2014 Smith	SC-23.1	Collaborative Project: Understanding the Chemical Processes That Affect Growth Rates of Freshly Nucleated Particles	257
ITY CORP. FOR ATMOSPHERIC RES. Boulder, CO	DE-FG02-11ER65172 08/31/2015 Park	SC-23.1	Collaborative Research: CRI-EaSM Multiscale Modeling Aerosol Indirect Effects on Decadal Timescales	143
ITY CORP. FOR ATMOSPHERIC RES. Boulder, CO	DE-FG02-11ER65240 09/14/2014 Gettelman	SC-23.1	Advancing Models and Evaluation of Cumulus, Climate and Aerosol Interactions	395
ITY CORP. FOR ATMOSPHERIC RES. Boulder, CO	DE-FG02-11ER65253 09/14/2014 Park	SC-23.1	Collaborative Research: Quantifying the Uncertainties of Aerosol Indirect Effects and Impacts on Decadal-Scale Climate Variability in NCAR CAM5 and CESM1	221
ITY CORP. FOR ATMOSPHERIC RES. Boulder, CO	DE-FG02-11ER65323 09/14/2014 Madronich	SC-23.1	Modeling the Explicit Chemistry of Anthropogenic and Biogenic Organic Aerosols	158
ITY CORP. FOR ATMOSPHERIC RES. Boulder, CO	DE-FG02-11ER65340 09/14/2014 Otto-Bliesner	SC-23.1	Collaborative Project: Development of an Isotope-Enabled CESM for Testing Abrupt Climate Changes	176

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ITY CORP. FOR ATMOSPHERIC RES. Boulder, CO	DE-FG02-11ER65295 09/14/2014 Hodzic	SC-23.1	Evaluation of New and Proposed Organic Aerosol Sources and Mechanisms Using the Aerosol Modeling Testbed: MILAGRO, CARES,	178
ITY CORP. FOR ATMOSPHERIC RES. Boulder, CO	DE-FG02-11ER65276 09/14/2012 O'Neill	SC-23.1	Demographic Tools for Climate Change and Environmental Assessments: A U.S. Case Study	100
ITY CORP. FOR ATMOSPHERIC RES. Boulder, CO	DE-FG02-11ER65277 09/14/2014 Neale	SC-23.1	Collaborative Project: Sensitivity of Atmospheric Parametric Formulations to Regional Mesh Refinement in Global Climate	211
ITY CORP. FOR ATMOSPHERIC RES. Boulder, CO	DE-FG02-11ER65353 09/14/2014 Lamarque	SC-23.1	Chemistry in CESM-SE: Evaluation, Performance and Optimization	335
ITY CORP. FOR ATMOSPHERIC RES. Boulder, CO	DE-FG02-11ER65354 09/14/2014 Bacmeister	SC-23.1	Collaborative Project: Physics and Dynamics Coupling Across Scales in the Next Generation CESM: Meeting the	207
ITY CORP. FOR ATMOSPHERIC RES. Boulder, CO	DE-FG02-11ER65357 09/14/2014 Gettelman	SC-23.1	Collaborative Project: A Flexible Atmospheric Modeling Framework for the CESM	80
ITY CORP. FOR ATMOSPHERIC RES. Boulder, CO	DE-FG02-11ER65345 09/14/2014 Gochis	SC-23.1	Collaborative Project: Development of Hybrid 3-D Hydrological Modeling for the NCAR Community Earth System Model (CESM)	60
ITY CORP. FOR ATMOSPHERIC RES. Boulder, CO	DE-FG02-11ER65349 09/14/2014 Small	SC-23.1	Collaborative Project: Ocean-Atmosphere Interaction from Meso to Planetary Scale: Mechanisms, Parameterization and Variability	151
ITY CORP. FOR ATMOSPHERIC RES. Boulder, CO	DE-FG02-11ER65359 09/14/2014 Lindsay	SC-23.1	Collaborative Project: Improving CESM Efficiency to Study Variable C:N:P Stoichiometry in the Oceans	23
ITY CORP. FOR ATMOSPHERIC RES. Boulder, CO	DE-FG02-11ER65360 09/14/2014 Grabowski	SC-23.1	Multiscale Simulation of Moist Global Atmospheric Flows	200
ITY CORP. FOR ATMOSPHERIC RES. Boulder, CO	DE-FG02-11ER65361 09/14/2014 Bryan	SC-23.1	Collaborative Project: Improving the Representation of Coastal and Estuarine Processes in Earth System Models	158
Total for CO :				25,372

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CONNECTICUT STATE UNIVERSITY Hartford, CT	DE-FG02-10CH20007 06/30/2012 Bermudez	SC-23	Connecticut State University System Initiative for Nanotechnology-Related Equipment, Faculty Development and Curriculum Development	0
CONNECTICUT STATE UNIVERSITY Hartford, CT	DE-FG02-11ER65126 02/28/2013 Bermudez	SC-23.2	Connecticut State University System Initiative for Nanotechnology	80
CONNECTICUT, UNIVERSITY OF Storrs, CT	DE-FG02-11ER65363 09/14/2014 Whitney	SC-23.1	Collaborative Project: Improving the Representation of Coastal and Estuarine Processes in Earth System Models	120
CONNECTICUT, UNIVERSITY OF Storrs, CT	DE-FG02-00ER45801 12/31/2014 Wells	SC-22.22	Charge Inhomogeneity in Correlated Electron Systems	98
CONNECTICUT, UNIVERSITY OF Storrs, CT	DE-FG02-10ER46774 08/31/2013 Gokirmak	SC-22.22	Crystallization and Thermoelectric Transport in Silicon Microstructures and Nanostructures Under Extreme Electrical Stress	128
CONNECTICUT, UNIVERSITY OF Storrs, CT	DE-FG02-10ER46766 04/14/2014 Huey	SC-22.21	Switching in Solid State Memories via Nucleation and Growth Mechanisms: Causes and Effects at the Nanometer and	140
CONNECTICUT, UNIVERSITY OF Storrs, CT	DE-FG02-09ER46562 03/31/2014 Huang	SC-22.23	Control of New Kinetic Barriers and Design of Nanorods	170
CONNECTICUT, UNIVERSITY OF Storrs, CT	DE-FG02-86ER13622 11/30/2012 Suib	SC-22.12	Synthesis of Porous Nano-size Catalysts for Activation of CO2 and Selective Oxidations	140
CONNECTICUT, UNIVERSITY OF Storrs, CT	DE-FG02-92ER14263 03/31/2013 Gould	SC-22.11	Experiments in Ultracold Collisions and Ultracold Molecules	125
CONNECTICUT, UNIVERSITY OF Storrs, CT	DE-FG02-05ER15734 10/31/2014 Cote	SC-22.11	Formation of Ultracold Molecules	102
CONNECTICUT, UNIVERSITY OF Storrs, CT	DE-FG02-10ER16200 08/31/2013 Mustain	SC-22.12	Understanding the Effects of Surface Chemistry and Microstructure on the Activity and Stability of Pt Electrocatalysts on Non-Carbon Supports	160
CONNECTICUT, UNIVERSITY OF Storrs, CT	DE-FG02-95ER20203 07/14/2013 Reiter	SC-22.13	Regulation of Xyloglucan Galactosylation in Arabidopsis	310
CONNECTICUT, UNIVERSITY OF Storrs, CT	DE-FG02-94ER40870 04/14/2013 Gai	SC-26.1	Studies in Low Energy Nuclear Physics	177
CONNECTICUT, UNIVERSITY OF Storrs, CT	DE-FG02-92ER40716 11/30/2012 Dunne	SC-25	Investigations in Particle and Field Theory	265
CONNECTICUT, UNIVERSITY OF Storrs, CT	DE-FG02-04ER41309 04/14/2013 Joo	SC-26.1	Medium Energy Nuclear Physics Experiment at Jefferson Lab	250

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FAIRFIELD UNIVERSITY Fairfield, CT	DE-FG02-11ER41760 08/31/2013 Winn	SC-25	Secondary Emission Sampling Calorimetry Sensor Development	59
L SURVEY, US, STORRS MANSFIELD Storrs Mansfield, CT	DE-AI02-09ER64835 08/31/2012 Day-Lewis	SC-23.1	Geoelectrical Measurement of Multi-Scale Mass Transfer Parameters	64
YALE UNIVERSITY New Haven, CT	DE-FG02-11ER65334 09/14/2014 Fedorov	SC-23.1	A Generalized Stability Analysis of the AMOC in Earth System Models: Implication for Decadal Variability and Abrupt Climate	123
YALE UNIVERSITY New Haven, CT	DE-FG02-07ER15909 02/28/2014 Brudvig	SC-22.13	Oxomanganese Catalysts for Solar Fuel Production	580
YALE UNIVERSITY New Haven, CT	DE-FG02-06ER15834 09/14/2012 Schwarz	SC-22.11	Atomic Resolution Imaging and Quantification of Chemical Functionality of Surfaces	140
YALE UNIVERSITY New Haven, CT	DE-FG02-06ER15800 06/30/2012 Johnson	SC-22.11	Coordinating experiment and theory to understand how excess electrons are accomodated by water networks through model studies in the cluster regime	105
YALE UNIVERSITY New Haven, CT	DE-FG02-91ER40608 12/31/2012 Iachello, Alhassid	SC-26.1	Nuclear Theory	427
YALE UNIVERSITY New Haven, CT	DE-FG02-91ER40609 12/31/2012 Baker	SC-26.1	Nuclear Physics - Experimental Research	1,522
YALE UNIVERSITY New Haven, CT	DE-FG02-92ER40704 10/31/2013 Tipton, Sandweiss	SC-25	High Energy Physics Research, Tasks A, B, C, D, F, G, K and J	2,275
YALE UNIVERSITY New Haven, CT	DE-FG02-07ER41504 08/31/2013 Hirshfield	SC-25	Ka-Band Test Facility for High-Gradient Accelerator R&D	309
YALE UNIVERSITY New Haven, CT	DE-FG02-10ER41685 12/31/2012 Harris	SC-26.1	Relativistic Heavy Ion Physics	1,161
YALE UNIVERSITY New Haven, CT	DE-FG02-98ER20311 08/31/2013 Soll	SC-22.13	Engineering Selenoproteins for Enhanced Hydrogen Production	165
YALE UNIVERSITY New Haven, CT	DE-FG02-05ER15741 11/30/2012 Wettlaufer	SC-22.12	Freezing in Porous Media: Phase Behavior, Dynamics and Transport Phenomena	0
YALE UNIVERSITY New Haven, CT	DE-FG02-05ER15646 03/31/2012 Brudvig	SC-22.13	Carotenoid Function in Natural Photosynthetic Systems	159
YALE UNIVERSITY New Haven, CT	DE-FG02-05ER15677 12/31/2015 Tully	SC-22.11	The Role of Electronic Excitations on Chemical Reaction Dynamics at Metal, Semiconductor, and Nanoparticle Surfaces	175

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YALE UNIVERSITY New Haven, CT	DE-FG02-05ER15714 01/31/2015 DeMille	SC-22.11	Production and Study of Ultracold Molecules	135
YALE UNIVERSITY New Haven, CT	DE-FG02-98ER14882 07/14/2014 Altman	SC-22.12	Structure-Reactivity Relationships in Multi-Component Transition Metal Oxide Catalysts	160
YALE UNIVERSITY New Haven, CT	DE-FG02-84ER13297 11/30/2014 Crabtree	SC-22.12	Moving to Sustainable Metals: Multifunctional Ligands in Catalytic, Outer Sphere C-H, N-H and O-H Activation	150
YALE UNIVERSITY New Haven, CT	DE-FG02-88ER13966 02/28/2015 Smooke, Long	SC-22.11	Computational and Experimental Study of Laminar Flames	102
YALE UNIVERSITY New Haven, CT	DE-FG02-01ER15183 10/31/2012 Haller	SC-22.12	Structured Carbon Supports for Aqueous Phase Reforming and Fuel Cell Catalysts	160
YALE UNIVERSITY New Haven, CT	DE-FG02-10ER46705 05/31/2013 Mochrie	SC-22.21	Dynamics of Block Copolymer Nanocomposites	188
YALE UNIVERSITY New Haven, CT	DE-FG02-10ER46770 08/31/2013 Schroers	SC-22.22	Using Artificial Microstructures to Understand Microstructure Property Relationship-Toughening Mechanisms in Metallic Glass	110
YALE UNIVERSITY New Haven, CT	DE-FG02-09ER46596 08/14/2012 Han	SC-22.23	Science of Heteroepitaxy for Energy-Efficient Lighting	170
YALE UNIVERSITY New Haven, CT	DE-FG02-08ER46482 12/31/2012 Glazman	SC-22.22	Electron Coherence and Interactions in Nanostructures	175
YALE UNIVERSITY New Haven, CT	DE-FG02-08ER46541 08/31/2014 DeMille	SC-22.22	Non-Equilibrium Dynamics of Many-Body Quantum Systems: Fundamentals and New Frontiers	92
YALE UNIVERSITY New Haven, CT	DE-FG02-11ER41737 07/14/2016 Demers	SC-25	Taus and the Trigger for Discovery at ATLAS	150
YALE UNIVERSITY New Haven, CT	DE-FG02-11ER41768 08/31/2012 Fleming	SC-26.1	Conference on the Intersections of Particle and Nuclear Physics, May 29 - June 3, 2012	10
YALE UNIVERSITY New Haven, CT	DE-FG02-04ER63892 12/14/2012 Smith	SC-23.1	Bridging the Divide: Linking Genomics to Ecosystem Responses to Climate Change	199
Total for CT :				11,330

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands)
				FY 2011
RICAN SOCIETY FOR MICROBIOLOGY Washington, DC	DE-FG02-11ER65372 09/14/2012 Harwood	SC-23.2	4th ASM Conference on Cell-Cell Communication in Bacteria	10
CARNEGIE INST OF WASHINGTON Washington, DC	DE-FG02-07ER64427 06/30/2012 Grossman	SC-23.2	Filling Knowledge Gaps in Biological Networks: Integrated Global Approaches to Understand H2 Metabolism in Chlamydomonas Reinhardtii	0
CARNEGIE INST OF WASHINGTON Washington, DC	DE-FG02-99ER45775 01/31/2015 Mao	SC-22.21	HPCAT -- An Integrated High-Pressure Facility at the Advanced Photon Source	1,087
CARNEGIE INST OF WASHINGTON Washington, DC	DE-FG02-02ER45955 11/30/2013 Struzhkin	SC-22.21	Magnetic and Superconducting Materials at High Pressures	149
CARNEGIE INST OF WASHINGTON Washington, DC	DE-FG02-06ER46280 12/31/2012 Somayazulu	SC-22.21	Novel Molecular Materials for Hydrogen Storage Applications	277
CARNEGIE INST OF WASHINGTON Washington, DC	DE-FG02-09ER46574 07/31/2014 Mao	SC-22.22	Center for Energy Frontier Research in Extreme Environments (EFree) -- EFRC	3,000
CARNEGIE INST OF WASHINGTON Washington, DC	DE-FG02-08ER15973 08/31/2013 Wang	SC-22.13	Proteomic Study of Brassinosteroid Responses in Arabidopsis	159
CARNEGIE INST OF WASHINGTON Washington, DC	DE-FG02-04ER15542 04/14/2014 Frommer	SC-22.13	Intergration of sugar transport, metabolism and sensing in Arabidopsis: Optimizing energy efficiency in plants- Evaluating and targeting leaks.	190
GEORGE WASHINGTON UNIVERSITY Washington, DC	DE-FG02-06ER41422 03/31/2012 Feldman	SC-26.1	Low-Energy Photonic Studies at HIGS and Lund	213
GEORGE WASHINGTON UNIVERSITY Washington, DC	DE-FG02-95ER40901 06/30/2012 Feldman	SC-26.1	A Program in Medium Energy Nuclear Physics	143
GEORGE WASHINGTON UNIVERSITY Washington, DC	DE-FG02-95ER40907 01/31/2013 Lee	SC-26.1	Nuclear Physics Calculations from QCD and EFT	170
GEORGE WASHINGTON UNIVERSITY Washington, DC	DE-FG02-01ER15129 01/14/2013 Vertes	SC-22.12	Nanophotonic and Atmospheric Pressure Ion Production in Imaging Mass Spectrometry	355
GEORGE WASHINGTON UNIVERSITY Washington, DC	DE-FG02-02ER15366 06/30/2012 Teng	SC-22.12	Interface Induced Carbonate Mineralization: A Fundamental Geochemical Process Relevant to Carbon Sequestration	102
GEORGE WASHINGTON UNIVERSITY Washington, DC	DE-FG02-05ER15736 11/30/2012 Cahill	SC-22.12	Control of Hydrothermal UO ₂ N ⁺ Systems: A Solution Phase Approach to New Solid State Materials	100
GEORGE WASHINGTON UNIVERSITY Washington, DC	DE-FG02-09ER55041 08/14/2012 Keidar	SC-24.2	Mechanism of Synthesis of Ultra-Long Single Wall Carbon Nanotubes in Arc Discharge Plasma	60

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2011
GEORGE WASHINGTON UNIVERSITY Washington, DC	DE-FG02-99ER41110 05/31/2014 Briscoe	SC-26.1	Data Analysis Center for Electromagnetic and Hadronic Scattering Processes	640
GEORGETOWN UNIVERSITY Washington, DC	DE-FG02-09ER64790 08/31/2012 Fornace	SC-23.2	A Metabolomics and Mouse Models Approach to Study Inflammatory and Immune Responses to Radiation	641
GEORGETOWN UNIVERSITY Washington, DC	DE-FG02-08ER46542 08/31/2014 Freericks	SC-22.22	Time-resolved Photoemission, Transmissivity, X-Ray Absorption Spectroscopy and Resonant Inelastic X-Ray Scattering in Strongly Correlated	90
GEORGETOWN UNIVERSITY Washington, DC	DE-FG02-07ER15895 08/14/2013 Tong	SC-22.12	In-Situ NMR/IR/Raman and Ab Initital DFT Investigations of Pt-Based Mono- & Bi-Metallic Nanoscale Electro-Catalysts:	170
HOWARD UNIVERSITY Washington, DC	DE-FG02-94ER40854 05/31/2012 Hubsch	SC-25	Superstrings and Quantum Superfields	23
NATIONAL ACADEMY OF SCIENCES Washington, DC	DE-FG02-11ER46815 02/28/2013 Shapero	SC-22.22	The Current Status and Future Direction of High Magnetic Field Study in the United States	142
NATIONAL ACADEMY OF SCIENCES Washington, DC	DE-FG02-09ER41632 02/28/2013 Shapero	SC-26.1	An Assessment and Outlook for Nuclear Physics	0
NATIONAL ACADEMY OF SCIENCES Washington, DC	DE-AT01-07ER54947 07/25/2012 Shapero	SC-24.2	Plasma Science Committee	0
NATIONAL ACADEMY OF SCIENCES Washington, DC	DE-FG02-11ER46790 04/30/2012 Arrison	SC-22.21	Responsible Science: Ensuring the Integrity of the Research Process	150
NATIONAL ACADEMY OF SCIENCES Washington, DC	DE-FG02-11ER46788 08/31/2012 Chamot	SC-22.22	Harnessing Light: Capitalizing on Optical Science Trends and Challenges for Future Research	50
NATIONAL ACADEMY OF SCIENCES Washington, DC	DE-FG02-96ER45554 08/14/2012 Shapero	SC-22.22	Partial Support of the Condensed Matter and Materials Research Committee	65
NATIONAL ACADEMY OF SCIENCES Washington, DC	DE-FG02-09ER16071 12/31/2011 Zolandz	SC-22.12	Research Frontiers in Bioinspired Energy: Molecular-Level Learning from Natural Systems: A Workshop	0
NATIONAL ACADEMY OF SCIENCES Washington, DC	DE-FG02-11ER16267 11/30/2012 Zolandz	SC-22.13	Assessing the Importance and Impact of Glycomics and Glycosciences Phase II	75
NATIONAL ACADEMY OF SCIENCES Washington, DC	DE-FG02-08ER15953 06/28/2014 Shapero	SC-22.11	Partial Support of the Committee of Atomic, Molecular, and Optical Sciences	50
NATIONAL ACADEMY OF SCIENCES Washington, DC	DE-FG02-11ER35919 04/14/2012 Merrill	SC-2	Measuring Economic and Other Returns on Federal Research Investments: A Workshop, Spring 2011	50

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2011
NATIONAL ACADEMY OF SCIENCES Washington, DC	DE-FG02-07ER15872 12/14/2013 Zolandz	SC-22.12	Board on Chemical Sciences and Technology and Chemical Sciences Roundtable	315
NATIONAL ACADEMY OF SCIENCES Washington, DC	DE-FG02-07ER15915 08/31/2013 De Souza	SC-22.12	Board on Earth Sciences and Resources and its Activities	100
NATIONAL ACADEMY OF SCIENCES Washington, DC	DE-FG02-11ER26046 08/31/2014 Weidman	SC-21.1	Partial Support of the Meeting of the Board on Mathematical Sciences and Their Applications	75
NATIONAL ACADEMY OF SCIENCES Washington, DC	DE-FG02-08ER25840 09/29/2012 Eisenberg	SC-21.1	Core Research Activities and Studies of the Computer Science and Telecommunications Board	0
NATIONAL ACADEMY OF SCIENCES Washington, DC	DE-FG02-08ER41542 09/29/2012 Shapero	SC-25	Astronomy and Astrophysics Survey 2010	0
NATIONAL ACADEMY OF SCIENCES Washington, DC	DE-FG02-05ER41400 08/14/2012 Shapero	SC-25	Partial Core Support of the Board on Physics and Astronomy	0
NATIONAL ACADEMY OF SCIENCES Washington, DC	DE-FG02-10ER65072 08/31/2012 Elfring	SC-23.1	A National Strategy for Advancing Climate Modeling	125
DEPT OF, WASHINGTON NAVY YARD Washington, DC	DE-AI02-11ER55084 04/30/2014 Lukin	SC-24.2	Relaxation of Three-Dimensional Magnetic Structures: SSX (Swarthmore Spheromak eXperiment) Experiments and Experimentally-Validated Simulations	43
DEPT OF, WASHINGTON NAVY YARD Washington, DC	DE-AI02-11ER55085 04/30/2014 Lukin	SC-24.2	Proposal for the Plasma Science and Innovation Center (PSI-Center) at Washington, Wisconsin, and Utah State	55
DEPT OF, WASHINGTON NAVY YARD Washington, DC	DE-AI02-01ER41170 07/14/2013 Gold	SC-25	Development and Testing of Advanced Accelerator Structures and Technologies at 11.424 GHz	250
DEPT OF, WASHINGTON NAVY YARD Washington, DC	DE-AI02-93ER40797 04/30/2012 Sprangle	SC-25	High Energy Laser-Driven Acceleration Based on the Laser Wake-Field Accelerator: Theory, Simulations, and Experiments	375
DEPT OF, WASHINGTON NAVY YARD Washington, DC	DE-AI02-10ER64968 05/31/2013 Ringelisen	SC-23.1	Mechanisms for Electron Transfer through Pili to Fe(III) Oxide in Geobacter	155
STATE, U.S. DEPARTMENT OF Washington, DC	DE-AI01-99ER54545 05/10/2012 Hufford	SC-24.2	Authentication of International Agreements and Translation Services	0

Total for DC :

9,654

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Listing of Active Awards for State (DE)

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2011
DELAWARE, UNIVERSITY OF Newark, DE	DE-FG02-07ER15921 02/14/2012 Lobo	SC-22.12	Novel Photocatalysts With One- and Two-Dimensional Nanostructures	0
DELAWARE, UNIVERSITY OF Newark, DE	DE-FG02-11ER26047 08/14/2013 Plechac	SC-21.1	Multiscale Mathematics for Biomass Conversion to Renewable Hydrogen	153
DELAWARE, UNIVERSITY OF Newark, DE	DE-FG02-91ER40626 04/30/2012 Shafi	SC-25	Particle Theory and Cosmology	433
DELAWARE, UNIVERSITY OF Newark, DE	DE-FG02-03ER15468 09/14/2012 Lobo, Barteau	SC-22.12	From First Principles Design to Realization of Bimetallic Catalysts for Enhanced Selectivity	680
DELAWARE, UNIVERSITY OF Newark, DE	DE-FG02-05ER15688 08/14/2014 Chen	SC-22.12	Dedicated Beamline Facilities for Catalytic Research - Synchrotron Catalysis Consortium (SCC)	560
DELAWARE, UNIVERSITY OF Newark, DE	DE-FG02-00ER15104 11/14/2012 Chen	SC-22.12	Structure-Property Relationship in Metal Carbides and Bimetallic Alloys	135
DELAWARE, UNIVERSITY OF Newark, DE	DE-FG02-92ER14273 08/31/2012 Theopold	SC-22.12	Catalysis of Small Molecule Activation by Proton Coupled Electron Transfer	160
DELAWARE, UNIVERSITY OF Newark, DE	DE-FG02-11ER16244 06/14/2012 Meyers	SC-22.13	22nd International Conference on Arabidopsis Research 2011, June 22-25, 2011	9
DELAWARE, UNIVERSITY OF Newark, DE	DE-FG02-05ER25702 08/14/2012 Vlachos	SC-21.1	Multiscale Modeling of Spatially Distributed Biological Systems	184
DELAWARE, UNIVERSITY OF Newark, DE	DE-FG02-07ER46374 06/30/2013 Xiao	SC-22.21	Center for Spintronics and Biodetection	690
DELAWARE, UNIVERSITY OF Newark, DE	DE-FG02-90ER45413 06/18/2013 Hadjipanayis	SC-22.22	Fundamental Studies of High-Anisotropy Nanomagnets	84
DELAWARE, UNIVERSITY OF Newark, DE	DE-FG02-03ER46038 02/14/2015 Glyde	SC-22.21	Neutron Scattering Studies of Classical and Quantum Fluids in Nanoporous Media	150
DELAWARE, UNIVERSITY OF Newark, DE	DE-FG02-09ER46626 08/14/2012 Furst	SC-22.21	Directed Self-Assembly of Nanodispersions	15
DELAWARE, UNIVERSITY OF Newark, DE	DE-FG02-09ER46627 08/14/2012 Bobev	SC-22.21	Synthesis and Structure Characterization of Novel Intermetallic Clathrates-Prospective Materials for	15
DELAWARE, UNIVERSITY OF Newark, DE	DE-FG02-10ER46756 08/14/2014 Hertz	SC-22.23	Improved Electrochemical Performance of Strained Lattice Electrolytes via Modulated Doping	137

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2011
DELAWARE, UNIVERSITY OF Newark, DE	DE-FG02-09ER46561 03/31/2012 Mackay	SC-22.23	Nanoparticles Stabilize Thin Polymer Films: A Fundamental Study to Understand the Phenomenon	175
DELAWARE, UNIVERSITY OF Newark, DE	DE-FG02-11ER46816 07/31/2014 DeCamp	SC-22.21	Picosecond X-ray Diagnostics for Third and Fourth Generation Synchrotron Sources	185
DELAWARE, UNIVERSITY OF Newark, DE	DE-FG02-07ER64450 08/31/2013 Green	SC-23.2	Genome-wide Analysis of miRNA Targets in Brachypodium and Biomas Energy Crops	295
DELAWARE, UNIVERSITY OF Newark, DE	DE-FG02-11ER65257 08/31/2014 Papoutsakis	SC-23.2	Experimental Systems-Biology Approaches for Clostridia-Based Bioenergy Production	749
DELAWARE, UNIVERSITY OF Newark, DE	DE-FG02-11ER65248 09/14/2013 Chan	SC-23.1	The Effects of Fe- and S-Oxidizing Microorganisms on Post-Biostimulation Permeability Reduction and Oxidative	150
Total for DE :				4,959

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2011
ULTURE, U.S. DEPT. OF, ARS-SAA Canal Point, FL	DE-AI02-11ER65365 09/14/2014 Glynn	SC-23.2	Discovering the Desirable Alleles Contributing to the Lignocellulosic Biomass Traits in Saccharum Germplasm Collections for Energy Cane Improvement	102
CENTRAL FLORIDA, UNIVERSITY OF Orlando, FL	DE-FG02-07ER15842 09/14/2012 Rahman	SC-22.12	Controlling Structural, Electronic, and Energy Flow Dynamics of Catalytic Processes Through Tailored Nanostructures	640
CENTRAL FLORIDA, UNIVERSITY OF Orlando, FL	DE-FG02-08ER15995 08/14/2014 Roldan-Cuenya	SC-22.12	Size- and Shape-Selected Micellar Metal nanoparticles ad Model Systems for Structure-Sensitive Chemical Reactions: Oxidation State Effects	160
CENTRAL FLORIDA, UNIVERSITY OF Orlando, FL	DE-FG02-11ER16243 01/31/2015 Kara	SC-22.11	Electronic structure of an organic/metal interface: Pentacene/Cu(110)	59
CENTRAL FLORIDA, UNIVERSITY OF Orlando, FL	DE-FG02-07ER46354 01/14/2012 Rahman	SC-22.22	Theoretical and Computational Studies of Characteristics of Metallic Nanoalloys	111
CENTRAL FLORIDA, UNIVERSITY OF Orlando, FL	DE-FG02-07ER64455 07/31/2012 Winterhalter	SC-23.1	The Response of a Seasonal Ectotherm (Allenemobius Socius) to Global Warming	0
CENTRAL FLORIDA, UNIVERSITY OF Orlando, FL	DE-FG02-10ER64952 05/31/2013 Campiglia	SC-23.1	Field Deployable, Nano-Sensing Approach for Real-Time Detection of Free Mercury, Speciation and Quantification in Surface Stream Waters and Groundwater	170
FLORIDA A&M UNIVERSITY Tallahassee, FL	DE-FG02-96ER40998 07/31/2012 Williams	SC-25	Electron Beam Transport in Advanced Plasma Wave Accelerators	101
FLORIDA A&M UNIVERSITY Tallahassee, FL	DE-FG02-97ER54417 06/30/2013 Mezonlin	SC-24.2	Laser Induced Fluorescence and Neutral Particle Analyses for Ion Temperature Determinations	156
FLORIDA A&M UNIVERSITY Tallahassee, FL	DE-FG02-03ER54725 08/14/2012 Appartaim	SC-24.2	Dynamics of X-pinches Powered by a Capacitor Bank	99
FLORIDA A&M UNIVERSITY Tallahassee, FL	DE-FG02-09CH11562 12/31/2011 Weatherford, Johnson	SC-23	Florida A&M University (FAMU) Spheromak Turbulent Plasma Experiment (STPX) in Collaboration with West Virginia University	0
FLORIDA INSTITUTE OF TECH. Melbourne, FL	DE-FG02-03ER41264 05/31/2012 Baarmand	SC-25	Experimental Investigation of Hadron Collisions at the Highest Center-of-Mass Energies	199
FLORIDA INTERNATIONAL UNIV. Miami, FL	DE-FG02-01ER41172 04/14/2013 Sargsian	SC-26.1	Theoretical Studies of High Energy Electronuclear Processes	72
FLORIDA INTERNATIONAL UNIV. Miami, FL	DE-FG02-04ER15570 10/31/2013 Mebel	SC-22.11	Theoretical studies of chemical reactions related to the formation and growth of polycyclic aromatic hydrocarbons and	110
FLORIDA INTERNATIONAL UNIV. Miami, FL	DE-FG02-09ER55045 08/14/2012 Boeglin	SC-24.2	A Fast Proton Diagnostic for NSTX	109

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2011
FLORIDA INTERNATIONAL UNIV. Miami, FL	DE-FG02-07ER46461 08/14/2013 Chen	SC-22.21	Influence of Pressure on Physical Property of Ammonia Borane and its Re-Hydrogenation	245
FLORIDA INTERNATIONAL UNIV. Miami, FL	DE-FG02-99ER41065 01/31/2014 Reinhold, Boeglin, Markowitz, Raue	SC-26.1	Nuclear Physics Research at Jefferson Lab	500
FLORIDA INTERNATIONAL UNIV. Miami, FL	DE-FG02-09ER64737 04/30/2012 Zhu	SC-23.1	ARM Observations for the Development and Evaluation of Models and Parameterizations of Cloudy Boundary Layers	82
FLORIDA STATE UNIVERSITY Tallahassee, FL	DE-FG02-09ER64865 08/14/2012 Gunzburger	SC-23.1	Collaborative Proposal: Transforming How Climate System Models are Used: A Global, Multi-Resolution Approach to Regional Ocean Modeling	0
FLORIDA STATE UNIVERSITY Tallahassee, FL	DE-FG02-09ER64744 04/30/2013 Ye	SC-23.1	Mult-Scale Assessment of Prediction Uncertainty in Coupled Reactive Transport Models	66
FLORIDA STATE UNIVERSITY Tallahassee, FL	DE-FG02-07ER46451 11/30/2013 Smirnov	SC-22.22	Infrared Optical Study of Graphene in High Magnetic Fields	140
FLORIDA STATE UNIVERSITY Tallahassee, FL	DE-FG02-08ER46494 05/31/2012 El-Azab	SC-22.22	Statistical Mechanics Modeling of Mesoscale Deformation in Metals	0
FLORIDA STATE UNIVERSITY Tallahassee, FL	DE-FG02-09ER46634 09/14/2012 Balicas	SC-22.22	SISGR - High Magnetic Fields as a Probe to Unveil the Physical Properties of the Newly Discovered Fe Oxypnictide Superconductors and Related Compounds	150
FLORIDA STATE UNIVERSITY Tallahassee, FL	DE-FG02-97ER45639 07/31/2014 Bonesteel	SC-22.22	Correlated Electrons in Reduced Dimensions	70
FLORIDA STATE UNIVERSITY Tallahassee, FL	DE-FG02-05ER46212 06/30/2014 Engel	SC-22.22	Microwave Spectroscopy of Electron Solids: Fractional Quantum Hall Effect and Controlled Disorder	135
FLORIDA STATE UNIVERSITY Tallahassee, FL	DE-FG02-06ER54881 06/30/2014 Lee	SC-24.2	Understanding and Development of High Field Superconductors for Fusion	90
FLORIDA STATE UNIVERSITY Tallahassee, FL	DE-FG02-97ER41022 04/30/2013 Prosper, Owens	SC-25	High Energy Physics	979
FLORIDA STATE UNIVERSITY Tallahassee, FL	DE-FG02-07ER64432 07/14/2012 Gunzburger	SC-23.1	New Grid and Discretization Technologies for Ocean and Ice Simulations	0
FLORIDA STATE UNIVERSITY Tallahassee, FL	DE-FG02-92ER40735 10/31/2013 Eugenio	SC-26.1	Experimental Hadronic Nuclear Physics	314
FLORIDA STATE UNIVERSITY Tallahassee, FL	DE-FG02-96ER40952 01/31/2014 Van Sciver	SC-25	Liquid Helium Fluid Dynamics Studies	225

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2011
FLORIDA STATE UNIVERSITY Tallahassee, FL	DE-FG02-02ER41220 07/14/2014 Wiedenhoever	SC-26.1	Spectroscopy of Resonances in the Astrophysical rp-Process Path	64
FLORIDA STATE UNIVERSITY Tallahassee, FL	DE-FG02-92ER40750 03/14/2013 Piekarewicz	SC-26.1	From Quarks to the Cosmos	250
FLORIDA STATE UNIVERSITY Tallahassee, FL	DE-FG02-07ER41451 03/31/2014 Larbalestier	SC-25	High Field Superconductor Development and Understanding	610
FLORIDA STATE UNIVERSITY Tallahassee, FL	DE-FG02-09ER41629 08/31/2012 Roberts	SC-26.1	Research in Hadron Physics	120
FLORIDA STATE UNIVERSITY Tallahassee, FL	DE-FG02-10ER26035 12/31/2013 Gunzburger	SC-21.1	Mathematical and Numerical Analyses of Peridynamics for Multiscale Materials Modeling	150
FLORIDA, UNIVERSITY OF Gainesville, FL	DE-FG02-09ER25913 08/31/2012 Sanders	SC-21.1	Super Instruction Architecture for Scalable Parallel Computations	207
FLORIDA, UNIVERSITY OF Gainesville, FL	DE-FG02-03ER15484 03/14/2013 Schanze, Reynolds, Kleiman	SC-22.13	Conjugated Polymers and Polyelectrolytes in Solar Photoconversion	385
FLORIDA, UNIVERSITY OF Gainesville, FL	DE-FG02-03ER15478 08/31/2012 Weaver	SC-22.12	Growth and Reactivity of Oxide Phases on Crystalline Pd and Pt Surfaces	200
FLORIDA, UNIVERSITY OF Gainesville, FL	DE-FG02-05ER15650 07/14/2014 Maupin-Furlow	SC-22.13	Ubiquitin-like Proteins in Protein-conjugation and Sulfur-transfer in Archaea	282
FLORIDA, UNIVERSITY OF Gainesville, FL	DE-FG02-98ER14853 08/31/2012 Ladd	SC-22.12	Multiscale Modeling of Dissolution in Rough Fractures	92
FLORIDA, UNIVERSITY OF Gainesville, FL	DE-FG02-08ER64585 06/14/2012 Hatfield	SC-23.1	Novel Sensor for the In Situ Measurement of Uranium Fluxes	0
FLORIDA, UNIVERSITY OF Gainesville, FL	DE-FG02-97ER41029 06/30/2013 Yelton	SC-25	High Energy Experimental and Theoretical Research	2,379
FLORIDA, UNIVERSITY OF Gainesville, FL	DE-FG02-11ER46798 07/14/2016 Chen	SC-22.22	Prediction of Thermal Transport Properties of Materials with Microstructural Complexity	151
FLORIDA, UNIVERSITY OF Gainesville, FL	DE-FG02-05ER46247 08/31/2012 Yelton, Tanner	SC-22.22	Collective behaviors of the Casimir force in micromechanical systems	0
FLORIDA, UNIVERSITY OF Gainesville, FL	DE-FG02-05ER46236 08/31/2014 Hirschfeld	SC-22.22	Theory of Novel Superconductors	105

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2011
FLORIDA, UNIVERSITY OF Gainesville, FL	DE-FG02-99ER45748 01/31/2014 Andraka	SC-22.22	Heavy Fermions, Quantum Criticality, and Unconventional Superconductivity in Filled Skutterudites and Related Materials	108
FLORIDA, UNIVERSITY OF Gainesville, FL	DE-FG02-02ER45984 05/14/2012 Tanner	SC-22.22	Time-resolved Synchrotron Studies of Spin and Charge Dynamics in Solids	165
FLORIDA, UNIVERSITY OF Gainesville, FL	DE-FG02-02ER45995 11/30/2014 Cheng	SC-22.22	A Computational Approach to Complex Junctions and Interfaces	220
FLORIDA, UNIVERSITY OF Gainesville, FL	DE-FG02-86ER45268 11/30/2012 Stewart	SC-22.22	Fe Pnictide and f-Electron Novel Materials/Magnetism, Superconductivity, and Quantum Criticality	150
FLORIDA, UNIVERSITY OF Gainesville, FL	DE-FG02-09ER46611 08/31/2013 Trickey	SC-22.22	TMS: Orbital-Free Quantum Simulation Methods for Application to Warm Dense Matter	425
FLORIDA, UNIVERSITY OF Gainesville, FL	DE-FG02-07ER46464 05/31/2013 So	SC-22.23	Luminescence in Conjugated Molecular Materials Under Sub-Bandgap Excitations	160
FLORIDA, UNIVERSITY OF Gainesville, FL	DE-FG02-11ER65200 09/14/2014 Schuur	SC-23.1	Effects of Warming the Deep Soil and Permafrost on Ecosystem Carbon Balance in Alaskan Tundra: A Coupled Measurement and	349
FLORIDA, UNIVERSITY OF Gainesville, FL	DE-FG02-11ER65214 09/14/2014 Wang	SC-23.2	Discovering the Desirable Alleles Contributing to the Lignocellulosic Biomass Traits in Saccharum Germplasm Collections for Energy Cane Improvements	245
UNIVERSITY OF, MEDICAL CAMPUS Miami, FL	DE-FG02-11ER65279 09/14/2014 Mapes	SC-23.1	Sensitivity of Atmospheric Parametric Formulations to Regional Mesh Refinement in Global Climate Simulations Using	178
UNIVERSITY OF, MEDICAL CAMPUS Miami, FL	DE-FG02-11ER65283 09/14/2014 Zhang	SC-23.1	Roles of Shadow Convection in the Cloud Life Cycle in the Tropical Western Pacific Region	162
UNIVERSITY OF, MEDICAL CAMPUS Miami, FL	DE-FG02-09ER64779 06/14/2012 Mapes	SC-23.1	Parameterizing Convective Organization	191
UNIVERSITY OF, MEDICAL CAMPUS Miami, FL	DE-FG02-09ER64738 04/30/2012 Albrecht	SC-23.1	Collaborative Research: ARM Observations for the Development and Evaluation of Models and Parameterizations of Cloudy Boundary Layers	122
UNIVERSITY OF, MEDICAL CAMPUS Miami, FL	DE-FG02-11ER65343 09/14/2014 Walko	SC-23.1	Toward a Unified Representation of Atmospheric Convection in Variable-Resolution Climate Models	86
UNIVERSITY OF, MEDICAL CAMPUS Miami, FL	DE-FG02-09ER64841 08/14/2012 Avissar	SC-23.1	Improving Cloud and Precipitation Physics in a Seamless Regional-Global Climate Model	0
SOUTH FLORIDA, UNIVERSITY OF Tampa, FL	DE-FG02-04ER46145 06/14/2014 Nolas	SC-22.23	A Fundamental Study of Inorganic Clathrate and Other Open-Framework Materials	130

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2011
SOUTH FLORIDA, UNIVERSITY OF Tampa, FL	DE-FG02-06ER46297 07/14/2012 Woods	SC-22.22	Theoretical Studies of Graphitic Nanostructured Materials Interactions	90
SOUTH FLORIDA, UNIVERSITY OF Tampa, FL	DE-FG02-10ER46782 08/31/2013 Ponomareva	SC-22.22	Atomistic Study of Ultrafast Dynamics in Multifunctional Materials in Bulk and Nanoforms	135
SOUTH FLORIDA, UNIVERSITY OF Tampa, FL	DE-FG02-07ER46438 08/31/2013 Srikanth	SC-22.22	Magnetic Frustration and Cooperative Phenomena in Correlated Electron Oxide Materials	135
SOUTH FLORIDA, UNIVERSITY OF Tampa, FL	DE-FG02-09ER16082 09/14/2012 Batzill	SC-22.12	Photocatalysis of Modified Transition Metal Oxide Surfaces	135
TERAFLUX CORPORATION Boca Raton, FL	DE-FG02-08ER64534 04/14/2012 Prusa	SC-23.1	Collaborative Research: Continuous Dynamic Grid Adaptation in a Global Atmospheric Model: Application and Refinement	0
Total for FL :				13,265

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2011
ICKASAW ADVISORY SERVICES, LLC Atlanta, GA	DE-AC02-10ER35896 01/31/2015 Osteen	SC-46	Administrative, Technical, Professional, Information Management and Technology Support and Assistance to the Office of	1,894
CLARK ATLANTA UNIVERSITY Atlanta, GA	DE-FG02-97ER14743 03/31/2013 Msezane	SC-22.11	Electron/Photon Interactions with Atoms/Ions	80
EMORY UNIVERSITY Atlanta, GA	DE-FG02-07ER15906 08/31/2013 Hill	SC-22.13	Solar Energy-Driven Multi-Electron-Transfer Catalysts for Water Splitting: Robust and Carbon-Free	300
EMORY UNIVERSITY Atlanta, GA	DE-FG02-01ER15153 08/14/2013 Heaven	SC-22.12	Spectroscopic Studies of Prototypical Actinide Compounds	130
EMORY UNIVERSITY Atlanta, GA	DE-FG02-97ER14782 10/31/2012 Bowman	SC-22.11	Theoretical Studies of Combustion Dynamics	130
EMORY UNIVERSITY Atlanta, GA	DE-FG02-03ER15461 09/14/2012 Musaev	SC-22.12	Principles of Selective O ₂ -Based Oxidation by Optimal (Multinuclear) Catalytic Sites	240
EMORY UNIVERSITY Atlanta, GA	DE-FG02-02ER15377 06/14/2014 Lynn, Conticello	SC-22.13	Engineering Functional Scaffolds by Supramolecular Self-Assembly	240
S INST., INC., MEDICAL COL. OF Augusta, GA	DE-FG02-09ER64788 06/30/2012 Dynan	SC-23.2	Links Between Persistent DNA Damage, Genome Instability, and Aging	360
STATE UNIV. RES. FOUND., INC. Atlanta, GA	DE-FG02-03ER15428 10/31/2012 Manson	SC-22.11	Photoabsorption by Free and Confined Atoms and Ions	69
STATE UNIV. RES. FOUND., INC. Atlanta, GA	DE-FG02-01ER15213 10/31/2013 Stockman	SC-22.11	Femtosecond and Attosecond Laser-Pulse Energy Transformation and Concentration in Nanostructured Systems	100
STATE UNIV. RES. FOUND., INC. Atlanta, GA	DE-FG02-09ER46635 09/14/2012 Mani	SC-22.22	SISGR - Microwave- and Terahertz- Photo-Excited Transport in the Two Dimensional Electron System	120
STATE UNIV. RES. FOUND., INC. Atlanta, GA	DE-FG02-11ER46789 08/14/2014 Stockman	SC-22.22	Quantum Nanoplasmonics Theory	143
STATE UNIV. RES. FOUND., INC. Atlanta, GA	DE-FG02-98ER41068 03/31/2014 He	SC-26.1	Research in Heavy Ion Nuclear Reactions	158
GEORGIA TECH RESEARCH CORP Atlanta, GA	DE-FG02-10ER65104 09/14/2013 Taillefert	SC-23.1	Mineral Solubility and Free Energy Controls on Microbial Reaction Kinetics: Application to Contaminant Transport....	290
GEORGIA TECH RESEARCH CORP Atlanta, GA	DE-FG02-11ER65252 09/14/2014 Nenes	SC-23.1	Collaborative Research: Quantifying the Uncertainties of Aerosol Indirect Effects and Impacts on Decadal-Scale Climate	215

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2011
GEORGIA TECH RESEARCH CORP Atlanta, GA	DE-FG02-11ER65245 09/14/2014 Kostka	SC-23.1	The Response of Soil Carbon Storage and Microbially Mediated Turnover to Simulated Climatic Disturbance in a Northern Peatland Forest: Revisiting the Concept...	274
GEORGIA TECH RESEARCH CORP Atlanta, GA	DE-FG02-11ER65241 09/14/2014 Bracco	SC-23.1	Validation and Quantification of Uncertainty in Coupled Climate Models Using Network Analysis	183
GEORGIA TECH RESEARCH CORP Atlanta, GA	DE-FG02-09ER46604 05/31/2013 Tsukruk	SC-22.23	Guided Assembly of Anisotropic Micro-Structures Into Mesoscale Hierarchies	250
GEORGIA TECH RESEARCH CORP Atlanta, GA	DE-FG02-09ER46592 02/28/2013 Sandhage , Kroger	SC-22.23	(Bio)Chemical Tailoring of Biogenic 3-D Nanopatterned Templates With Energy-Relevant Functionalities	299
GEORGIA TECH RESEARCH CORP Atlanta, GA	DE-FG02-97ER45632 12/31/2012 Chou	SC-22.22	First-Principles Investigation of Complex Materials Properties	155
GEORGIA TECH RESEARCH CORP Atlanta, GA	DE-FG02-86ER45234 11/30/2012 Landman	SC-22.22	Structure and Dynamics of Material Surfaces, Interphase-Interfaces and Finite Aggregates	225
GEORGIA TECH RESEARCH CORP Atlanta, GA	DE-FG02-05ER46229 08/31/2012 Chou	SC-22.22	First-Principles Studies of Phase Stability and Reaction Dynamics in Complex Metal Hydrides	0
GEORGIA TECH RESEARCH CORP Atlanta, GA	DE-FG02-04ER46141 05/14/2013 Tolbert, Bunz	SC-22.23	Morphosynthesis of Organic Semiconductors and Their Engineered Nanodot Composites	218
GEORGIA TECH RESEARCH CORP Atlanta, GA	DE-FG02-07ER46394 01/31/2015 Wang	SC-22.22	Fundamental Piezoelectronic and Piezo-Phototronic Effects in Nanowires	0
GEORGIA TECH RESEARCH CORP Atlanta, GA	DE-FG02-06ER46343 05/31/2013 Zhang	SC-22.22	Measurement of Near Field Thermal Radiation Between Flat Surfaces with Nanogap	195
GEORGIA TECH RESEARCH CORP Atlanta, GA	DE-FG02-06ER46281 03/31/2012 Davidovic	SC-22.22	Spin Polarized Electron Transport Through Aluminum Nanoparticles	130
GEORGIA TECH RESEARCH CORP Atlanta, GA	DE-FG02-06ER46293 07/31/2013 Riedo	SC-22.22	NanoMechanics: Elasticity and Friction in Nano-Objects	205
GEORGIA TECH RESEARCH CORP Atlanta, GA	DE-FG02-09ER64897 09/14/2012 Taillefert	SC-23.1	Uranium Biomineralization by Natural Microbial Phosphatase Activities in the Subsurface	93
GEORGIA TECH RESEARCH CORP Atlanta, GA	DE-FG02-99ER54538 03/31/2014 Stacey	SC-24.2	Collaborative Analysis of DIII-D	164
GEORGIA TECH RESEARCH CORP Atlanta, GA	DE-FC02-09ER55008 01/14/2012 Schwan	SC-24.2	Center for Plasma Edge Simulation (CPES)	54

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands)
				FY 2011
GEORGIA TECH RESEARCH CORP Atlanta, GA	DE-FG02-01ER54656 01/31/2013 Yoda	SC-24.2	Advanced Design Studies	260
GEORGIA TECH RESEARCH CORP Atlanta, GA	DE-FG02-97ER14799 05/31/2012 El-Sayed	SC-22.11	Time Resolved Optical Studies on the Plasmonic Field Effects on Bacteriorhodopsin Proton Pump Function	467
GEORGIA TECH RESEARCH CORP Atlanta, GA	DE-FG02-03ER15450 10/31/2012 Raman	SC-22.11	Dual Quantum Gases of Bosons: From Atomic Mixtures to Heteronuclear Molecules	140
GEORGIA TECH RESEARCH CORP Atlanta, GA	DE-FG02-03ER15459 09/14/2012 Jones	SC-22.12	Developing the Science of Immobilized Molecular Catalysts	700
GEORGIA TECH RESEARCH CORP Atlanta, GA	DE-FG02-04ER15510 12/14/2014 Koros	SC-22.12	Precisely tunable high performance carbon molecular sieve membranes for energy intensive separations	120
GEORGIA TECH RESEARCH CORP Atlanta, GA	DE-FG02-02ER15337 10/31/2014 Orlando	SC-22.11	Low-Energy Electron Interactions with Liquid Complex Targets	145
GEORGIA TECH RESEARCH CORP Atlanta, GA	DE-FG02-11ER16216 12/14/2012 Hernandez	SC-22.13	National Diversity Equity Workshop 2011 to be held January 24 - 26, 2011	100
GEORGIA TECH RESEARCH CORP Atlanta, GA	DE-FC02-10ER26006 08/31/2013 Vuduc	SC-21.1	Vancouver: Designing a Next Generation Software Infrastructure for Heterogeneous Exascale Computing	234
GEORGIA TECH RESEARCH CORP Atlanta, GA	DE-FG02-10ER26021 08/31/2013 Dovrolis	SC-21.1	Detection, Localization and Diagnosis of Performance Problems Using PerfSONAR	175
GEORGIA TECH RESEARCH CORP Atlanta, GA	DE-FC02-10ER26014 08/31/2013 Schwan	SC-21.1	Runtime System for I/O Staging in Support of In-Situ Processing of Extreme Scale Data	246
VERSITY OF RESEARCH FOUND. INC Athens, GA	DE-FG02-09ER64831 08/31/2012 Paterson	SC-23.2	Accelerating the Domestication of Miscanthus for Biofuel Production	530
VERSITY OF RESEARCH FOUND. INC Athens, GA	DE-FG02-08ER64690 09/14/2012 Scott	SC-23.2	Systems-Level Description of Metabolic and Regulatory Pathways fo a Hydrogen-Producing Model Microorganism	0
VERSITY OF RESEARCH FOUND. INC Athens, GA	DE-FG02-06ER64321 09/30/2012 Leclerc	SC-23.1	A New Carbon Flux Super Site: Innovative Methods of Atmosphere-Terrestrial Carbon Exchange Measurements and Modeling	0
VERSITY OF RESEARCH FOUND. INC Athens, GA	DE-FG02-07ER64408 05/14/2012 Summers	SC-23.1	Identifying Biomarkers and Mechanisms of Toxic Metal Stress with Globabl Proteomics	0
VERSITY OF RESEARCH FOUND. INC Athens, GA	DE-FG02-09ER16076 08/31/2012 Hahn	SC-22.13	Understanding the Mechanism by Which Non-Catalytic Carbohydrate Binding Modules Contribute to Plant Cell Wall Degradation	180

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2011
VERSITY OF RESEARCH FOUND. INC Athens, GA	DE-FG02-96ER20220 06/14/2012 Darvill	SC-22.13	Structural Studies of Complex Carbohydrates of Plant Cell Walls	325
VERSITY OF RESEARCH FOUND. INC Athens, GA	DE-FG02-93ER20097 12/31/2012 Darvill	SC-22.13	Center for Plant and Microbial Complex Carbohydrates	790
VERSITY OF RESEARCH FOUND. INC Athens, GA	DE-FG02-95ER20175 04/14/2014 Adams	SC-22.13	Hypothermophilic Multiprotein Complexes and Pathways for Energy Conservation and Catalysis	200
VERSITY OF RESEARCH FOUND. INC Athens, GA	DE-FG02-03ER15415 08/14/2012 Ye	SC-22.13	Secondary Wall Formation in Fiber Cells	181
VERSITY OF RESEARCH FOUND. INC Athens, GA	DE-FG02-96ER14658 11/14/2014 Duncan	SC-22.11	Transition Metal Chemistry Studied with Cluster Ion Infrared Spectroscopy	136
VERSITY OF RESEARCH FOUND. INC Athens, GA	DE-FG02-97ER14748 01/14/2013 Allen, Schaefer	SC-22.11	Theoretical Studies of Elementary Hydrocarbon Species and Their Reactions	202
VERSITY OF RESEARCH FOUND. INC Athens, GA	DE-FG02-10ER64983 06/14/2013 Summers	SC-23.1	Defining the Molecular-Cellular-Field Continuum of Mercury Detoxification	225
VERSITY OF RESEARCH FOUND. INC Athens, GA	DE-FG02-11ER65286 09/14/2014 Summers	SC-23.1	Identifying Key Proteins in Hg Methylation Pathways of Desulfovibrio by Global Proteomics	149
VERSITY OF RESEARCH FOUND. INC Athens, GA	DE-FG02-11ER65218 09/14/2012 Leclerc	SC-23.1	A New Carbon Flux Site: Innovative Methods of Atmosphere-Terrestrial Carbon Exchange Measurements and Modeling	100
H GEORGIA COLLEGE & STATE UNIV Dahlonega, GA	DE-FG02-97ER41046 02/29/2012 Prior	SC-26.1	Radiative Capture and Gamma-Induced Reactions at Low Energies	133

Total for GA :

12,652

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2011
HAWAII, UNIVERSITY OF Honolulu, HI	DE-FG02-11ER65351 09/14/2014 Schneider	SC-23.1	Collaborative Project: Ocean-Atmosphere Interaction From Meso- to Planetary-Scale: Mechanisms, Parameterization, and Variability	76
HAWAII, UNIVERSITY OF Honolulu, HI	DE-FG02-07ER46408 05/31/2013 Ming	SC-22.23	Synthesis of New Diamond-Like B-C Phases Under High Pressures and Temperatures	195
HAWAII, UNIVERSITY OF Honolulu, HI	DE-FG02-07ER64469 08/14/2012 Schneider	SC-23.1	Understanding Annual Cycle-ENSO Interactions in Climate Change Simulations	0
HAWAII, UNIVERSITY OF Honolulu, HI	DE-FG02-03ER15411 07/14/2012 Kaiser	SC-22.11	Probing the Reaction Dynamics of Hydrogen-Deficient Hydrocarbon Molecules and Radical Intermediates via Crossed	141
HAWAII, UNIVERSITY OF Honolulu, HI	DE-FG02-09ER16002 07/31/2013 Jahren	SC-22.12	Development of the Carbon Isotope Signature of Terrestrial n-Alkanes as a Potential Proxy for Paleo-pCO2	174
HAWAII, UNIVERSITY OF Honolulu, HI	DE-FG02-07ER15885 07/31/2012 Vicic	SC-22.12	Development of Catalytic Alkylation and Fluoroalkylation Methods	145
HAWAII, UNIVERSITY OF Honolulu, HI	DE-FG02-04ER41291 11/30/2012 Browder, Tata	SC-25	Research in High Energy Physics	1,600
Total for HI :				2,331

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2011
SITY OF SCIENCE AND TECHNOLOGY Ames, IA	DE-FG02-87ER40371 06/14/2014 Vary, Qiu	SC-26.1	Intermediate/High Energy Nuclear Physics	320
SITY OF SCIENCE AND TECHNOLOGY Ames, IA	DE-FG02-01ER41155 10/31/2012 Krennrich, Cochran	SC-25	Investigations in Experimental and Theoretical High Energy Physics	991
SITY OF SCIENCE AND TECHNOLOGY Ames, IA	DE-FG02-92ER40692 11/14/2012 Hill	SC-26.1	Relativistic Heavy Ion Physics	637
SITY OF SCIENCE AND TECHNOLOGY Ames, IA	DE-FC02-09ER41582 11/30/2012 Vary	SC-26.1	Building a Universal Nuclear Energy Density Functional	136
SITY OF SCIENCE AND TECHNOLOGY Ames, IA	DE-FG02-09ER16088 09/14/2012 Zhao	SC-22.12	SISGR: Biomimetic Catalysts Responsive to Specific Chemical Signals	440
SITY OF SCIENCE AND TECHNOLOGY Ames, IA	DE-FG02-94ER20147 08/31/2013 Rodermel	SC-22.13	Regulation of chloroplast biogenesis: the immutans mutant of Arabidopsis	170
SITY OF SCIENCE AND TECHNOLOGY Ames, IA	DE-FG02-10ER41719 08/31/2013 Lajoie	SC-26.1	Investigation of Quark Sea and Orbital Angular Momentum Contributions to Nucleon Spin	48
SITY OF SCIENCE AND TECHNOLOGY Ames, IA	DE-FG02-01ER63250 03/14/2012 Gutowski	SC-23.1	Collaborative Research: Continuous Dynamic Grid Adaptation in a Global Atmospheric Model: Application and Refinement	0
SITY OF SCIENCE AND TECHNOLOGY Ames, IA	DE-FG02-07ER64463 08/14/2012 Gutowski	SC-23.1	Collaborative Research: Towards Advanced Understanding and Predictive Capability of Climate Change in the Arctic Using a	0
SITY OF SCIENCE AND TECHNOLOGY Ames, IA	DE-FG02-08ER64559 05/14/2012 Wu	SC-23.1	Understanding and Improving CRM and GCM Simulations of Cloud Systems with ARM Observations	0
SITY OF SCIENCE AND TECHNOLOGY Ames, IA	DE-FG02-11ER65158 08/31/2015 Gutowski	SC-23.1	Collaborative Proposal: Improving Decadal Prediction of Arctic Climate Variability and Change Using a Regional Arctic System	257
IOWA, UNIVERSITY OF Iowa City, IA	DE-FG02-11ER65197 08/31/2014 Scherer	SC-23.1	Electron and Atom Exchange Between Aqueous Fe(II) and Structural Fe(III) in Clays: Role in U and Hg(II) Transformations	210
IOWA, UNIVERSITY OF Iowa City, IA	DE-FG02-09ER64801 06/30/2012 Spitz	SC-23.2	Mitochondrial-Derived Oxidants and Cellular Responses to Low Dose/Low LET Ionizing Radiation	594
IOWA, UNIVERSITY OF Iowa City, IA	DE-FG02-99ER54543 06/30/2012 Skiff	SC-24.2	Correlations and Fluctuations in Weakly Collisional Plasma	160
IOWA, UNIVERSITY OF Iowa City, IA	DE-FG02-04ER54795 08/14/2014 Merlino	SC-24.2	Experimental Investigations of Fundamental Processes in Dusty Plasmas	200

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2011
IOWA, UNIVERSITY OF Iowa City, IA	DE-FG02-07ER54943 07/31/2012 Pickett	SC-24.2	Collaborative Research: Dynamics of Electrostatic Solitary Waves on Current Layers	0
IOWA, UNIVERSITY OF Iowa City, IA	DE-FG02-11ER41761 02/28/2013 Onel	SC-25	Secondary Emission Sampling Calorimetry Sensor Development	51
IOWA, UNIVERSITY OF Iowa City, IA	DE-FG02-91ER40664 02/28/2013 Mallik	SC-25	High Energy Physics	721
IOWA, UNIVERSITY OF Iowa City, IA	DE-FG02-86ER40286 05/31/2013 Polyzou	SC-26.1	Relativistic Few-Body Hadronic-Physics Calculations	130
KRELL INSTITUTE, INC. Ames, IA	DE-FG02-97ER25308 03/31/2013 Corones	SC-21.1	Computational Science Graduate Fellowship Program	8,000
KRELL INSTITUTE, INC. Ames, IA	DE-FG02-09ER25935 09/14/2012 Galarowicz	SC-21.1	Building a Community Infrastructure for Scalable On-Line Performance Analysis Tools Around Open Speedshop	76
Total for IA :				13,141

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2011
BOISE STATE UNIVERSITY Boise, ID	DE-FG02-07ER46396 07/14/2014 Mullner	SC-22.22	Fracture Mechanisms and Fatigue of Magnetic Shape-Memory Alloys	152
IDAHO STATE UNIVERSITY Pocatello, ID	DE-FG02-09ER46623 08/14/2012 Forest	SC-22.21	The Development of a Positron Source for JLab at the IAC	15
IDAHO STATE UNIVERSITY Pocatello, ID	DE-FG02-09ER46624 08/14/2012 Chandler	SC-22.21	Experimental Studies of the Transport Parameters of Warm Dense Matter	15
IDAHO STATE UNIVERSITY Pocatello, ID	DE-FG02-11ER65130 02/29/2012 Wells	SC-23.2	Investigations of ¹⁸ F, ⁶⁷ Cu, ⁹⁹ Mo/ ⁹⁹ Tc, and ¹³¹ Ba/ ¹³¹ Cs Isotope Production	1,458
IDAHO, UNIVERSITY OF Moscow, ID	DE-FG02-11ER65183 08/14/2012 Smith	SC-23.1	Persistence of Microbially Facilitated Calcite Precipitation as an In Situ Treatment for Strontium-90 and Other Metal Contaminant	45
IDAHO, UNIVERSITY OF Moscow, ID	DE-FG02-09ER46625 08/14/2012 Bitterwolf	SC-22.21	Time-Resolved XAFS Spectroscopic Studies of B-H and N-H Oxidative Addition to Transition Metal Catalysts Relevant to	15
IDAHO, UNIVERSITY OF Moscow, ID	DE-FG02-07ER64404 05/31/2012 Smith	SC-23.1	Field Investigations of Microbially Facilitated Calcite Precipitation for Immobilization of Strontium-90 and Other Trace Metals in the Subsurface	0
IDAHO, UNIVERSITY OF Moscow, ID	DE-FG02-03ER41270 07/31/2012 Sammarruca	SC-26.1	Nuclear Theory at the University of Idaho	95
Total for ID :				1,795

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands)
				FY 2011
CHICAGO, UNIVERSITY OF Chicago, IL	DE-FG02-10ER65030 08/14/2013 Stevens	SC-23.2	Dev. of an Extensible Computational Framework for Centralized Storage and Distributed Curation and Analysis of Genomic Data and Genome-scale Metabolic	462
CHICAGO, UNIVERSITY OF Chicago, IL	DE-FG02-10ER41651 12/31/2012 Wah	SC-25	Rare Kaon Decays, KEK Experiment E391 and E14 at the Japan Physics and Accelerator Research Complex (J-PARC)	245
CHICAGO, UNIVERSITY OF Chicago, IL	DE-FG02-06ER46326 08/14/2012 Guyot-Sionnest	SC-22.22	Colloidal Quantum Dot Films. Transport and Magnetotransport	134
CHICAGO, UNIVERSITY OF Chicago, IL	DE-FG02-03ER46088 04/30/2013 Nagel	SC-22.22	Studies of the Marginally Jammed Solid	125
CHICAGO, UNIVERSITY OF Chicago, IL	DE-FG02-99ER45789 11/30/2012 Rosenbaum	SC-22.22	Coherent Excitations in Disordered Quantum Materials	150
CHICAGO, UNIVERSITY OF Chicago, IL	DE-FG02-11ER41745 07/14/2012 Wagner	SC-25	PreSUSY 2011 School on Particle Physics, August 28-September 2, 2011	10
CHICAGO, UNIVERSITY OF Chicago, IL	DE-FG02-09ER16113 09/14/2012 Sibener	SC-22.11	SISGR - Chemical Imaging and Dynamical Studies of Reactivity and Emergent Behavior in Complex Interfacial Systems	295
CHICAGO, UNIVERSITY OF Chicago, IL	DE-FG02-10ER16171 08/31/2014 Voth	SC-22.12	Computer Simulation of Proton Transport in Fuel Cell Membranes	170
CHICAGO, UNIVERSITY OF Chicago, IL	DE-FG02-92ER14305 03/31/2015 Butler	SC-22.11	Dynamics of Product Branching in Elementary Combustion Reactions: OH + Alkenes and Nitrogen Chemistry	123
CHICAGO, UNIVERSITY OF Chicago, IL	DE-FG02-94ER14466 08/14/2016 Sutton	SC-22.12	GeoSoilEnviroCARS: A National Resource for Earth, Planetary, Soil and Environmental Science Research at the	856
CHICAGO, UNIVERSITY OF Chicago, IL	DE-FG02-01ER15254 07/31/2014 Richter	SC-22.12	Kinetic Isotope Fractionation by Diffusion in Liquids	194
CHICAGO, UNIVERSITY OF Chicago, IL	DE-FG02-92ER14244 11/14/2014 Sutton	SC-22.12	Synchrotron X-Ray Microprobe and Microspectroscopy Research In Low Temperature Geochemistry	319
CHICAGO, UNIVERSITY OF Chicago, IL	DE-FG02-07ER15865 05/14/2013 He	SC-22.12	Selective Recognition of Heavy Elements by Protein-Based Reagents	42
CHICAGO, UNIVERSITY OF Chicago, IL	DE-FG02-07ER15910 02/28/2014 Hopkins	SC-22.13	New Transition Metal Building Blocks and Assemblies for Photocatalytic Fuel Production	195
CHICAGO, UNIVERSITY OF Chicago, IL	DE-FC02-10ER26012 08/31/2013 Katz	SC-21.1	ExM: System Support for Extreme-Scale, Many-Task Applications	446

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands)
				FY 2011
CHICAGO, UNIVERSITY OF Chicago, IL	DE-FG02-09ER25912 08/31/2012 Khokhlov	SC-21.1	First-Principles Petascale Simulations for Predicting Deflagration to Detonation Transition in Hydrogen-Oxygen Mixtures	0
CHICAGO, UNIVERSITY OF Chicago, IL	DE-FG02-09ER25921 09/14/2012 Stein	SC-21.1	Scalable Statistical Analysis of Gaussian Models for Petascale Spatiotemporal Data	102
CHICAGO, UNIVERSITY OF Chicago, IL	DE-FG02-09ER25883 08/31/2012 Birge	SC-21.1	Stochastic Optimization of Complex Systems	165
CHICAGO, UNIVERSITY OF Chicago, IL	DE-FG02-90ER40560 10/31/2012 Martinec	SC-25	Participation in High Energy Physics	851
DEPAUL UNIVERSITY Chicago, IL	DE-FC02-06ER41441 03/14/2012 Di Pierro	SC-25	SciDAC: National Computational Infrastructure for Lattice Gauge Theory	0
HDF GROUP, THE Champaign, IL	DE-FC02-10ER26003 08/31/2013 Koziol	SC-21.1	Damsel: a Data Model Storage Library for Exascale Science	250
ILLINOIS INST. OF TECHNOLOGY Chicago, IL	DE-FG02-94ER40840 04/30/2012 White	SC-25	Participation in High Energy Physics	424
ILLINOIS INST. OF TECHNOLOGY Chicago, IL	DE-FG02-01ER41159 01/14/2014 Torun, Kaplan	SC-25	Participation in Muon Collider/Neutrino Factory Research and Development	200
ILLINOIS INST. OF TECHNOLOGY Chicago, IL	DE-FG02-09ER25884 08/31/2012 Hickernell	SC-21.1	Stochastic Optimization of Complex Systems	64
OIS, UNIV. OF URBANA-CHAMPAIGN Urbana, IL	DE-FG02-10ER65103 08/31/2013 Luthey-Schulten	SC-23.2	Computational Modeling of Fluctuations in Energy and Metabolic Pathways of Methanogenic Archaea	500
OIS, UNIV. OF URBANA-CHAMPAIGN Urbana, IL	DE-FG02-10ER65012 07/31/2012 McFarquhar	SC-23.1	The Development of an Improved Cloud Microphysical Product for Model and Remote Sensing Evaluation Using RACORO	0
OIS, UNIV. OF URBANA-CHAMPAIGN Urbana, IL	DE-FG02-10ER64999 06/14/2013 Metcalf	SC-23.2	Methanogenic Archaea and the Global Carbon Cycle: A System Biology Approach to the Study of Mechanosarcina	821
OIS, UNIV. OF URBANA-CHAMPAIGN Urbana, IL	DE-FG02-10ER65039 08/14/2013 Hudson	SC-23.2	The Role of Small RNA in Biomass Deposition and Perenniality in Andropogoneae Feedstocks	439
OIS, UNIV. OF URBANA-CHAMPAIGN Urbana, IL	DE-FG02-10ER64926 01/31/2013 West	SC-23.1	Particle-Resolved Aerosol Representation for the Simulation of the Aerosol Impact on Regional Scales	198
OIS, UNIV. OF URBANA-CHAMPAIGN Urbana, IL	DE-FG02-10ER64939 04/14/2012 Johnson	SC-23.1	Exploratory Research: Mercury Stable Isotopes as Indicators of the Biogeochemical Cycling of Mercury	0

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OIS, UNIV. OF URBANA-CHAMPAIGN Urbana, IL	DE-FG02-11ER65312 09/14/2014 Lundstrom	SC-23.1	Development of U Isotope Fractionation as an Indicator of U(VI) Reduction in Uranium Plumes	175
OIS, UNIV. OF URBANA-CHAMPAIGN Urbana, IL	DE-FG02-11ER65281 09/14/2014 Jain	SC-23.1	Investigating the Role of Biogeochemical Processes in the Northern High Latitudes on Global Climate Feedbacks Using an	556
OIS, UNIV. OF URBANA-CHAMPAIGN Urbana, IL	DE-FG02-11ER65224 09/14/2014 Bond	SC-23.1	Isolating Weakly and Strongly-Absorbing Classes of Carbonaceous Aerosol:Optical Properties, Abundance and Life Cycle	398
OIS, UNIV. OF URBANA-CHAMPAIGN Urbana, IL	DE-FG02-11ER65210 08/14/2014 Sacks	SC-23.2	Quantifying Phenotypic & Genetic Diversity of Miscanthus Sinensis as a Resource for Knowledge-Based Improvement of M. x	999
OIS, UNIV. OF URBANA-CHAMPAIGN Urbana, IL	DE-FG02-11ER65260 08/31/2014 Blaschek	SC-23.2	Understanding Fundamental Aspects of Butanol Production by Clostridium Beijerinckii	355
OIS, UNIV. OF URBANA-CHAMPAIGN Urbana, IL	DE-FG02-11ER65251 09/14/2013 Valocchi	SC-23.1	Microbiological-Enhanced Mixing Across Scales During in Situ Bioreduction of Metals & Radionuclides at DOE Sites	1,300
OIS, UNIV. OF URBANA-CHAMPAIGN Urbana, IL	DE-FG02-11ER65366 09/14/2012 Valocchi	SC-23.1	Conference Support for the XIX International Conference on Computational Methods in Water Resources, June 17-21, 2012	20
OIS, UNIV. OF URBANA-CHAMPAIGN Urbana, IL	DE-FG02-05ER46217 08/14/2013 Bellon, Averback	SC-22.22	Materials for Extreme Irradiation Environments	650
OIS, UNIV. OF URBANA-CHAMPAIGN Urbana, IL	DE-FG02-07ER46383 05/31/2013 Chiang	SC-22.21	Quantum Physics of Surface-Based Nanoscale Systems	473
OIS, UNIV. OF URBANA-CHAMPAIGN Urbana, IL	DE-FG02-06ER46285 06/30/2012 Abbamonte	SC-22.21	Resonant Soft X-Ray Scattering Studies of Spontaneous and Engineered Electronic Order in Transition Metal Oxides	229
OIS, UNIV. OF URBANA-CHAMPAIGN Urbana, IL	DE-FG02-05ER46260 06/14/2014 Gewirth	SC-22.23	Cathode Catalysis in Hydrogen/Oxygen Fuel Cells: New Cathalysts, Mechanism, and Characterization	350
OIS, UNIV. OF URBANA-CHAMPAIGN Urbana, IL	DE-FG02-01ER45923 04/14/2014 Zuo	SC-22.21	Electron Nanocrystallography of Complex Materials and Processes	250
OIS, UNIV. OF URBANA-CHAMPAIGN Urbana, IL	DE-FG02-02ER46019 11/30/2012 Granick	SC-22.23	Phospholipid Vesicles in Materials Science	229
OIS, UNIV. OF URBANA-CHAMPAIGN Urbana, IL	DE-FG02-08ER46549 10/14/2012 Abbamonte	SC-22.21	LEEM Investigations of Clean Surfaces Driven by Energetic Ion Beams	170
OIS, UNIV. OF URBANA-CHAMPAIGN Urbana, IL	DE-FG02-07ER46471 07/31/2013 Lewis, Moore	SC-22.23	Programming Function via Soft Materials	1,607

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OIS, UNIV. OF URBANA-CHAMPAIGN Urbana, IL	DE-FG02-07ER46453 07/31/2013 Cooper	SC-22.22	Quantum Materials at the Nanoscale	1,700
OIS, UNIV. OF URBANA-CHAMPAIGN Urbana, IL	DE-FG02-07ER46459 07/31/2013 Cahill	SC-22.21	Ultrafast Thermal Transport at Interfaces	375
OIS, UNIV. OF URBANA-CHAMPAIGN Urbana, IL	DE-FG02-07ER46443 04/30/2014 Robertson	SC-22.21	Four-Dimensional Characterization of Dislocation-Defect Interactions in Aggressive Environments - A New Approach	149
OIS, UNIV. OF URBANA-CHAMPAIGN Urbana, IL	DE-FG02-09ER64770 06/14/2012 McFarquhar	SC-23.1	Improved Representations of Cloud Microphysics for Model and Remote Sensing Evaluation Using Data Collected During ISDAC, TWP-ICE, and RACORO	163
OIS, UNIV. OF URBANA-CHAMPAIGN Urbana, IL	DE-FG02-09ER64791 06/30/2012 Finneran	SC-23.1	Characterizing the combined Roles of Iron and Transverse Mixing on Uranium Bioremediation in Groundwater Using	155
OIS, UNIV. OF URBANA-CHAMPAIGN Urbana, IL	DE-FG02-09ER64781 07/31/2012 Sanford	SC-23.1	MURMoT: Design and Application of Microbial Uranium Reduction Monitoring Tools	117
OIS, UNIV. OF URBANA-CHAMPAIGN Urbana, IL	DE-FG02-08ER64568 05/31/2014 Lu	SC-23.1	New Catalytic DNA Biosensors for Radionuclides and Metal Ions	248
OIS, UNIV. OF URBANA-CHAMPAIGN Urbana, IL	DE-FG02-04ER54765 04/14/2012 Ruzic	SC-24.2	Study of Breakdown/Arcing in High Power RF Antennas	55
OIS, UNIV. OF URBANA-CHAMPAIGN Urbana, IL	DE-FG02-99ER54515 04/14/2014 Ruzic	SC-24.2	Surface Interactions for Controlled Nuclear Fusion	274
OIS, UNIV. OF URBANA-CHAMPAIGN Urbana, IL	DE-FC02-07ER64323 05/14/2013 Valocchi	SC-23.1	Modeling Multiscale-Multiphase-Multicomponent Subsurface Reactive Flows Using Advanced Computing	77
OIS, UNIV. OF URBANA-CHAMPAIGN Urbana, IL	DE-FG02-08ER54992 05/31/2012 Ruzic	SC-24.2	Study of the Scrape-Off Layer/LLD Interactions and Relevance to NSTX Core Performance	140
OIS, UNIV. OF URBANA-CHAMPAIGN Urbana, IL	DE-FG02-09ER55051 08/14/2012 Eden	SC-24.2	Scaling of Microactivity Plasmas Toward IUM: Science and Engineering of Spatially-Confined, Low Temperature Plasmas	67
OIS, UNIV. OF URBANA-CHAMPAIGN Urbana, IL	DE-FG02-11ER46799 07/14/2016 Dillon	SC-22.21	In-situ TEM Observations of Degradation Mechanisms in Next-Generation High-Energy Density Lithium-Ion Battery Systems	150
OIS, UNIV. OF URBANA-CHAMPAIGN Urbana, IL	DE-FG02-03ER15476 09/14/2012 Nuzzo, Johnson	SC-22.12	Reactivity & Structural Dynamics of Supported Metal Nanoclusters using Electron Microscopy, In-Situ X-Ray Spectroscopy, Elec. Struc. Theories, &	640
OIS, UNIV. OF URBANA-CHAMPAIGN Urbana, IL	DE-FG02-87ER13716 08/31/2013 Gennis	SC-22.13	Biochemical and Biophysical Studies of the E Coli Aerobic Respiratory Chain	170

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OIS, UNIV. OF URBANA-CHAMPAIGN Urbana, IL	DE-FG02-02ER15296 06/30/2014 Metcalf	SC-22.13	Energy Conservation During Methanogenesis in Methanosarcina Species	185
OIS, UNIV. OF URBANA-CHAMPAIGN Urbana, IL	DE-FG02-90ER14146 02/28/2015 Rauchfuss	SC-22.12	Organometallic and Catalytic Chemistry of Functionalized Complexes	170
OIS, UNIV. OF URBANA-CHAMPAIGN Urbana, IL	DE-FG02-08ER15960 06/14/2014 Dikanov	SC-22.13	Mechanistic Studies of Catalysis in Quinone Electron Transfer Using High-Resolution EPR	180
OIS, UNIV. OF URBANA-CHAMPAIGN Urbana, IL	DE-FG02-08ER15961 06/14/2012 Bass	SC-22.12	Aqueous Geochemistry at High Pressures and Temperatures	0
OIS, UNIV. OF URBANA-CHAMPAIGN Urbana, IL	DE-FG02-11ER16211 02/28/2014 Hirata	SC-22.11	Breakthrough Design and Implementation of Many-Body Electronic and Vibrational Theories	171
OIS, UNIV. OF URBANA-CHAMPAIGN Urbana, IL	DE-FG02-91ER40677 10/31/2012 Liss, Thaler	SC-25	Research on Elementary Particle Physics	2,184
OIS, UNIV. OF URBANA-CHAMPAIGN Urbana, IL	DE-FG02-07ER15843 12/31/2011 Hartwig	SC-22.12	Chemistry of Complexes With Transition Metal-Heteroatom Bonds: Novel Insertion Chemistry and X-H Bond Activation	175
OIS, UNIV. OF URBANA-CHAMPAIGN Urbana, IL	DE-FC02-10ER26011 08/31/2013 Hoefler	SC-21.1	Compiled MPI: Cost-Effective Exascale Applications Development	55
OIS, UNIV. OF URBANA-CHAMPAIGN Urbana, IL	DE-FG02-10ER25969 03/14/2013 Gropp	SC-21.1	Architecture-Aware Algorithms for Scalable Performance and Resilience on Heterogeneous Architectures	160
OIS, UNIV. OF URBANA-CHAMPAIGN Urbana, IL	DE-FC02-10ER26004 08/31/2013 Hwu	SC-21.1	Vancouver: Designing a Next Generation Software Infrastructure for Heterogeneous Exascale Computing	444
OIS, UNIV. OF URBANA-CHAMPAIGN Urbana, IL	DE-FC02-10ER25992 08/31/2013 Torrellas	SC-21.1	Thrifty: An Exascale Architecture for Energy Proportional Computing	314
OIS, UNIV. OF URBANA-CHAMPAIGN Urbana, IL	DE-FG02-09ER25895 09/14/2012 Kale	SC-21.1	HPC Colony II	250
OIS, UNIV. OF URBANA-CHAMPAIGN Urbana, IL	DE-FG02-08ER25835 03/31/2013 Gropp	SC-21.1	Enhancing the MPI Programming Model for Petascale Systems	158
ILLINOIS, UNIVERSITY OF CHICAGO Chicago, IL	DE-FG02-09ER25954 09/14/2012 Nicholls	SC-21.1	High-Order Numerical Methods for the Simulation of Linear and Non-Linear Waves: High-Frequency Radiation and Dynamic	90
ILLINOIS, UNIVERSITY OF CHICAGO Chicago, IL	DE-FG02-84ER40173 06/30/2012 Keung	SC-25	Studies in Theoretical High Energy Particle Physics	82

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LLINOIS, UNIVERSITY OF CHICAGO Chicago, IL	DE-FG02-01ER41195 07/31/2013 Stephanov	SC-26.1	Theoretical Studies of Strongly Interacting Matter	160
LLINOIS, UNIVERSITY OF CHICAGO Chicago, IL	DE-FG02-94ER40865 05/14/2013 Hofman	SC-26.1	Heavy Ion Nuclear Physics Research at the University of Illinois at Chicago	486
LLINOIS, UNIVERSITY OF CHICAGO Chicago, IL	DE-FG02-09ER16072 11/30/2012 Ogut	SC-22.11	Manipulating Light With Transition Metal Clusters and Dyes	56
LLINOIS, UNIVERSITY OF CHICAGO Chicago, IL	DE-FG02-03ER15381 01/14/2015 Sturchio	SC-22.12	Mineral-Fluid Interactions: Synchrotron Radiation Studies at the Advanced Photon Source	65
LLINOIS, UNIVERSITY OF CHICAGO Chicago, IL	DE-FG02-09ER64895 09/14/2012 Nagy	SC-23.1	Mercury Release from Organic Matter (OM) and OM-Coated Mineral Surfaces	248
LLINOIS, UNIVERSITY OF CHICAGO Chicago, IL	DE-FG02-08ER46538 08/31/2012 Murad	SC-22.23	Observation and Simulations of Lipid Membrane Behavior Under External Stimuli	60
LLINOIS, UNIVERSITY OF CHICAGO Chicago, IL	DE-FG02-05ER46225 08/14/2014 Morr	SC-22.22	Non-Equilibrium Physics at the Nanoscale	70
LLINOIS, UNIVERSITY OF CHICAGO Chicago, IL	DE-FG02-11ER65188 08/31/2014 Gonzalez-Meler	SC-23.1	Permafrost Thawing and Vegetation Change Effects on Cryoturbation Rates and C and CH4 Dynamics	349
NORTHERN ILLINOIS UNIVERSITY DeKalb, IL	DE-FG02-06ER46334 08/14/2012 Xiao	SC-22.23	Synthesis and Properties of Nanostructured Exotic Superconductors	162
NORTHERN ILLINOIS UNIVERSITY DeKalb, IL	DE-FG02-03ER46097 09/14/2012 van Veenendaal	SC-22.22	Dynamical and Non-Equilibrium Effects in Higher-Order and Pump and Probe X-Ray Scattering	140
NORTHERN ILLINOIS UNIVERSITY DeKalb, IL	DE-FG02-10ER41695 08/31/2012 Zutshi	SC-25	Design and Prototyping of a High Granularity Scintillator Calorimeter	80
NORTHERN ILLINOIS UNIVERSITY DeKalb, IL	DE-FG02-11ER41725 02/29/2012 Erdelyi	SC-26.2	Studies of Conventional and ERL-Based Recirculator Electron Cooling for an Electron Ion Collider	58
NORTHERN ILLINOIS UNIVERSITY DeKalb, IL	DE-FG02-08ER41532 01/31/2014 Piot	SC-25	Nonlinear Dynamics & Phase Space Manipulations of High-Brightness Electron Beams: Theories, Simulations, and	98
NORTHERN ILLINOIS UNIVERSITY DeKalb, IL	DE-FG02-10ER65006 09/14/2012 Kimball	SC-23.2	Unique Methodologies for Nano-/Micro-Manufacturing Job Training via Desktop Supercomputer Modeling and Simulation	0
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-98ER41086 12/31/2011 Segel	SC-26.1	Physics with Rare Isotope Beams	0

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NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-87ER40344 11/30/2013 Seth	SC-26.1	Strong Interaction Studies with Medium Energy Probes	334
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-91ER40684 11/30/2012 Schellman, Petriello	SC-25	High Energy Physics Research	1,140
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-08ER25848 07/14/2012 Choudhary	SC-21.1	Active Storage with Analytics Capabilities and I/O Runtime System for Petascale Systems	0
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FC02-07ER25808 11/14/2012 Choudhary	SC-21.1	Scientific Data Management Center for Enabling Technologies (CET)	194
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FC02-10ER26008 08/31/2013 Dinda	SC-21.1	Enabling Exascale Hardware and Software Design Through Scalable System Virtualization	525
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FC02-10ER26001 08/31/2013 Choudhary	SC-21.1	Damsel: A Data Model Storage Library for Exascale Science	665
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-09ER25911 08/31/2012 Choudhary	SC-21.1	An Optimizing Compiler for Petascale I/O on Leadership-Class Architectures	175
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FC02-10ER26015 08/31/2013 Choudhary	SC-21.1	Scalable and Power Efficient Data Analytics for Hybrid Exascale Systems	470
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-10ER26037 08/31/2013 Mehrotra	SC-21.1	Sparse Grid Scenario Generation and Interior Algorithms for Stochastic Optimization in a Parallel Computing Environment	161
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-10ER16153 05/31/2013 Schatz	SC-22.11	Surface Plasmon Enhanced Chemistry	0
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-09ER16109 09/14/2012 Hersam	SC-22.11	SISGR - Single Molecule Chemical Imaging at Femtosecond Time Scales	600
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-09ER16030 07/31/2014 Wasielewski	SC-22.13	Argonne-Northwestern Solar Energy Research (ANSER) Center -- EFRS	2,503
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-08ER15980 08/31/2012 Rudnicki	SC-22.12	Multiscale Framework for Predicting the Coupling Between Deformation and Fluid Diffusion in Porous Rocks	0
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-08ER15967 04/30/2014 Hupp	SC-22.12	Coordination-Chemistry-Devised Materials Featuring Nanoscale Porosity and Selective Chemical Separation	525
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-87ER25047 06/30/2014 Nocedal	SC-21.1	Statistical Learning, Stochastic Optimization and Active-Set Methods for Nonlinear Programming	104

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NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-11ER16269 08/31/2014 Notestein	SC-22.12	Templating Routes to Supported Oxide Catalysts by Design	155
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-04ER15522 06/30/2013 Ibers	SC-22.12	Actinide Transition-Metal Chalcogenides and Pnictides	140
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-03ER15457 05/31/2012 Stair	SC-22.12	Institute for Catalysis in Energy Processes	1,000
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-04ER15612 10/31/2013 Seideman	SC-22.11	New Directions in Intense Laser Alignment	110
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-96ER14684 07/14/2014 Lewis	SC-22.13	Light-Driven Charge Transfer in Face-to-Face Donor-Spacer-Acceptor Supramolecular Systems	180
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-99ER14999 04/14/2012 Wasielewski	SC-22.13	Approaches to Integrated Photochemical Systems for Solar Energy Conversion	310
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-01ER15184 10/31/2013 Kung	SC-22.12	Molecular Engineering for Selective Catalysis	170
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-86ER13511 11/14/2013 Marks	SC-22.12	Supported Organometallic Complexes: Surface Chemistry, Spectroscopy, Catalysis, and Homogeneous Models	185
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-87ER13808 05/14/2012 Hupp	SC-22.13	Fundamental Studies of Light-Induced Charge Transfer, Energy Transfer, and Energy Conversion with Supramolecular	200
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-88ER45372 03/31/2013 Freeman	SC-22.22	Electronic Structure and Novel Properties in Complex Oxides and Hetero-Interfaces	105
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-84ER45125 10/31/2012 Dutta	SC-22.23	In Situ X-ray Studies of Adsorption, Nucleation, and Self-Assembly at Soft and Hard Surfaces	0
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-01ER45945 03/14/2012 Marks	SC-22.21	New Methods for Atomic Structure Determination of Materials	0
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-00ER45810 05/14/2014 Stupp	SC-22.23	Nanoengineering of Complex Materials	490
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-98ER45721 03/14/2014 Dunand	SC-22.22	Designing Nanoscale Precipitates in Novel Cobalt-based Superalloys to Improve Creep Resistance and Operating Temperature	150
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-99ER45782 08/14/2014 Voorhees	SC-22.23	Four-Dimensional Analysis of the Evolution of Complex Dendritic Microstructures During Coarsening	374

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NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-05ER46248 06/30/2014 Halperin	SC-22.22	Antiferromagnetism and Superconductivity	190
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-05ER46255 08/31/2014 Barnett	SC-22.22	High Performance Nano-Crystalline Oxide Fuel Cell Materials: Defects, Structures, Interfaces, Transport, and	500
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-07ER46356 10/31/2012 Kanatziadis	SC-22.23	Chemistry and Properties of Complex Intermetallics from Metallic Fluxes	150
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-06ER46346 01/31/2014 Chandrasekhar	SC-22.21	Nanoscale Properties of Novel Materials	229
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-07ER46401 07/14/2014 Lauhon	SC-22.22	Functional Imaging of Hybrid Nanostructures: Visualizing Mechanism of Solar Energy Utilization	140
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-07ER46433 08/14/2013 Wolverton	SC-22.22	Theory of Hydrogen Storage in Complex Hydrides	260
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-08ER46536 12/31/2014 Marks	SC-22.23	Materials Science of Electrodes and Interfaces for High-Performance Organic Photovoltaics	533
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-08ER46539 08/31/2014 Olvera de la Cruz	SC-22.23	Electrostatic Driven Self-Assembly Design of Functional Nanostructures	410
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-09ER64815 08/31/2014 Woloschak	SC-23.2	Effects of Low Dose Irradiation on NFkB Signaling Networks and Mitochondria	1,400
RUSH UNIVERSITY MEDICAL CENTER Chicago, IL	DE-FG02-09ER64883 08/31/2012 Chang	SC-23.2	Proof of Concept Studies of an Ultra-High-Performance Cardiac Imaging System: C-SPECT-II	0
LLINOIS UNIVERSITY, CARBONDALE Carbondale, IL	DE-FG02-09ER25903 08/31/2012 Zhu	SC-21.1	Towards a Scalable and Adaptive Application Support Platform for Large-Scale Distributed E-Sciences in High-Performance Network Environments	134
LLINOIS UNIVERSITY, CARBONDALE Carbondale, IL	DE-FG02-05ER46231 08/31/2012 Ge	SC-22.22	First Principles Based Simulation of Reaction-Induced Phase Transition in Hydrogen Storage and Other Materials	120
LLINOIS UNIVERSITY, CARBONDALE Carbondale, IL	DE-FG02-06ER46291 06/30/2013 Ali	SC-22.22	Understanding Compound Phase Transitions in Heusler Alloy Giant Magnetocaloric Materials: Extension to Multifunctional Materials	200
Total for IL :				41,902

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2011
NDIANA UNIVERSITY, BLOOMINGTON Bloomington, IN	DE-FG02-08ER25844 07/14/2012 Lumsdaine	SC-21.1	Minimizing System Noise Effects for Extreme-Scale Scientific Simulation Through Function Delegation	0
NDIANA UNIVERSITY, BLOOMINGTON Bloomington, IN	DE-FC02-10ER26010 08/31/2013 Lumsdaine	SC-21.1	Compiled MPI: Cost-Effective Exascale Application Development	55
NDIANA UNIVERSITY, BLOOMINGTON Bloomington, IN	DE-FG02-07ER15889 01/31/2015 Jarrold	SC-22.11	Probing catalytic activity in transition metal oxides and sulfides using cluster models: A combined experimental and	170
NDIANA UNIVERSITY, BLOOMINGTON Bloomington, IN	DE-FG02-07ER15893 08/14/2013 Mindiola	SC-22.12	Synthesis and Exploratory Catalysis of 3D Metals: Group-Transfer, and Alkane Activation and Functionalization with Greenhouse Gases	155
NDIANA UNIVERSITY, BLOOMINGTON Bloomington, IN	DE-FG02-91ER40661 10/31/2012 Evans, Kostelecky, Musser, Ogren	SC-25	High Energy Experimental and Theoretical Particle Physics	1,490
NDIANA UNIVERSITY, BLOOMINGTON Bloomington, IN	DE-FG02-92ER40747 08/14/2012 Lee	SC-25	Physics of Beam Cooling, Space Charge Effects, and Beam Manipulation Technologies in High Energy Accelerators	238
NDIANA UNIVERSITY, BLOOMINGTON Bloomington, IN	DE-FG02-88ER40404 12/31/2012 De Souza	SC-26.1	Many-Body Nuclear Dynamics	365
NDIANA UNIVERSITY, BLOOMINGTON Bloomington, IN	DE-FG02-87ER40365 03/31/2014 Horowitz, Serot, Szczeponiak	SC-26.1	Theoretical Studies in Nuclear and Hadronic Physics	320
NDIANA UNIVERSITY, BLOOMINGTON Bloomington, IN	DE-FC02-06ER41443 09/14/2012 Gottlieb	SC-25	SciDAC: National Computational Infrastructure for Lattice Gauge Theory	56
NDIANA UNIVERSITY, BLOOMINGTON Bloomington, IN	DE-FG02-05ER41374 04/14/2013 Shepherd	SC-26.1	Understanding QCD in the Light Meson Sector (With Emphasis on Mapping Gluonic Excitations)	408
NDIANA UNIVERSITY, BLOOMINGTON Bloomington, IN	DE-FG02-11ER16246 07/31/2014 Schimmelmann	SC-22.12	Shale Gas: Geochemical and Physical Constraints on Genesis, Storage, and Producibility	195
NDIANA UNIVERSITY, BLOOMINGTON Bloomington, IN	DE-FC02-06ER25750 09/14/2012 Lumsdaine	SC-21.1	Coordinated Fault Tolerance for High Performance Computing	0
NDIANA UNIVERSITY, BLOOMINGTON Bloomington, IN	DE-FG02-09ER16068 08/14/2012 Flood	SC-22.12	Binding Anions Selectively With Modular Triazolophanes and Releasing Them With Light	125
NDIANA UNIVERSITY, BLOOMINGTON Bloomington, IN	DE-FG02-98ER14890 12/14/2013 Hieftje	SC-22.12	Elucidation and Reduction of Interference Effects in Inductively Coupled Plasma Spectrometry	145
NDIANA UNIVERSITY, BLOOMINGTON Bloomington, IN	DE-FC02-06ER54865 01/14/2012 Bramley	SC-24.2	Computational Science in Fusion Energy - Center for Simulation of Wave Interactions with Magnetohydrodynamics	0

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands)
				FY 2011
NDIANA UNIVERSITY, BLOOMINGTON Bloomington, IN	DE-FG02-06ER46279 03/14/2012 Pynn	SC-22.21	Studies of Materials Structure with Neutrons using Spin Echo Scattering Angle Measurement (SESAME)	263
NDIANA UNIVERSITY, BLOOMINGTON Bloomington, IN	DE-FG02-03ER46093 11/14/2012 Snow	SC-22.21	Polarized 3He in Neutron Scattering	333
NDIANA UNIVERSITY, BLOOMINGTON Bloomington, IN	DE-FG02-11ER65339 09/14/2014 Huerta	SC-23.1	Collaborative Project: The Problem of Bias in Defining Uncertainty in Computationally Enabled Strategies for Data-Driven Climate Model Development	277
N UNIVERSITY ASSOCIATION, INC. Valparaiso, IN	DE-FG02-88ER40416 01/15/2015 Stanislaus	SC-26.1	Experimental Tests of the Standard Model for Particles and Nuclei	211
NOTRE DAME, UNIVERSITY OF Notre Dame, IN	DE-FG02-10ER46783 08/31/2013 Eskildsen	SC-22.21	Metastable Vortex Lattices - Properties and Applications	168
NOTRE DAME, UNIVERSITY OF Notre Dame, IN	DE-FG02-07ER46390 06/14/2014 Zhu	SC-22.23	Multi-Responsive Polyelectrolyte Brush Interfaces: Coupling of Brush Nanostructures and Interfacial Dynamics	150
NOTRE DAME, UNIVERSITY OF Notre Dame, IN	DE-FC02-04ER15533 10/31/2013 Carmichael	SC-22.13	Radiation and Photochemistry in the Condensed Phase and at Interfaces	5,185
NOTRE DAME, UNIVERSITY OF Notre Dame, IN	DE-FG02-09ER16026 09/14/2013 Albrecht-Schmitt	SC-22.12	New Synthetic Methods and Structure - Property Relationships in Neptunium, Plutonium, and Americum Borates	135
NOTRE DAME, UNIVERSITY OF Notre Dame, IN	DE-FG02-09ER16083 10/31/2011 Carmichael	SC-22.13	Radiation Chemistry in the 21st Century: A Visionary Conference, July 2009	0
NOTRE DAME, UNIVERSITY OF Notre Dame, IN	DE-FG02-09ER16073 08/31/2012 Chipman	SC-22.11	Improved Dielectric Solvation Model for Electronic Structure Calculations	137
NOTRE DAME, UNIVERSITY OF Notre Dame, IN	DE-FG02-06ER15830 10/31/2012 Schneider	SC-22.12	Towards Realistic Reaction Environments in Catalysis Simulation	155
NOTRE DAME, UNIVERSITY OF Notre Dame, IN	DE-FG02-07ER15851 02/14/2013 Bohn	SC-22.12	Molecular Aspects of Transport in Thin Films of Controlled Architecture	155
NOTRE DAME, UNIVERSITY OF Notre Dame, IN	DE-FG02-07ER15880 06/30/2013 Burns	SC-22.12	Topological Structural Relationships, Cation-Cation Interactions, and Properties of U(VI), Np(V), Th(IV) Compounds	135
NOTRE DAME, UNIVERSITY OF Notre Dame, IN	DE-FG02-00ER41145 07/31/2012 Losecco	SC-25	Research in CP Violation in the B Meson Sector & OJI Task-Optimizing Higgs Discovery Prospects at the Fermilab	155
NOTRE DAME, UNIVERSITY OF Notre Dame, IN	DE-FG02-95ER40934 06/14/2013 Mathews	SC-26.1	Nuclear Properties at Extreme Density, Temperature, Spin and Isospin	190

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				FY 2011
NOTRE DAME, UNIVERSITY OF Notre Dame, IN	DE-FG02-10ER64986 06/14/2013 Burns	SC-23.1	Inorganic Controls on Neptunium Mobility in the Subsurface	209
NOTRE DAME, UNIVERSITY OF Notre Dame, IN	DE-FG02-11ER65264 08/31/2014 Bohn	SC-23.2	In Situ Correlated Molecular Imaging of Chemically Communicating Microbial Communities	451
PURDUE UNIVERSITY West Lafayette, IN	DE-FG02-08ER54979 12/31/2013 Hassanein	SC-24.2	Integrated Prediction and Benchmarking of Material Damage and Lifetime Analysis During Major Plasma Instabilities in	960
PURDUE UNIVERSITY West Lafayette, IN	DE-FG02-08ER54990 05/14/2014 Allain	SC-24.2	Deciphering the PMI Surface Chemistry of Lithium-based PFCs and its Effects on High Performance Plasmas in NSTX	110
PURDUE UNIVERSITY West Lafayette, IN	DE-FG02-08ER54991 05/14/2014 Hassanein	SC-24.2	Integrated Study of Lithium Expansion and Contamination in the SOL of the Liquid Lithium Divertor of NSTX During Normal and	190
PURDUE UNIVERSITY West Lafayette, IN	DE-FG02-05ER64131 09/14/2012 Nnanna	SC-23.2	Purdue University Calumet Water Environmental Institute	0
PURDUE UNIVERSITY West Lafayette, IN	DE-FG02-09ER55015 06/14/2012 Allain	SC-24.2	An In-Situ Materials Analysis Particle Probe (MAPP) Diagnostic to Study Particle Density Control and Hydrogenic Fuel	133
PURDUE UNIVERSITY West Lafayette, IN	DE-FG02-11ER46819 05/14/2014 Csathy	SC-22.22	Integrated Growth and Ultra-Low Temperature Transport Study of the 2nd Landau Level of the Two-Dimensional Electron Gas	235
PURDUE UNIVERSITY West Lafayette, IN	DE-FG02-10ER41681 05/31/2013 Molnar	SC-26.1	Quantitative Jet and Electromagnetic Tomography (JET) of Extreme Phases of Matter in Heavy-Ion Collisions	22
PURDUE UNIVERSITY West Lafayette, IN	DE-FG02-10ER46696 05/14/2013 Durbin	SC-22.3	Picosecond X-ray Detector for Synchrotrons	138
PURDUE UNIVERSITY West Lafayette, IN	DE-FG02-07ER46398 07/14/2013 Koslowski	SC-22.22	Plastic Strain Recovery in Nanocrystalline Materials	84
PURDUE UNIVERSITY West Lafayette, IN	DE-FG02-07ER46399 07/31/2013 Strachan	SC-22.22	Turnable Hetero-Epitaxial Shape Memory Alloys	80
PURDUE UNIVERSITY West Lafayette, IN	DE-FG02-91ER40681 04/30/2012 Shipsey, Barnes, Gutay, Miller	SC-25	Experimental and Theoretical High Energy Physics Program	1,976
PURDUE UNIVERSITY West Lafayette, IN	DE-FG02-07ER15905 08/31/2014 Chapple	SC-22.13	Regulation of Carbon Allocation to Phenylpropanoid Metabolism	168
PURDUE UNIVERSITY West Lafayette, IN	DE-FG02-88ER40412 12/31/2014 Scharenberg	SC-26.1	The Experimental Study of the Phase Structure of Strongly Interacting Matter	690

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PURDUE UNIVERSITY West Lafayette, IN	DE-FG02-06ER15807 01/14/2013 Cooks	SC-22.12	Preparation of Chemically Functionalized Surfaces through Ion Soft Landing and their Utilization in Heterogeneous Reactions	162
PURDUE UNIVERSITY West Lafayette, IN	DE-FG02-06ER15794 06/30/2012 Abu-Omar	SC-22.12	Oxo Catalyst for the Conversion of Lignocellulosic Biomass	155
PURDUE UNIVERSITY West Lafayette, IN	DE-FG02-06ER15804 07/14/2012 Murphy	SC-22.13	Functional Analysis and Genetic Manipulation of Plant ABCB Organic Ion Transporters	165
PURDUE UNIVERSITY West Lafayette, IN	DE-FG02-10ER26023 08/31/2013 Xiu	SC-21.1	Advanced Dynamically Adaptive Algorithms for Stochastic Simulations on Extreme Scales	50
PURDUE UNIVERSITY West Lafayette, IN	DE-FC02-08ER25864 08/14/2012 Pothén	SC-21.1	Combinatorial Scientific Computing and Petascale Simulations Institute	411
PURDUE UNIVERSITY West Lafayette, IN	DE-FG02-11ER16226 05/31/2012 Ribeiro	SC-22.12	Kokes Awards for the 22nd North American Catalysis Society Meeting, June 5-10, 2011	25
PURDUE UNIVERSITY West Lafayette, IN	DE-FG02-09ER16022 07/14/2012 Pyrak-Nolte	SC-22.12	The Physics of Swarms in Fracture Networks: Integration of Seismic Characterizaion and Controlled Micro-Transport	116
PURDUE UNIVERSITY West Lafayette, IN	DE-FG02-09ER16084 08/31/2014 Savikhin	SC-22.13	Novel Photoprotection Mechanisms in Closely Packed Photosynthetic Antenna Complexes and in Artificial	183
PURDUE UNIVERSITY West Lafayette, IN	DE-FG02-10ER16184 07/31/2013 Pushkar	SC-22.13	SISGR - Understanding Electronic and Atomic Requirements in Catalytic Water Oxidation	150
PURDUE UNIVERSITY West Lafayette, IN	DE-FG02-10CH20014 12/31/2011 Nnanna	SC-23	Purdue University Calumet Water Institute	0
PURDUE UNIVERSITY West Lafayette, IN	DE-FG02-96ER14641 04/30/2012 Basaran	SC-22.12	Electrohydrodynamic Tip Streaming	135
PURDUE UNIVERSITY West Lafayette, IN	DE-FG02-96ER14656 02/14/2013 Zwier	SC-22.11	Isomer-specific spectroscopy and isomerization in aromatic fuels	170
PURDUE UNIVERSITY West Lafayette, IN	DE-FG02-04ER15526 05/14/2013 Staiger	SC-22.13	Regulation of Actin Filament Ends: The Role of Capping Proteins in Stochastic Dynamics and Organelle Behavior	170
PURDUE UNIVERSITY West Lafayette, IN	DE-FG02-03ER15408 06/30/2014 Ribeiro	SC-22.12	Fundamental Studies on the Kinetics of Oxidation Reactions	155
PURDUE UNIVERSITY West Lafayette, IN	DE-FG02-05ER15752 05/31/2014 Choi	SC-22.13	Construction of High Performance, Low Cost Photoelectrodes with Controlled Polycrystalline Architectures	175

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2011
PURDUE UNIVERSITY West Lafayette, IN	DE-FG02-03ER15391 10/31/2013 Lucht	SC-22.11	Advanced Nonlinear Optical Methods for Quantitative Measurements in Flames	120
PURDUE UNIVERSITY West Lafayette, IN	DE-FG02-03ER15466 09/14/2012 Delgass	SC-22.12	Catalyst Design by Discovery Informatics	780
PURDUE UNIVERSITY West Lafayette, IN	DE-FG02-00ER15105 05/31/2012 McLuckey	SC-22.12	The Dynamics and Thermodynamics of Gaseous Macro-ions	150
PURDUE UNIVERSITY West Lafayette, IN	DE-FG02-11ER65329 09/14/2014 Zhuang	SC-23.1	Collaborative Research: Quantifying Climate Feedbacks of the Terrestrial Biosphere Under Thawing Permafrost Conditions in the Arctic	360
PURDUE UNIVERSITY West Lafayette, IN	DE-FG02-08ER64702 09/14/2012 Carpita	SC-23.2	Translational Genomics for the Improvement of Switchgrass	0
Total for IN :				20,449

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Listing of Active Awards for State (KS)

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2011
ER FOR RESEARCH, INC., UNIV OF Lawrence, KS	DE-FG02-04ER15504 12/31/2012 Chu	SC-22.11	Atomic and Molecular Physics in Strong Fields	105
ER FOR RESEARCH, INC., UNIV OF Lawrence, KS	DE-FG02-05ER15708 03/14/2012 Thompson	SC-22.11	Understanding Nanoscale Confinement Effects in Solvent-Driven Chemical Reactions	140
ER FOR RESEARCH, INC., UNIV OF Lawrence, KS	DE-FG02-04ER41308 04/30/2013 Ralston	SC-25	Research in Theoretical Particle Physics	160
ER FOR RESEARCH, INC., UNIV OF Lawrence, KS	DE-FG02-96ER40981 05/31/2014 Sanders	SC-26.1	Research in Heavy-Ion Nuclear Physics at CMS	340
ER FOR RESEARCH, INC., UNIV OF Lawrence, KS	DE-FG02-07ER54940 07/31/2014 Medvedev	SC-24.2	Studies of HED Plasmas with Self-Generated Magnetic Fields	150
ER FOR RESEARCH, INC., UNIV OF Lawrence, KS	DE-FG02-11ER65239 09/14/2014 Mechem	SC-23.1	Collaborative Research: Cloudiness Transitions Within Shallow Marine Clouds Near the Azores	132
KANSAS STATE UNIVERSITY Manhattan, KS	DE-FG02-99ER41093 10/31/2013 Bolton	SC-25	Heavy Quark and Neutrino Physics	735
KANSAS STATE UNIVERSITY Manhattan, KS	DE-FG02-08ER46504 06/30/2012 Jankowiak	SC-22.21	Excitation Energy Transfer in Natural Photosynthetic Complexes and Chlorophyll Trefoils: Hole-Burning and Single	0
KANSAS STATE UNIVERSITY Manhattan, KS	DE-FG02-06ER15832 08/31/2012 Lin	SC-22.11	Time-Resolved Chemical Imaging of Molecules by High-Order Harmonics and Ultra Short Rescattering Electrons	145
KANSAS STATE UNIVERSITY Manhattan, KS	DE-FG02-09ER16095 09/14/2012 Ito	SC-22.12	SISGR - Molecular-Level Investigation of Diffusion Behaviors within Cylindrical Nanoscale Pores	267
KANSAS STATE UNIVERSITY Manhattan, KS	DE-FG02-09ER16115 09/14/2012 Ben-Itzhak	SC-22.11	SISGR - PULSAR: A High-Repetition-Rate, High-power, CE Phase-Locked Laser for the J.R. Macdonald Laboratory	0
KANSAS STATE UNIVERSITY Manhattan, KS	DE-FG02-11ER16281 08/31/2014 Jankowiak	SC-22.13	Resonant and Non-Resonant Hole-Burning and Delta Fluorescence Line-Narrowing Study of BChls in Excitonically Coupled	160
KANSAS STATE UNIVERSITY Manhattan, KS	DE-FG02-10ER16202 09/14/2013 Klabunde	SC-22.12	Nanoscale Molecules Under Thermodynamic Control: "Digestive Ripening" or "Nanomachining"	150
KANSAS STATE UNIVERSITY Manhattan, KS	DE-FG02-86ER13491 02/14/2013 Ben-Itzhak	SC-22.11	Structure and Dynamics of Atomics, Ions, Molecules and Surfaces	2,500
Total for KS :				4,984

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Listing of Active Awards for State (KY)

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2011
KENTUCKY, UNIV. OF RES FOUND Lexington, KY	DE-FG02-08ER41557 04/14/2014 Plaster	SC-26.1	Neutrons and Fundamental Symmetries	150
KENTUCKY, UNIV. OF RES FOUND Lexington, KY	DE-FG02-84ER40154 01/31/2013 Liu	SC-26.1	Lattice QCD Calculation of Hadronic Spectrum, Nucleon Structure, and Finite Density	193
KENTUCKY, UNIV. OF RES FOUND Lexington, KY	DE-FG02-07ER46375 07/14/2014 Grulke	SC-22.21	Nanoscale Materials and Architectures for Energy Conversion	600
KENTUCKY, UNIV. OF RES FOUND Lexington, KY	DE-FG02-00ER45817 03/31/2012 Menon	SC-22.22	Magnetism in Non-Traditional Materials	118
KENTUCKY, UNIV. OF RES FOUND Lexington, KY	DE-FG02-97ER45653 05/14/2014 De Long	SC-22.22	Competing Interactions in Complex Transition Metal Oxides	145
KENTUCKY, UNIV. OF RES FOUND Lexington, KY	DE-FG02-96ER40989 07/14/2014 Gardner	SC-26.1	Fundamental Physics with Hadrons and Nuclei, from Quarks to the Cosmos	110
KENTUCKY, UNIV. OF RES FOUND Lexington, KY	DE-FG02-99ER41101 04/30/2014 Korsch	SC-26.1	Fundamental Studies of Hadronic Structure	190
LE RES. FOUND., INC., UNIV. OF Louisville, KY	DE-FG02-98ER41089 09/14/2012 Brown	SC-25	Contributions to Studies of CP Violation and Hadronic Physics with the Babar Collaboration	105
Total for KY :				1,611

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2011
LOUISIANA BOARD OF REGENTS Baton Rouge, LA	DE-FG02-04ER46136 04/14/2012 Khonsari	SC-22.21	Ubiquitous Computing and Monitoring System (UCoMS) for Discovery and Management of Energy Resources	0
ATE UNIVERSITY AND A&M COLLEGE Baton Rouge, LA	DE-FG02-09ER25922 09/14/2012 Wan	SC-21.1	Stochastic Nonlinear Data-Reduction Methods with Detection and Prediction of Critical Rare Event	42
ATE UNIVERSITY AND A&M COLLEGE Baton Rouge, LA	DE-FG02-91ER40617 03/31/2013 Matthews, Metcalf	SC-25	Research in Elementary Particle Physics and Cosmic Ray Physics	206
ATE UNIVERSITY AND A&M COLLEGE Baton Rouge, LA	DE-FG02-01ER15178 10/31/2013 Poliakoff	SC-22.11	Molecular photoionization studies of nucleobases and correlated systems	155
ATE UNIVERSITY AND A&M COLLEGE Baton Rouge, LA	DE-FG02-98ER20310 08/31/2014 Bricker	SC-22.13	Photosystem II: Structure and Assembly	360
ATE UNIVERSITY AND A&M COLLEGE Baton Rouge, LA	DE-FG02-10ER46717 06/30/2013 Draayer	SC-22.21	Ab Initio Nuclear Structure and Reaction Calculations for Rare Isotopes	15
ATE UNIVERSITY AND A&M COLLEGE Baton Rouge, LA	DE-FG02-09ER46649 09/14/2012 Plummer	SC-22.21	SISGR - Emerging Functionality in Transition-Metal Compounds Driven by Spatial Confinement	380
ATE UNIVERSITY AND A&M COLLEGE Baton Rouge, LA	DE-FG02-07ER46420 07/31/2013 Adams	SC-22.22	Quantum Transport in Thin Film Correlated Insulators	170
ATE UNIVERSITY AND A&M COLLEGE Baton Rouge, LA	DE-FG02-08ER46492 06/14/2012 Vekhter	SC-22.21	Inhomogeneous Disordered Dirac Fermions: From Heavy Fermion Superconductors to Graphene	0
ATE UNIVERSITY AND A&M COLLEGE Baton Rouge, LA	DE-FG02-09ER46576 07/31/2014 Spivey	SC-22.11	Computational Catalysis and Atomic-Level Synthesis of Materials: Building Effective Catalysts from First Principles - EFRS	2,377
ATE UNIVERSITY AND A&M COLLEGE Baton Rouge, LA	DE-FG02-10ER41707 08/31/2013 Blackmon	SC-26.2	The Structure of Nuclei far From Stability	9
ATE UNIVERSITY AND A&M COLLEGE Baton Rouge, LA	DE-FG02-96ER40978 03/14/2014 Blackmon	SC-26.1	Studying Nuclei Far From Stability	208
LOUISIANA TECH UNIVERSITY Ruston, LA	DE-FG02-10ER46723 07/31/2013 Wobisch	SC-22.21	Searches for New Physics Phenomena in Hadronic Jet Production in the Early ATLAS Data	8
LOUISIANA TECH UNIVERSITY Ruston, LA	DE-FG02-99ER41117 04/14/2013 Sawyer	SC-25	Research in High Energy Physics	240
TULANE EDUCATIONAL FUND New Orleans, LA	DE-FG02-05ER15702 11/14/2011 Diebold	SC-22.12	Towards a Molecular-Scale Understanding of Surface Chemistry and Photocatalysis on Metal Oxides: Surface Science Experiments and First-Principles Theory	0

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2011
TULANE EDUCATIONAL FUND New Orleans, LA	DE-FG02-96ER14617 05/31/2014 Schmehl	SC-22.13	Energy, Electron Transfer and Photocatalytic Reactions of Visible Light Absorbing Transition Metal Complexes	179
TULANE EDUCATIONAL FUND New Orleans, LA	DE-FC02-06ER64298 02/28/2013 Tornqvist	SC-23.1	Center for Riparian and Coastal Ecosystem Research	0
TULANE EDUCATIONAL FUND New Orleans, LA	DE-FG02-10ER46719 07/14/2013 Blake	SC-22.21	Antibodies to Radionuclides: Engineering by Surface Display for Immunosensors	15
XAVIER UNIVERSITY OF LOUISIANA New Orleans, LA	DE-FG02-11ER65272 08/31/2014 Blake	SC-23.2	Real Time Absorbance Measurements of Electron Transfer Reactions in Live Bacteria that Reduce Extracellular Iron	170
Total for LA :				4,534

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2011
AERODYNE RESEARCH, INC. Billerica, MA	DE-FG02-11ER65149 04/14/2014 Worsnop	SC-23.1	COLLABORATIVE RESEARCH: Study of Aerosol Sources and Processing at the GVAX Pantnagar Supersite	239
ALPHAMED, INC Sheldonville, MA	DE-FG02-11ER65129 02/29/2012 Moore	SC-23.2	Targeted Radiotherapy for Melanoma	291
N ACADEMY OF ARTS AND SCIENCES Cambridge, MA	DE-FG02-11ER35917 05/14/2012 Berlowitz	SC-2	Alternative Energy Future	300
RIC & ENVIRONMENTAL RES., INC. Lexington, MA	DE-FG02-11ER65306 09/14/2014 Iacono	SC-23.1	Enhancing Cloud Radiative Processes and Radiation Efficiency in the Advanced Research Weather Research and Forecasting (WRF) Model	185
BOSTON COLLEGE, TRUSTEES OF Chestnut Hill, MA	DE-FG02-93ER14359 06/30/2012 Scott	SC-22.12	High Temperature Chemistry of Aromatic Hydrocarbons	165
BOSTON COLLEGE, TRUSTEES OF Chestnut Hill, MA	DE-FG02-91ER20025 08/31/2012 Roberts	SC-22.13	Osmoregulation in Methanogens	130
BOSTON COLLEGE, TRUSTEES OF Chestnut Hill, MA	DE-FG02-09ER46633 09/14/2012 Wang	SC-22.22	SISGR - Focused Research Center in Correlated Electronic Materials	390
BOSTON COLLEGE, TRUSTEES OF Chestnut Hill, MA	DE-FG02-10ER46755 08/14/2013 Padilla	SC-22.22	Metamaterials as a Platform for the Development of Novel Materials for Energy Applications	100
BOSTON COLLEGE, TRUSTEES OF Chestnut Hill, MA	DE-FG02-00ER45805 03/14/2014 Ren	SC-22.22	High Performance Bulk Thermoelectric Materials	150
BOSTON COLLEGE, TRUSTEES OF Chestnut Hill, MA	DE-FG02-11ER65185 08/14/2014 Davidovits	SC-23.1	Laboratory Experiments and Instrument Intercomparison Studies of Carbonaceous Aerosol Particles	399
BOSTON UNIVERSITY Boston, MA	DE-FG02-11ER65328 09/14/2014 Anderson	SC-23.1	Detection of Historical and Future Precipitation Variations and Extremes Over the Continental United States	387
BOSTON UNIVERSITY Boston, MA	DE-FG02-11ER65232 09/14/2014 Finzi	SC-23.1	Partitioning CO2 Fluxes with Isotopologue Measurements and Modeling to Understand Mechanisms of Forest Carbon Sequestration	79
BOSTON UNIVERSITY Boston, MA	DE-FG02-03ER46037 10/31/2012 Ludwig	SC-22.21	Real-time X-ray Studies of Surface and Thin Film Processes	0
BOSTON UNIVERSITY Boston, MA	DE-FG02-98ER45680 12/14/2013 Smith	SC-22.22	Probing the Origins of Conductivity Transitions in Correlated Solids: Experimental Studies of Electronic Structure in Vanadium Oxides	150
BOSTON UNIVERSITY Boston, MA	DE-FG02-85ER45222 06/30/2012 El-Batanouny	SC-22.23	Investigations of Surface Structural, Dynamical and Magnetic Properties of Systems Exhibiting Multiferroicity,	145

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands)
				FY 2011
BOSTON UNIVERSITY Boston, MA	DE-FG02-06ER46332 12/31/2012 Paiella	SC-22.23	Plasmonic Nanostructures Integrated with Semiconductor Light Emitting Materials for Enhanced Efficiency and Functionality	155
BOSTON UNIVERSITY Boston, MA	DE-FG02-06ER46316 11/14/2012 Chamon	SC-22.22	Quantum Nanowire Multi-Connections	114
BOSTON UNIVERSITY Boston, MA	DE-FG02-09ER46643 09/14/2012 Averitt	SC-22.21	SISGR - Multifunctional Materials Research Using Ultrafast Optical Spectroscopy	149
BOSTON UNIVERSITY Boston, MA	DE-FG02-08ER46512 08/31/2014 Castro Neto	SC-22.22	The Physics of Graphene	110
BOSTON UNIVERSITY Boston, MA	DE-FG02-07ER64483 09/14/2012 Collins	SC-23.2	A Systems Biology Platform for Characterizing Regulatory and Metabolic Pathways that Influence and Control Microbial Hydrogen Production	0
BOSTON UNIVERSITY Boston, MA	DE-FG02-08ER64564 06/14/2012 Knyazikhin	SC-23.1	Use of ARM Measurements of Spectral Zenith Radiance for Better Understanding of 3D Cloud-Radiation Processes and	0
BOSTON UNIVERSITY Boston, MA	DE-FG02-09ER64797 08/31/2012 Goldstein	SC-23.2	Non-Invasive Detection and Molecular Analysis of Early Low X-Ray Dose Effects to the Lens	341
BOSTON UNIVERSITY Boston, MA	DE-FG02-11ER16253 02/14/2015 Doerrler	SC-22.13	Development of Earth-Abundant Transition Metal Catalysts for Water Oxidation	100
BOSTON UNIVERSITY Boston, MA	DE-FG02-95ER14498 11/30/2013 Klein	SC-22.12	Statistical Mechanics of Defect-Mediated Dynamics in Complex Geomaterials	174
BOSTON UNIVERSITY Boston, MA	DE-FC02-06ER41440 09/14/2012 Brower, Rebbi	SC-25	SciDAC: National Computational Infrastructure for Lattice Gauge Theory	211
BOSTON UNIVERSITY Boston, MA	DE-FG02-91ER40676 01/31/2013 Stone	SC-25	Research in Particle Physics	2,166
BOSTON UNIVERSITY Boston, MA	DE-FC02-10ER25994 08/31/2013 Appavoo	SC-21.1	A Fault-Oblivious Extreme-Scale Execution Environment	63
BRANDEIS UNIVERSITY Waltham, MA	DE-FG02-92ER40706 12/31/2012 Blocker	SC-25	Research in Elementary Particle Physics	937
BRANDEIS UNIVERSITY Waltham, MA	DE-FG02-05ER15699 08/14/2013 Kern	SC-22.12	Catalysis, Dynamics and Stability of Enzymes Under Extreme Conditions	170
CLARK UNIVERSITY Worcester, MA	DE-FG02-02ER15367 01/14/2013 Kudrolli	SC-22.12	Physics of Channelization: Theory, Experiment, and Observation	65

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands)
				FY 2011
HARVARD COLLEGE Boston, MA	DE-FG02-10ER46751 05/14/2014 Aizenberg	SC-22.23	Actuation of Bioinspired, Adaptive "HAIRS" Powered by Responsive Hydrogels	410
HARVARD COLLEGE Boston, MA	DE-FG02-02ER63445 11/30/2016 Church	SC-23.2	Microbial Ecology, Proteogenomics and Computational Optima	2,191
HARVARD COLLEGE Boston, MA	DE-FG02-05ER64089 12/31/2012 Little	SC-23.2	Bystander Effects of Ionizing Radiation	52
HARVARD UNIVERSITY Cambridge, MA	DE-FG02-91ER40654 04/30/2012 Franklin, Stubbs, Strominger	SC-25	Research in High Energy Physics	2,040
HARVARD UNIVERSITY Cambridge, MA	DE-FC02-06ER25790 09/14/2012 Kaxiras	SC-21.1	Hierarchical Petascale Simulation Framework for Stress Corrosion Cracking	0
HARVARD UNIVERSITY Cambridge, MA	DE-FG02-09ER16104 09/14/2012 Xie	SC-22.11	SISGR: Room Temperature Single-Molecule Detection and Imaging by Stimulated Emission Microscopy	220
HARVARD UNIVERSITY Cambridge, MA	DE-FG02-02ER15316 06/14/2014 Doyle	SC-22.11	Ultracold Molecules: Physics in the Quantum Regime	140
HARVARD UNIVERSITY Cambridge, MA	DE-FG02-88ER13861 03/31/2012 Dalgarno	SC-22.11	Theoretical Investigations of Atomic Collision Physics	135
HARVARD UNIVERSITY Cambridge, MA	DE-FG02-84ER13289 11/30/2012 Friend	SC-22.12	Molecular-Scale Understanding of Selective Oxidative Transformation of Alcohols Promoted by Au and Au-Based Alloys	180
HARVARD UNIVERSITY Cambridge, MA	DE-FG02-08ER64556 05/14/2012 Kuang	SC-23.1	Using ARM Observations to Evaluate and Improve Wave-Convection Interactions in Global Climate Models: An Extended Single Column Modeling Approach	0
HARVARD UNIVERSITY Cambridge, MA	DE-FG02-06ER46335 05/14/2013 Aziz	SC-22.23	Nanoscale Morphology Evolution under Ion Irradiation	143
HARVARD UNIVERSITY Cambridge, MA	DE-FG02-00ER45852 01/31/2014 Whitesides	SC-22.23	Dynamic Self-Assembly, Emergence, and Complexity	200
HARVARD UNIVERSITY Cambridge, MA	DE-FG02-01ER45921 03/14/2012 Parks	SC-22.21	Electron Diffraction Determination of Nanoscale Structures	0
HARVARD UNIVERSITY Cambridge, MA	DE-FG02-08ER46513 08/31/2014 Heller	SC-22.22	Theory of Electron Imaging in Small Devices	120
HARVARD UNIVERSITY Cambridge, MA	DE-FG02-07ER46422 05/14/2013 Westervelt	SC-22.22	Electron Imaging in Graphene	140

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HARVARD UNIVERSITY Cambridge, MA	DE-FG02-09ER46646 09/14/2012 Yacoby	SC-22.21	SISGR - Transport and Imaging of Mesoscopic Phenomena in Single and Bilayer Graphene	400
HARVARD UNIVERSITY Cambridge, MA	DE-FG02-11ER65258 08/31/2014 Xie	SC-23.2	Study of Plant Cell Wall Polymers Affected by Metal Accumulation Using Stimulated Raman Scattering Microscopy	350
HARVARD UNIVERSITY Cambridge, MA	DE-FG02-11ER65259 08/31/2014 Marx	SC-23.2	Modeling, Patterning and Evolving Syntrophic Communities that Link Fermentation to Metal Reduction	529
HARVARD UNIVERSITY Cambridge, MA	DE-FG02-11ER65236 09/14/2015 Martin	SC-23.1	The ARM Climate Research Facility in the Amazon Basin	51
HARVARD UNIVERSITY Cambridge, MA	DE-FG02-11ER65317 09/14/2014 Moorcroft	SC-23.1	Partitioning CO2 Fluxes with Isotopologue Measurements and Modeling to Understand Mechanisms of Forest Carbon Sequestration	62
HARVARD UNIVERSITY Cambridge, MA	DE-FG02-11ER65302 09/14/2013 Hansel	SC-23.1	In-Situ Generation of Iron-Chromium Precipitates for Long Term Immobilization of Chromium at the Hanford 100H Site	28
HARVARD UNIVERSITY Cambridge, MA	DE-FG02-11ER65284 09/14/2014 Martin	SC-23.1	Process Studies of Climatically Relevant Parts of the Aerosol Life Cycle: Chamber Experiments on the Role of Aqueous-Phase Chemistry in CCN Activity of Secondary	292
HARVARD UNIVERSITY Cambridge, MA	DE-FG02-11ER65287 09/14/2013 Johnston	SC-23.1	Development of New and Integrated Stable Isotope Tools for Characterizing Nitrogen-Uranium Cycling in Subsurface	149
MARINE BIOLOGICAL LABORATORY Woods Hole, MA	DE-FG02-08ER64648 08/14/2012 Melillo	SC-23.1	Impacts of Climate Change on Biofuels Production	160
MARINE BIOLOGICAL LABORATORY Woods Hole, MA	DE-FG02-08ER64517 12/31/2012 Melillo	SC-23.1	Effects of Warming on Tree Species' Recruitment in Deciduous Forests of the Eastern United States	641
MARINE BIOLOGICAL LABORATORY Woods Hole, MA	DE-FG02-85ER13361 04/30/2015 Zinder	SC-22.13	Investigations into the Metabolic Diversity of Microorganisms as Part of Microbial Diversity	45
MARINE BIOLOGICAL LABORATORY Woods Hole, MA	DE-FG02-11ER65202 08/31/2013 Tang	SC-23.1	Quantifying the Control of Plant Photosynthesis on Root Respiration by Measuring and Manipulating Photosynthate	149
MARINE BIOLOGICAL LABORATORY Woods Hole, MA	DE-FG02-11ER65332 09/14/2014 Melillo	SC-23.1	Collaborative Research: Quantifying Climate Feedbacks of the Terrestrial Biosphere Under Thawing Permafrost Conditions in the Arctic	270
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-08ER64592 07/14/2012 Hill	SC-23.1	Collaborative Research: Abrupt Climate Change and the Atlantic Meridional Overturning Circulation - Sensitivity and	0
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-11ER65331 09/14/2014 Schlosser	SC-23.1	Collaborative Research: Quantifying Climate Feedbacks of the Terrestrial Biosphere Under Thawing Permafrost Conditions in the Arctic	270

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MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-09ER46636 09/14/2012 Tuller	SC-22.22	SISGR - Chemomechanics of Far-From-Equilibrium Interfaces (COFFEI)	880
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-09ER46668 09/14/2012 Chiang	SC-22.22	Electrochemically-Driven Phase Transitions in Battery Storage Compounds	196
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-11ER46793 07/14/2016 Jarillo-Herrero	SC-22.22	Quantum Transport in Topological Insulator Nanoelectronic Devices	152
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-11ER46794 07/15/2016 Gedik	SC-22.21	Optical Manipulation and Detection of Emergent Phenomena in Topological Insulators	175
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-07ER46474 06/30/2013 Baldo	SC-22.23	High Efficiency Biomimetic Organic Solar Cells	275
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-07ER46454 08/31/2013 Bawendi	SC-22.22	Probing Nanocrystal Electronic Structure and Dynamics in the Limit of Single Nanocrystals	235
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-08ER46488 08/14/2014 Strano	SC-22.23	Self Assembly and Self-Repair of Novel Photosynthetic Reaction Center/Single Walled Carbon Nanotube Complexes for Solar	218
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-09ER46556 07/31/2013 Moncton	SC-22.21	Optics for Advanced Neutron Imaging and Scattering	281
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-09ER46577 07/31/2014 Chen	SC-22.22	Solid-State Solar-Thermal Energy Conversion Center (S3TEC CENTER) -- EFRCC	3,280
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-08ER46514 07/31/2014 Ashoori	SC-22.22	Novel Temperature Limited Tunneling Spectroscopy of Quantum Hall Systems	175
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-08ER46515 07/31/2014 Kastner	SC-22.22	Measurement of Single Electronic Charging of Semiconductor Nano-Crystal	149
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-08ER46521 08/14/2014 Gedik	SC-22.21	Ultrafast Electronic and Structural Dynamics in Quantum Materials	175
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-10ER41721 12/31/2011 Bertschinger	SC-25	Conference for Undergraduate Women in Physics	61
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-11ER41726 08/31/2012 Milner	SC-26.2	Development of a Polarized 3He Ion Source for RHIC	150
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-11ER41727 02/29/2012 Redwine	SC-26.2	High Intensity Polarized Gun	586

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MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-11ER41729 04/30/2012 Milner	SC-25	Particles and Nuclear International Conference PANIC11 at MIT in July 2011	35
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-11ER41741 07/14/2016 Thaler	SC-25	Interpreting New Data from the High Energy Frontier	150
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-90ER45429 10/31/2014 Chen	SC-22.21	Neutron and X-Ray Scattering Studies of the Liquid-Liquid Transition in Supercooled Confined Water and the Phonon-Like Collective Excitation in	295
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-96ER45571 08/31/2013 Ceder	SC-22.22	First Principles Determination of Structure, Thermodynamics, and Transport in Metals and Oxides	173
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-04ER46149 05/31/2014 Benedek	SC-22.23	Self-Assembling Biological Springs: Force Transducers on the Micron and Nanoscale	125
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-04ER46134 11/30/2013 Lee	SC-22.21	A Unified Effort for Crystal Growth, Neutron Scattering, and X-ray Scattering Studies of Novel Correlated Electron	288
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-03ER46076 11/30/2012 Lee	SC-22.22	Strongly Correlated Electronic Systems: Local Moments and Conduction Electrons	160
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-02ER45977 12/31/2013 Chen	SC-22.22	Near-field Thermal Radiation Between Two Objects at Extreme Separations	256
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-03ER54700 03/31/2012 Coppi	SC-24.2	Physics of High Energy Plasmas	412
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FC02-04ER54802 02/14/2016 Sugiyama	SC-24.2	Center for Extended Magnetohydrodynamic Modeling	65
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FC02-06ER54859 01/14/2012 Sugiyama	SC-24.2	SciDAC - Center for Plasma Edge Simulation	66
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FC02-06ER54855 01/14/2013 Ramos	SC-24.2	SciDAC - Simulation of Wave Interactions with MHD	100
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-06ER54891 07/31/2012 Hutchinson	SC-24.2	Interactions of a Flowing Plasma with a Collecting Sphere	84
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-05ER54836 05/31/2012 Chen	SC-24.2	Exploration of Plasma Jets Approach to High Energy Density Physics	60
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-94ER54235 12/14/2012 Porkolab	SC-24.2	Experimental Research in Advanced Physics and Technology	551

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MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FC02-93ER54186 11/14/2012 Minervini	SC-24.2	Fusion Development and Technology	1,370
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-99ER54525 03/14/2014 Bonoli	SC-24.2	Full-wave Studies of High Harmonic Heating in NSTX with Application to Transport Analysis, Fast Ion Interactions and Antenna Coupling	60
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FC02-99ER54512 10/31/2013 Marmar, Porkolab, Hutchinson	SC-24.2	Alcator C-Mod Fusion Research Program	23,716
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-98ER54458 10/31/2012 Kesner	SC-24.2	Levitated Dipole Experiment	290
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-91ER54109 11/14/2011 Catto	SC-24.2	Theoretical Research in Advanced Physics and Technology	1,305
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-11ER46824 08/14/2014 Olsen	SC-22.21	Thermodynamics of Self-Assembly in Globular Protein-Polymer Conjugates	250
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-11ER46813 08/14/2016 Dinca	SC-22.23	Electronic and Ionic Conductors from Ordered Microporous Materials	150
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FC02-01ER54648 03/31/2016 Bonoli	SC-24.2	Center for Simulation of Wave-Plasma Interactions	198
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FC02-08ER54966 02/14/2016 Ernst	SC-24.2	Center for the Study of Plasma Microturbulence	130
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FC02-08ER54969 02/14/2016 Ramos	SC-24.2	MIT PSFC Participation in Center for Extended Magnetohydrodynamics Modeling	65
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-94ER61937 12/14/2013 Prinn, Jacoby	SC-23.1	An Integrated Framework for Climate Change Assessment	1,550
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-11ER55099 07/31/2014 Egedal-Pedersen	SC-24.2	The Electron Diffusion Region in 3D Spontaneous Magnetic Reconnection	180
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-11ER55092 07/14/2016 White	SC-24.2	Electron Temperature Fluctuation Measurements and Transport Model Validation at Alcator C-Mod	150
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-08ER64597 07/31/2012 Schlosser	SC-23.1	Quantifying Climate Feedbacks From Abrupt Changes in High-Latitude Trace-Gas Emissions	0
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-11ER16227 06/30/2012 Green, Jr.	SC-22.11	International Conference on Chemical Kinetics at MIT, July 10-14, 2011	9

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MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-99ER15004 01/14/2013 Rothman	SC-22.12	Physics of Channelization: Theory and Observation	186
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-99ER14988 02/28/2015 Tokmakoff	SC-22.11	Structural Dynamics in Complex Liquids Studied with Multidimensional Vibrational Spectroscopy	606
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-98ER14914 12/14/2013 Green, Jr.	SC-22.11	Computer-Aided Construction of Chemical Kinetic Models	80
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-97ER14760 08/31/2012 Evans	SC-22.12	Collaborative Research: Evolution of Pore Structure and Permeability of Rocks Under Hydrothermal Conditions	369
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-87ER13671 10/31/2014 Field	SC-22.11	Spectroscopic and Dynamical Studies of Highly Energized Small Polyatomic Molecules	160
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-86ER13564 11/30/2012 Schrock	SC-22.12	The Polymerization of Olefins and Alkynes with New Alkylidene Catalysts	170
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-05ER15745 10/31/2014 Nocera	SC-22.13	Hangman Catalysts for Photo- and Photoelectro- Chemical Activation of Small Molecules	190
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-05ER15728 06/14/2012 Shao-Horn	SC-22.12	Towards fundamental understanding the mechanisms of oxygen reduction and evolution electrocatalysis on perovskite	80
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-00ER15087 06/30/2014 Nelson	SC-22.11	Nonlinear Materials Spectroscopies Probed by Ultrafast X-Rays	220
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-94ER40818 10/31/2013 Milner	SC-26.1	Research in Nuclear Physics	8,209
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-95ER40919 03/31/2013 Chen	SC-25	Theoretical and Computational Investigation of Periodically Focused Intense Charged Particle Beams	217
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-91ER40648 11/30/2012 Temkin	SC-25	17 GHz High Gradient Accelerator Research	424
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FC02-06ER41444 03/14/2012 Negele	SC-25	SciDAC: National Computational Infrastructure for Lattice Gauge Theory	0
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-05ER41360 10/31/2013 Milner	SC-25	Laboratory for Nuclear Science - High Energy Physics Program	8,060
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-09ER25943 09/14/2012 Marzouk	SC-21.1	Large Scale Optimization for Bayesian Inference in Complex Systems	149

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MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FC02-10ER25998 08/31/2013 Solar Lezama	SC-21.1	Software Synthesis for High Productivity Exascale Computing	391
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-08ER25858 08/15/2012 Willcox	SC-21.1	Large-Scale Optimization for Bayesian Inference in Complex Systems	0
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-07ER15839 11/30/2012 Durham	SC-22.12	Rheological Properties of Earth's Upper Mantle at High Pressure: Roles of Melt, Water and Pressure	90
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FC02-11ER26058 08/31/2016 Marzouk	SC-21.1	Quantification of Uncertainty in Extreme Scale Computations (QUEST)	150
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FC02-10ER26009 08/31/2013 Amarasinghe	SC-21.1	ZettaBricks: A Language Compiler and Runtime System for Anyscale Computing	729
CHUSETTS, UNIVERSITY OF LOWELL Lowell, MA	DE-FG02-94ER40848 03/31/2014 Chowdhury	SC-26.1	Single-Particle and Collective Phenomena in Nuclei	228
USETTS, UNIVERSITY OF, AMHERST Amherst, MA	DE-FG02-88ER40415 12/31/2014 Miskimen, Kumar	SC-26.1	Precision Tests of QCD and Electroweak Interaction	625
USETTS, UNIVERSITY OF, AMHERST Amherst, MA	DE-FG02-92ER40715 12/31/2012 Willocoq, Brau	SC-25	Experimental Elementary Particle Physics Research	469
USETTS, UNIVERSITY OF, AMHERST Amherst, MA	DE-FG02-09ER25881 08/31/2012 Katsoulakis	SC-21.1	Multiscale Mathematics & Optimization for Complex Systems	84
USETTS, UNIVERSITY OF, AMHERST Amherst, MA	DE-FG02-03ER15421 08/14/2012 Baskin	SC-22.13	Cellulose and the Control of Growth Anisotropy	170
USETTS, UNIVERSITY OF, AMHERST Amherst, MA	DE-FG02-05ER15695 11/14/2013 Barnes	SC-22.12	Renewal Application for Chemical Microscopy of Conjugated Polymers (DE-FG02-05ER15695)	129
USETTS, UNIVERSITY OF, AMHERST Amherst, MA	DE-FG02-87ER13744 05/31/2014 Jackson	SC-22.11	Theory of the Reaction Dynamics of Small Molecules on Metal Surfaces	165
USETTS, UNIVERSITY OF, AMHERST Amherst, MA	DE-FG02-11ER16234 07/14/2016 Dauenhauer	SC-22.12	Natural Catalysts for Molten Cellulose Pyrolysis to Targeted Bio-Oils	160
USETTS, UNIVERSITY OF, AMHERST Amherst, MA	DE-FG02-11ER16260 07/31/2012 Vierling	SC-22.13	Hsp100/ClpB Chaperone Function and Mechanism	186
USETTS, UNIVERSITY OF, AMHERST Amherst, MA	DE-FC02-02ER63446 08/31/2012 Lovley	SC-23.2	Genome-Based Models to Optimize In Situ Bioremediation of Uranium and Harvesting Electrical Energy from Waste Organic	0

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USETTS, UNIVERSITY OF, AMHERST Amherst, MA	DE-FG02-11ER46804 07/14/2016 Hayward	SC-22.23	Crystallization-Driven Assembly of Conjugated-Polymer-Based Nanostructures	150
USETTS, UNIVERSITY OF, AMHERST Amherst, MA	DE-FG02-04ER46126 03/14/2014 Russell	SC-22.21	Nanoparticles Assemblies at Fluid Interfaces	168
USETTS, UNIVERSITY OF, AMHERST Amherst, MA	DE-FG02-96ER45612 06/14/2013 Russell	SC-22.23	Interfacial Behavior of Polymers: Using Interfaces to Manipulate Polymers	335
USETTS, UNIVERSITY OF, AMHERST Amherst, MA	DE-FG02-07ER46466 08/31/2013 Monson	SC-22.22	Modeling the Self-Assembly of Ordered Nanoporous Materials	185
USETTS, UNIVERSITY OF, AMHERST Amherst, MA	DE-FG02-07ER46407 07/31/2013 Maroudas	SC-22.22	Surface Engineering by Simultaneous Action of Multiple External Fields	245
USETTS, UNIVERSITY OF, AMHERST Amherst, MA	DE-FG02-11ER65304 09/14/2014 Condron	SC-23.1	High-Resolution Model Development to Quantify the Impact of Icebergs on the Stability of the Atlantic Meridional	297
USETTS, UNIVERSITY OF, AMHERST Amherst, MA	DE-FG02-11ER65247 09/14/2014 Lovley	SC-23.1	Real Time Monitoring of Rates of Subsurface Microbial Activity Associated With Natural Attenuation and Electron Donor Availability	341
USETTS, UNIVERSITY OF, AMHERST Amherst, MA	DE-FG02-10ER64960 05/31/2013 Lovley	SC-23.1	Mechanisms for Electron Transfer Through Pili to Fe(III) Oxide in Geobacter	271
USETTS, UNIVERSITY OF, AMHERST Amherst, MA	DE-FG02-10ER64951 05/14/2013 Lovley	SC-23.1	Coupled in Silico Microbial and Geochemical Reactive Transport Models: Extension to Multi-Organism Communities	332
USETTS, UNIVERSITY OF, AMHERST Amherst, MA	DE-FG02-10ER64998 06/30/2013 Lovley	SC-23.2	Systems Level Analysis of Function & Adaptive Responses of Methanogenic Consortia	762
USETTS, UNIVERSITY OF, AMHERST Amherst, MA	DE-FG02-11ER65169 08/14/2016 Hazen	SC-23.2	Plant-Microbe Genomic Systems Optimization for Energy	150
HUSETTS, UNIVERSITY OF, BOSTON Boston, MA	DE-FG02-08ER64602 07/31/2012 Antonak	SC-23.2	Boston Environmental Area Coastal Observation Network (BEACON) at the University of Massachusetts Boston	0
ETTS, UNIVERSITY OF, DARTMOUTH Dartmouth, MA	DE-FG02-10ER26022 08/31/2013 Vokkarane	SC-21.1	COMMON: Coordinated Multi-Layer Multi-Domain Optical Network Framework for Large-Scale Science Applications	175
NORTHEASTERN UNIVERSITY Boston, MA	DE-FG02-09ER64823 08/31/2013 Hanson	SC-23.2	Training Program in Radiochemistry and Radiotracer Development	1,199
NORTHEASTERN UNIVERSITY Boston, MA	DE-FG02-11ER46818 08/31/2014 Bansil	SC-22.22	CMCSN: Computational Time-Resolved and Resonant X-Ray Scattering of Strongly Correlated Materials	320

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NORTHEASTERN UNIVERSITY Boston, MA	DE-FG02-07ER46352 12/14/2013 Bansil, Markiewicz	SC-22.22	Electronic Structure, Spectroscopy, and Correlation Effects in Novel Materials	261
NORTHEASTERN UNIVERSITY Boston, MA	DE-FG02-07ER46400 07/14/2013 Karma	SC-22.22	Bridging Atomistic and Continuum Scales in Phase-Field Modeling of Stressed Polycrystalline Materials with Solid/Liquid Interfacial Defects	146
NORTHEASTERN UNIVERSITY Boston, MA	DE-FG02-10ER46711 06/30/2013 Lewis	SC-22.22	Magnetostructural Materials	184
NORTHEASTERN UNIVERSITY Boston, MA	DE-FG02-10ER64944 05/31/2012 Gu	SC-23.1	Quantitative Characterization of Cell Aggregation/Adhesion as Predictor for Distribution and Transport of Microorganisms in Subsurface Environment	25
NIAN ASTROPHYSICAL OBSERVATORY Cambridge, MA	DE-FG02-09ER41619 07/31/2013 Benbow	SC-25	Expanding the Discovery Potential of Veritas Via Moonlight Observations	85
NIAN ASTROPHYSICAL OBSERVATORY Cambridge, MA	DE-FG02-91ER40635 04/30/2013 Benbow	SC-25	The Application of Two Dimensional Imaging to Very High Energy Gamma Ray Astronomy	470
EARCH & SPECIALTY PROJECT CORP Boston, MA	DE-FG02-09ER64808 07/31/2012 Hahnfeldt	SC-23.2	Implications of Population Heterogeneity for Low-Dose Risk	472
EARCH & SPECIALTY PROJECT CORP Boston, MA	DE-FG02-09ER64814 07/31/2014 Hlatky	SC-23.2	Multi-Scale Systems Biology of Low-Dose Carcinogenesis Risk	1,500
TUFTS UNIVERSITY Medford, MA	DE-FG02-09ER55039 08/14/2012 Hopwood	SC-24.2	Instabilities in Nonthermal Atmospheric Pressure Plasma	93
TUFTS UNIVERSITY Medford, MA	DE-FG02-92ER40702 04/30/2012 Mann, Schneps	SC-25	High Energy Physics at Tufts University	944
TUFTS UNIVERSITY Medford, MA	DE-FG02-07ER15900 01/31/2013 Garven	SC-22.12	Physiochemical Evidence of Faulting Processes and Modeling of Fluid Flow in Evolving Fault Systems in Southern	117
TUFTS UNIVERSITY Medford, MA	DE-FG02-06ER15799 06/30/2012 Rybak-Akimova	SC-22.12	Mechanism-Based Design of Biomimetic Green Oxidation Catalysts	155
TUFTS UNIVERSITY Medford, MA	DE-FG02-10ER16170 06/30/2014 Sykes	SC-22.11	A Single-Molecule Approach for Understanding and Utilizing Surface and Subsurface Absorption to Control Chemical	132
TUFTS UNIVERSITY Medford, MA	DE-FG02-05ER15730 09/14/2014 Flytzani-Stephanopou	SC-22.12	Metal ion sites on oxide supports as catalysts for the water-gas shift and methanol steam reforming reactions	300
TUFTS UNIVERSITY Medford, MA	DE-FG02-09ER64780 07/31/2012 Pennell	SC-23.1	Design and Application of Microbial Uranium Reduction Monitoring Tools (MURMoT)	17

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 Listing of Active Awards for State (MA)

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2011
WOODS HOLE OCEANOGRAPHIC INST. Woods Hole, MA	DE-FG02-11ER65352 09/14/2014 Kwon	SC-23.1	Collaborative Project: Ocean-Atmosphere Interaction from Meso to Planetary Scale: Mechanisms, Parameterization, and Variability	49
WOODS HOLE RESEARCH CENTER Falmouth, MA	DE-FG02-11ER65316 09/14/2014 Davidson	SC-23.1	Partitioning CO2 Fluxes With Isotopologues Measurements and Modeling to Understand Mechansims of Forest Carbon Sequestration	108
ORCESTER POLYTECHNIC INSTITUTE Worcester, MA	DE-FG02-10ER26032 08/31/2013 Walker	SC-21.1	Anderson Acceleration for Fixed-point Iterations	138
Total for MA :				89,285

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Information Management for Office of Science (IMSC)
Listing of Active Awards for State (MD)

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands)
				FY 2011
AN SOCIETY OF PLANT BIOLOGISTS Rockville, MD	DE-FG02-11ER65166 03/14/2013 Fagen	SC-23.2	Plant Science Research Summit: Grand Challenges in Plant Science Research for the 21st Century, September 22-23, 2011	48
S DEPT OF, ABERDEEN PROVING GR Aberdeen Proving Ground, MD	DE-AI02-11ER55100 06/30/2012 McMorrow	SC-24.2	Tritium Production	481
GLOBAL ENVIRONMENT AND SOCIETY Calverton, MD	DE-FG02-11ER65244 09/14/2014 Stan	SC-23.1	To Conduct & Analyze Simulations of Anthropogenic Climate Change Based on a Version of the CESM in Which the	328
AL EPIDEMIOLOGY INSTITUTE, LTD Rockville, MD	DE-FG02-10ER64954 04/15/2012 Boice	SC-23.2	Epidemiologic Study of One Million American Workers and Military Veterans Exposed to Ionizing Radiation	0
G VENTER INSTITUTE, EAST COAST Rockville, MD	DE-FG02-11ER65261 08/31/2014 Methe	SC-23.2	The Study of Microbial Environmental Processes Related to the Natural Attenuation of Uranium at the Rifle Site	537
G VENTER INSTITUTE, EAST COAST Rockville, MD	DE-FG02-11ER65262 08/31/2014 Allen	SC-23.2	Integrated Systems Biology of Metabolic and Transcriptional Networks in a Model Photosynthetic Microbe	644
JOHNS HOPKINS UNIVERSITY Baltimore, MD	DE-FG02-96ER14662 11/14/2014 Meyer	SC-22.13	Electron Transfer Dynamics in Efficient Molecular Solar Cells	145
JOHNS HOPKINS UNIVERSITY Baltimore, MD	DE-FG02-96ER14616 12/31/2014 Sverjensky	SC-22.12	Predictive Surface Complexation Modeling	0
JOHNS HOPKINS UNIVERSITY Baltimore, MD	DE-FG02-91ER14189 12/14/2014 Yarkony	SC-22.11	Theoretical Studies of the Reactions, and the Spectroscopy of Radical Species Relevant to Combustion Reactions and	80
JOHNS HOPKINS UNIVERSITY Baltimore, MD	DE-FG02-89ER14074 12/31/2014 Veblen	SC-22.12	Crystal Chemistry of Toxic Metal Sequestration	0
JOHNS HOPKINS UNIVERSITY Baltimore, MD	DE-FG02-05ER15727 07/14/2012 Erlebacher	SC-22.12	Engineering Catalytic Nanoporous Metals for Reactions Important to the Hydrogen Economy	80
JOHNS HOPKINS UNIVERSITY Baltimore, MD	DE-FG02-09ER16094 12/15/2012 Roth	SC-22.12	SISGR - Isotopic Studies of O-O Bond Formation During Water Oxidation	165
JOHNS HOPKINS UNIVERSITY Baltimore, MD	DE-FC02-11ER26055 08/31/2016 Knio	SC-21.1	Quantification of Uncertainty in Extreme Scale Computations (QUEST)	150
JOHNS HOPKINS UNIVERSITY Baltimore, MD	DE-FG02-09ER25888 08/31/2012 Knio	SC-21.1	Quantifying Prediction Fidelity in Multiscale Multiphysics Simulations	75
JOHNS HOPKINS UNIVERSITY Baltimore, MD	DE-FG02-03ER46056 01/31/2013 Ma	SC-22.22	Amorphous Structures and Polymorphs of the Phase-Change Ge ₂ Sb ₂ Te ₅ Chalcogenide Glass	150

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Listing of Active Awards for State (MD)

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2011
JOHNS HOPKINS UNIVERSITY Baltimore, MD	DE-FG02-07ER46465 05/14/2013 Katz	SC-22.23	Charging and Polarization of Organic Semiconductors in Energy-Efficient Circuits and Energy Capture Models: Synthesis, Electronics, and Spectroscopy	274
JOHNS HOPKINS UNIVERSITY Baltimore, MD	DE-FG02-07ER46437 08/14/2014 Hemker	SC-22.22	In Situ Characterization of Stress-Coupled Grain Boundary Migration	210
JOHNS HOPKINS UNIVERSITY Baltimore, MD	DE-FG02-09ER46558 05/31/2012 Bowen	SC-22.21	Measuring Complementary Electronics Structure Properties of Both Deposited and Gas Phase Clusters by using STM, UPS, and PES	167
JOHNS HOPKINS UNIVERSITY Baltimore, MD	DE-FG02-08ER46544 08/31/2014 Broholm	SC-22.21	Institute for Quantum Matter at Johns Hopkins University	1,241
JOHNS HOPKINS UNIVERSITY Baltimore, MD	DE-FG02-09ER46648 09/14/2012 Hufnagel	SC-22.21	SISGR - In Situ Characterization and Modeling of Formation Reactions Under Extreme Heating Rates in Nanostructured Multilayer Foils	500
JOHNS HOPKINS UNIVERSITY Baltimore, MD	DE-FG02-10ER46752 08/31/2013 Tovar	SC-22.23	Self-Assembly of PI-Conjugated Peptides In Aqueous Environments Leading To Energy-Transporting Bioelectrical	190
JOHNS HOPKINS UNIVERSITY Baltimore, MD	DE-FG02-09ER55012 02/29/2012 Stutman	SC-24.2	Soft X-Ray Measurements of Transport and MHD Activity in the Core and Edge NSTX Plasma	345
JOHNS HOPKINS UNIVERSITY Baltimore, MD	DE-FG02-86ER53214 12/31/2012 Finkenthal	SC-24.2	Development of Advanced XUV Diagnostics Systems, Components and Devices for Fast Electron Temperature and Particle Density	500
JOHNS HOPKINS UNIVERSITY Baltimore, MD	DE-FG02-08ER46463 02/29/2012 Guikema	SC-23.1	Collaborative Proposal: Climate-Induced Changes in Hurricane Winds, Surge, and Risk to Electric Power Systems	0
JOHNS HOPKINS UNIVERSITY Baltimore, MD	DE-FG02-11ER65308 09/14/2014 Gnanadesikan	SC-23.1	Collaborative Project: Mode and Intermediate Water in Earth System Models	96
LEGIN GROUP, INC. Germantown, MD	DE-AC02-06ER12270 12/14/2011 Clark	SC-29	Administrative and Professional Support Services for the SBIR and STTR Programs	619
LIFE SCIENCES RES. FOUNDATION Baltimore, MD	DE-FG02-11ER16275 08/31/2014 Brown	SC-22.13	Genetic Analysis of Ca ²⁺ Priming in Arabidopsis Guard Cell Stomatal Closure in Response to the Drought Hormone Abscisic	57
MARYLAND, UNIV OF BIOTECH INST Baltimore, MD	DE-FG02-07ER64502 09/14/2012 Orban	SC-23.2	Annotation of Novel Enzymatic Functions in Methanogens	0
YLAND, UNIVERSITY OF BALTIMORE Baltimore, MD	DE-FG02-08ER64569 06/14/2012 Varnai	SC-23.1	Parameterization and Analysis of 3-D Solar Radiative Transfer in Clouds	0
UNIVERSITY OF BALTIMORE COUNTY Catonsville, MD	DE-FG02-10ER26034 08/31/2013 Draganescu	SC-21.1	Multilevel Techniques for Large-Scale Inverse Problems	126

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2011
ND, UNIVERSITY OF COLLEGE PARK College Park, MD	DE-FC02-11ER26054 08/31/2016 Hollingsworth	SC-21.1	Institute for Sustained Performance, Energy, and Resilience (SUPER)	215
ND, UNIVERSITY OF COLLEGE PARK College Park, MD	DE-FG02-07ER15916 08/31/2012 Zhu	SC-22.12	Collaborative Research: Evolution of Pore Structure and Permeability of Rocks Under Hydrothermal Conditions	109
ND, UNIVERSITY OF COLLEGE PARK College Park, MD	DE-FG02-07ER15883 08/31/2014 Sze	SC-22.13	Endomembrane cation transporters and membrane trafficking	150
ND, UNIVERSITY OF COLLEGE PARK College Park, MD	DE-FG02-09ER25894 08/14/2012 Tits	SC-21.1	Advanced Optimization Techniques for Entropy-Based Moment Closures	269
ND, UNIVERSITY OF COLLEGE PARK College Park, MD	DE-FC02-07ER25812 02/28/2012 Sussman	SC-21.1	Center for Technology for Advanced Scientific Component Software (TASCS)	0
ND, UNIVERSITY OF COLLEGE PARK College Park, MD	DE-FC02-10ER25991 08/31/2013 Jacob	SC-21.1	Data Movement Dominates: Addressing the Real Exascale Power Problems	397
ND, UNIVERSITY OF COLLEGE PARK College Park, MD	DE-FG02-09ER25925 09/14/2012 Hollingsworth	SC-21.1	Foundational Tools for Petascale Computing	156
ND, UNIVERSITY OF COLLEGE PARK College Park, MD	DE-FG02-09ER25947 09/14/2012 Hollingsworth	SC-21.1	Tools for the Development of High-Performance Energy Applications and Systems	200
ND, UNIVERSITY OF COLLEGE PARK College Park, MD	DE-FG02-09ER25942 09/14/2012 O'Leary	SC-21.1	Interior-Point Algorithms for Optimization Problems with Many Constraints	106
ND, UNIVERSITY OF COLLEGE PARK College Park, MD	DE-FG02-09ER25936 09/14/2012 Hollingsworth	SC-21.1	Building a Community Infrastructure for Scalable On-Line Performance Analysis Tools Around Open Speedshop	75
ND, UNIVERSITY OF COLLEGE PARK College Park, MD	DE-FG02-09ER25932 09/14/2012 Hollingsworth	SC-21.1	Correctness Tools for Petascale Computing	112
ND, UNIVERSITY OF COLLEGE PARK College Park, MD	DE-FG02-07ER41489 07/31/2013 Nusinovich	SC-25	High Gradient Accelerating Structures	196
ND, UNIVERSITY OF COLLEGE PARK College Park, MD	DE-FG02-93ER40802 04/30/2012 Mignerey	SC-26.1	Reaction Mechanism Studies of Heavy-Ion Induced Nuclear Reactions	275
ND, UNIVERSITY OF COLLEGE PARK College Park, MD	DE-FG02-93ER40762 11/30/2013 Cohen	SC-26.1	Theoretical Studies in Hadronic and Nuclear Physics	750
ND, UNIVERSITY OF COLLEGE PARK College Park, MD	DE-FG02-94ER40855 06/30/2013 Kishek, Haber, O'Shea	SC-25	Accelerator Research Studies	800

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2011
ND, UNIVERSITY OF COLLEGE PARK College Park, MD	DE-FG02-94ER40834 01/31/2012 Walters	SC-26.1	Nuclear Structure Research	200
ND, UNIVERSITY OF COLLEGE PARK College Park, MD	DE-FG02-98ER14888 04/30/2012 Davis	SC-22.12	Self-Assembled Ionophores: Continuing in New Directions	140
ND, UNIVERSITY OF COLLEGE PARK College Park, MD	DE-FG02-04ER25619 06/30/2012 Elman	SC-21.1	Navier-Stokes Solvers and Generalizations for Reacting Flow Problems	0
ND, UNIVERSITY OF COLLEGE PARK College Park, MD	DE-FC02-06ER25763 12/14/2012 Hollingsworth	SC-21.1	Performance Engineering Research Center (PERC-3)	240
ND, UNIVERSITY OF COLLEGE PARK College Park, MD	DE-FG02-09ER16100 09/14/2012 Alexander	SC-22.11	SISGR: Investigation of Non-Adiabatic Effects in Reactive and Inelastic Collisions of Molecular Combustion Intermediates	152
ND, UNIVERSITY OF COLLEGE PARK College Park, MD	DE-FG02-09ER16086 09/14/2012 Sita	SC-22.12	SISGR: Catalysts for Energy-Efficient Dinitrogen Activation and N-Atom Transfer Processes	200
ND, UNIVERSITY OF COLLEGE PARK College Park, MD	DE-FG02-09ER16035 07/31/2014 Rubloff	SC-22.22	Science of Precision Multifunctional Nanostructures for Electrical Energy Storage -- EFRC	1,910
ND, UNIVERSITY OF COLLEGE PARK College Park, MD	DE-FG02-06ER15761 11/14/2013 Mullin	SC-22.11	Dynamics of Activated Molecules	240
ND, UNIVERSITY OF COLLEGE PARK College Park, MD	DE-FG02-08ER64571 07/14/2012 Li	SC-23.1	Use of ARM Mobile Facility (AMF) Data to Study Aerosol Indirect Effects in China	0
ND, UNIVERSITY OF COLLEGE PARK College Park, MD	DE-FG02-08ER64548 04/30/2012 Nigam	SC-23.1	Atmosphere-Land-Surface Interaction Over the Southern Great Plains: Diagnosis of Mechanisms from SGP ARM Data	0
ND, UNIVERSITY OF COLLEGE PARK College Park, MD	DE-FG02-08ER64606 07/31/2012 Fox-Rabinovitz	SC-23.1	Development of Ensemble Neural Network Convection Parameterizations for Climate Models Using ARM Data	0
ND, UNIVERSITY OF COLLEGE PARK College Park, MD	DE-FG02-00ER54605 05/31/2012 Ellis	SC-24.2	The Maryland Centrifugal Experiment (MCX): Centrifugally Confined Plasmas for Magnetic Fusion	105
ND, UNIVERSITY OF COLLEGE PARK College Park, MD	DE-FG02-99ER54516 01/31/2013 Hassam	SC-24.2	Theoretical Considerations for Centrifugally Confined Plasmas	85
ND, UNIVERSITY OF COLLEGE PARK College Park, MD	DE-FG02-07ER64437 07/14/2012 Kalnay	SC-23.1	Carbon Data Assimilation with a Coupled Ensemble Kalman Filter	0
ND, UNIVERSITY OF COLLEGE PARK College Park, MD	DE-FG02-95ER54325 07/14/2014 Nusinovich, Granatstein	SC-24.2	Theory and Modeling of High-Power Gyrotrons	140

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands)
				FY 2011
ND, UNIVERSITY OF COLLEGE PARK College Park, MD	DE-FG02-92ER54178 05/31/2012 Kishek, O'Shea	SC-24.2	Physics of Beams at Extreme Intensity for Heavy Ion Inertial Fusion	179
ND, UNIVERSITY OF COLLEGE PARK College Park, MD	DE-FG02-93ER54197 12/31/2013 Dorland	SC-24.2	Maryland Controlled Fusion Research	597
ND, UNIVERSITY OF COLLEGE PARK College Park, MD	DE-FG02-97ER41015 10/31/2012 Hadley, Skuja	SC-25	High Energy Accelerator and Colliding Beam User Group	1,576
ND, UNIVERSITY OF COLLEGE PARK College Park, MD	DE-FC02-08ER54964 02/14/2016 Dorland	SC-24.2	Center for the Study of Plasma Microturbulence	40
ND, UNIVERSITY OF COLLEGE PARK College Park, MD	DE-FG02-10ER55077 07/14/2013 Oehrlein	SC-24.2	Fundamental Science of Low Temperature Plasma-Biological Material Interactions	110
ND, UNIVERSITY OF COLLEGE PARK College Park, MD	DE-FG02-11ER41738 07/14/2016 Hall	SC-25	Search for Weakly Interacting Dark Matter with Liquid Xenon	150
ND, UNIVERSITY OF COLLEGE PARK College Park, MD	DE-FG02-10ER41710 09/30/2014 Orozco	SC-26.2	Laser Trapping and Cooling Facility for Weak Interaction Experiments with Francium Isotopes at TRIUMF	198
ND, UNIVERSITY OF COLLEGE PARK College Park, MD	DE-FG02-10ER46741 08/14/2013 Drew	SC-22.22	Infrared Hall Effect in Correlated Electronic Materials	145
ND, UNIVERSITY OF COLLEGE PARK College Park, MD	DE-FG02-10ER46742 03/31/2014 Cumings	SC-22.21	Interfacial Thermal Resistance of Carbon Nanotubes	138
ND, UNIVERSITY OF COLLEGE PARK College Park, MD	DE-FG02-10ER46753 08/14/2013 Wuttig	SC-22.22	Diblock Copolymer Templated Two-Phase Inorganic Nano-Composites A Platform for Innovative Nano-Science	127
ND, UNIVERSITY OF COLLEGE PARK College Park, MD	DE-FG02-09ER46607 08/31/2012 Galitskiy	SC-22.22	Theory of Fluctuations in Superconductors	103
ND, UNIVERSITY OF COLLEGE PARK College Park, MD	DE-FG02-11ER65319 09/14/2014 Li	SC-23.1	Use of ARM Mobile Facility (AMF) Data to Study Aerosol Indirect Effects in China in Comparison with Those in US	191
ND, UNIVERSITY OF COLLEGE PARK College Park, MD	DE-FG02-11ER65230 08/31/2013 Liang	SC-23.1	Optimizing the Cloud-Aerosol-Radiation Ensemble Modeling System to Improve Future Climate Change Projections at Regional to	490
ND, UNIVERSITY OF COLLEGE PARK College Park, MD	DE-FG02-97ER41039 06/14/2012 Milchberg	SC-25	Application of Plasma Waveguides to Advanced High Energy Accelerators	255
ND, UNIVERSITY OF COLLEGE PARK College Park, MD	DE-FG02-09ER64735 07/31/2012 Nigam	SC-23.1	Dynamics of Arctic and Sub-Arctic Climate and Atmospheric Circulation: Diagnosis of Mechanisms and Biases Using Data	117

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2011
ASA - GODDARD SPACE FLIGHT CTR Greenbelt, MD	DE-AI02-11ER65298 09/14/2014 Marshak, Wiscombe	SC-23.1	Study of Shortwave Spectra in Fully 3D Environment: Synergy Between Scanning Radars and Spectral Radiation Measurements	189
ASA - GODDARD SPACE FLIGHT CTR Greenbelt, MD	DE-AI02-09ER64753 05/14/2012 Tao	SC-23.1	Use of ARM Observations and Numerical Models to Determine Radiative and Latent Heating Profiles of Mesoscale Convective	133
ASA - GODDARD SPACE FLIGHT CTR Greenbelt, MD	DE-AI02-08ER64562 06/14/2012 Marshak, Wiscombe	SC-23.1	Use of the ARM Measurements of Spectral Zenith Radiance for Better Understanding of 3D Cloud-Radiation Processes & Aerosol-Cloud Interaction	0
STANDARDS & TECH, GAITHERSBURG Gaithersburg, MD	DE-AI02-10ER46735 07/14/2013 Gentile	SC-22.21	Polarized 3He in Neutron Scattering	19
STANDARDS & TECH, GAITHERSBURG Gaithersburg, MD	DE-AI02-11ER41771 09/14/2014 Dewey	SC-26.1	Fundamental Physics with Slow Neutrons	100
STANDARDS & TECH, GAITHERSBURG Gaithersburg, MD	DE-AI02-94ER40828 03/31/2012 Gilliam	SC-26.1	Nuclear Data Verification and Standardization	80
NAL INSTITUTES OF HEALTH, NCRR Bethesda, MD	DE-AI02-08ER64706 08/31/2013 Rosenthal	SC-23.2	Partial Support of 2 NIH Projects (International Cooperative Biodiversity Groups)	250
OS ADMIN, COMMERCE-SILVER SPRI Silver Spring, MD	DE-AI02-10ER64949 04/30/2012 Mooney	SC-23.1	Support FY2011 Activities of the Carbon Cycle Interagency Group (CCIWG)	100
OS ADMIN, COMMERCE-SILVER SPRI Silver Spring, MD	DE-AI02-99ER62778 04/30/2012 Williamson	SC-23.1	Partial Support for the Federal Committee for Meteorological Services and Supporting Research	20
Y, U.S. DEPT. OF NAVAL ACADEMY Annapolis, MD	DE-AI02-11ER41734 04/14/2014 Witt	SC-26.1	Investigations of Strangeness Production in the STAR Experiment at RHIC	42
Y, U.S. DEPT. OF NAVAL ACADEMY Annapolis, MD	DE-AI02-09ER46667 09/14/2012 Trulove	SC-22.23	SISGR: Linking Ion Solvation and Lithium Battery Electrolyte Properties	116
ROBERTSINTERNATIONAL, LLC Darnestown, MD	DE-AC02-08ER54994 06/30/2012 Roberts	SC-24.2	Consulting Agreement for Administrative, Management and Policy Support to OFES on ITER	0

Total for MD :

19,895

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Listing of Active Awards for State (ME)

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2011
MAINE, UNIVERSITY OF Orono, ME	DE-FG02-07ER46373 06/30/2014 Pendse	SC-22.21	Thermochemical Conversion of Woody Biomass to Fuels and Chemicals	620
Total for ME :				620

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Listing of Active Awards for State (MI)

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands)
				FY 2011
CENTRAL MICHIGAN UNIVERSITY Mount Pleasant, MI	DE-FC02-09ER41584 08/30/2012 Horoi	SC-26.1	Building a Universal Nuclear Energy Density Functional	90
CENTRAL MICHIGAN UNIVERSITY Mount Pleasant, MI	DE-FG02-09ER16061 02/28/2013 Jackson	SC-22.11	Theoretical/Computational Studies of Fundamentals of One-Component and Alloy Metal Based Nanocatalysts Relevant to Alternative Sources of Energy	77
CENTRAL MICHIGAN UNIVERSITY Mount Pleasant, MI	DE-FG02-11ER46830 02/14/2013 Petkov	SC-22.21	Element Specific Atomic Arrangement of Binary and Ternary Alloy Nanosized Catalysts in As Prepared and Active State	284
EASTERN MICHIGAN UNIVERSITY Ypsilanti, MI	DE-FG02-10CH20002 04/30/2013 Shen	SC-23	Building Surface Science Capacity to Serve the Automobile Industry in Southeastern Michigan	0
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-09ER64761 06/14/2012 Reguera	SC-23.1	From Nanowires to Biofilms: An Exploration of Novel Mechanisms of Uranium Transformation Mediated by Geobacter	0
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-08ER64631 08/14/2012 Buell	SC-23.2	Computational Resources for Biofuel Feedstock Species	0
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-07ER64398 03/14/2012 Tiedje	SC-23.1	Metagenomics-Enabled Understanding of the Functions and Activities of Microbial Communities at ERSF Field Research Center	0
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-07ER64389 05/31/2012 Tiedje	SC-23.2	Integrated Genome-Based Studies of Shewanella Ecophysiology	0
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-99ER62848 08/31/2016 Cole	SC-23.2	The Ribosomal Database Project: Tools and Sequences for Microbial Analysis	345
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-11ER46802 07/14/2016 Zhang	SC-22.23	Utilizing Molecular Self-Assembly to Tailor Electrical Properties of Si Nanomembranes	150
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-10ER41679 05/31/2015 Maciel-Nunes	SC-26.1	Advancing the Theory of Nuclear Reactions with Rare Isotopes: From the Laboratory to the Cosmos	100
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-10ER41709 08/31/2013 Tsang	SC-26.2	Determination of the Equation of State of Asymmetric Nuclear Matter	400
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-06ER46341 08/31/2012 Birge	SC-22.22	Novel Behavior of Ferromagnet/Superconductor Hybrid Systems	167
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-06ER46309 07/31/2012 Ruan	SC-22.21	Dynamical Nanoscale Crystallography with Femtosecond Resolution	200
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-09ER46578 07/31/2014 Morelli	SC-22.21	Revolutionary Materials for Solid State Energy Conversion: A DOE Energy Frontier Research Center -- EFRC	2,125

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2011
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-09ER46637 09/14/2012 Boehlert	SC-22.22	SISGR - Characterization and Modeling of Deformation Induced Damage in Titanium Alloys	185
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-11ER16245 08/14/2016 Hamann	SC-22.13	Molecular and Material Approaches to Overcome Kinetic and Energetic Constraints in Dye-Sensitized Solar Cells	155
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-11ER16220 07/31/2012 Kramer	SC-22.13	The Energy Budget of Steady State Photosynthesis	153
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-91ER20021 03/31/2012 Thomashow	SC-22.13	Interdisciplinary Research and Related Training Program in the Plant Sciences	4,053
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-09ER16108 09/14/2012 Dantus	SC-22.11	SISGR - Understanding and Controlling Strong-Field Laser Interactions with Polyatomic Molecules	150
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-01ER15228 05/31/2013 Piecuch	SC-22.11	New Single-and Multi-Reference Coupled-Cluster Methods for High Accuracy Calculations of Ground and Excited States	144
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-01ER15282 08/14/2012 McCusker	SC-22.13	First-Row Transition Metal-Based Chromophores for Dye-Sensitized Solar Cells: Fundamental Issues and Applications	180
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-98ER14907 07/31/2013 Bruening	SC-22.12	Separations of Stable Isotopic Ions in Homogenous, Highly Charged Nanopores	165
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-08ER15929 03/14/2013 Kirkpatrick	SC-22.12	Computational and Experimental Investigations of the Molecular Scale Structure and Dynamics of Geologically Important Fluids and Mineral-Fluid	188
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-07ER15854 02/28/2013 Mantica	SC-22.12	Summer Schools in Nuclear and Radiochemistry	252
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-06ER15822 08/31/2012 Geiger	SC-22.13	Structure, Function, and Regulation of the Enzymes in the Starch Biosynthetic Pathway	160
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-06ER15808 07/31/2012 Osteryoung	SC-22.13	Mechanisms of Chloroplast Division in Plants	180
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-03ER41259 05/31/2012 Pratt	SC-26.1	Determining Properties of Matter Created at RHIC	97
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-08ER41553 09/30/2012 York	SC-26.2	Development and Beam Characterization of a Coaxial Resonator Based Single-Gap Gridless Triple-Harmonic Buncher	0
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-08ER41556 06/30/2013 Gade	SC-26.1	Study of Correlation Effects in Nuclei at the Limit of Stability	54

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MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-08ER41546 03/14/2014 Berz	SC-25	Advanced Map Methods for the Description of Particle Beam Dynamics	353
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FC02-09ER41597 04/30/2019 Glasmacher	SC-26.2	Facility for Rare Isotope Beams	10,000
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FC02-09ER41585 11/30/2012 Brown	SC-26.1	Building a Universal Nuclear Energy Density Functional	130
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-98ER41070 10/31/2013 Westfall	SC-26.1	Study of the QCD Phase Diagram using STAR at RHIC	243
MICHIGAN TECH. UNIVERSITY Houghton, MI	DE-FG02-99ER41107 04/14/2014 Nitz	SC-25	Studies of High Energy Particle Astrophysics	260
MICHIGAN TECH. UNIVERSITY Houghton, MI	DE-FG02-11ER65297 09/14/2013 Mazzoleni	SC-23.1	The Radiative Role of Free Tropospheric Aerosols and Marine Clouds over the Central North Atlantic	156
MICHIGAN TECH. UNIVERSITY Houghton, MI	DE-FG02-11ER65322 09/14/2014 Shaw	SC-23.1	Laboratory Investigation of Contact Freezing and the Aerosol to Ice to Ice Crystal Transformation Process	82
MICHIGAN TECH. UNIVERSITY Houghton, MI	DE-FG02-11ER65187 08/31/2013 Resh	SC-23.1	Interactive Effects of Climate Change and Decomposer Communities on the Stabilization of Wood-Derived Carbon Pools: Catalyst for a New Study	149
MICHIGAN TECH. UNIVERSITY Houghton, MI	DE-FG02-09ER46674 09/14/2012 Wang	SC-22.22	SISGR - Domain Microstructures and Mechanisms for Large, Reversible and Anhyseretic Strain Behaviors in Phase	126
MICHIGAN TECH. UNIVERSITY Houghton, MI	DE-FG02-06ER46294 12/31/2012 Yap	SC-22.22	Hetero-Junctions of Boron Nitride and Carbon Nanotubes: Synthesis and Characterization	0
MICHIGAN TECH. UNIVERSITY Houghton, MI	DE-FG02-95ER62125 03/31/2013 Burton, Pregitzer	SC-23.1	Impacts of Interacting Elevated Atmospheric CO2 & O3 on the Structure & Functioning of a Northern Forest	445
MICHIGAN TECH. UNIVERSITY Houghton, MI	DE-FC02-06ER64158 11/30/2012 Burton	SC-23.1	Midwestern Regional Center of the National Institute for Climatic Change Research	0
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-09ER64803 07/31/2012 Hayes	SC-23.1	Assessing the Role of Iron Sulfides in the Long Term Sequestration of U by Sulfate Reducing Bacteria	307
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-97ER62370 06/30/2012 Penner	SC-23.1	Cloud/Aerosol Parameterizations: Application and Improvement of General Circulation Models	0
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-01ER63248 09/14/2012 Penner	SC-23.1	Development of an Atmospheric Climate Model with Self-Adapting Grid and Physics	70

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MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-93ER61666 08/14/2012 Zak	SC-23.1	Ecosystem Response to Elevated Tropospheric Carbon Dioxide (CO2) and Ozone (O3) is Regulated by Plant-Microbe Interactions in Soil	0
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-09ER55060 08/14/2012 Kushner	SC-24.2	Plasmas in Multiphase Media: Bubble Enhanced Discharge in Liquids and Plasma/Liquid Phase Boundaries	145
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FC02-09ER55050 08/14/2014 Kushner	SC-24.2	Predictive Control of Plasma Kinetics: Multi-Phase and Bounded Systems	1,528
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-09ER55047 08/14/2012 Lau	SC-24.2	Theoretical and Experimental Studies of the Magneto-Rayleigh-Taylor Instabilities	145
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-06ER46273 04/30/2012 Clarke	SC-22.21	Structure and Dynamics at Interfaces	168
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-06ER46339 05/14/2013 Goldman	SC-22.21	Electronic States and Transport in Semiconductor Nanostructures	155
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-97ER45656 04/30/2014 Ewing	SC-22.22	Response of Simple, Model Systems to Extreme Conditions	197
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-02ER46000 11/30/2012 Glotzer	SC-22.23	Simulation of Self-Assembly of Tethered Nanoparticle Shape Amphiphiles	160
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-10ER46757 09/14/2014 Hart	SC-22.23	Understanding and Controlling Nanoscale Crystal Growth using Mechanical Forces	185
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-10ER46761 08/31/2013 Matzger	SC-22.23	Symmetry Breaking for the Synthesis of Nanostructured Porous Materials	237
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-10ER46762 04/14/2014 Sangi Reddy	SC-22.21	Study of Energy Transport at the Nanoscale	136
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-08ER46525 08/31/2014 Was	SC-22.22	Localized Deformation and Intergranular Fracture of Irradiated Alloys Under Extreme Environmental Conditions	280
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-07ER46416 06/30/2013 Pan	SC-22.21	Structure and Dynamics of Domains in Ferroelectric Nanostructures	175
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-07ER46412 08/14/2014 Green	SC-22.23	Brush-Coated Nanoparticle Polymer Thin Films: structure-mechanical-optical properties	228
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-95ER40899 04/30/2012 Amidei	SC-25	Properties and Interactions of Elementary Particles	3,513

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MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-04ER41331 07/14/2014 Chupp	SC-26.1	Electric Dipole Moment Measurements with Rare Isotopes: The Radon-EDM Experiment	113
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-07ER15887 07/31/2012 Nielsen	SC-22.13	The Role of Phosphoinositides in Polarized Secretion of Cell Wall Components in Arabidopsis Root Hair Cells	180
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-07ER15904 06/30/2014 Ogilvie	SC-22.13	Two Dimensional Electronic Spectroscopies for Probing Electronic Structure and Charge Transfer: Applications to	240
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-06ER15783 06/30/2012 Ewing	SC-22.12	Actinide Incorporation and Radiation Effects in Layered Structures	99
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-08ER15931 06/14/2014 Ragsdale	SC-22.13	Enzymology of Methanogenesis: Mechanism of Methyl-Coenzyme M Reductase	268
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-11ER30331 03/31/2012 Campbell	SC-27	Research and Study Abroad Facility in Geneva, Switzerland in Affiliation with the European Laboratory for Particle Physics	50
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-05ER15686 08/31/2014 Linic	SC-22.12	Development of Physically Transparent, Predictive Structure-Performance Relationships for Rational Design of	420
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-09ER16102 09/14/2012 Wooldridge	SC-22.11	SISGR: The Effects of Oxygenated Fuel Compound Structure on Combustion and Pollutant Reaction Chemistry	151
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-09ER16112 09/14/2012 Violi	SC-22.11	SISGR - Developing a Predictive Model for the Chemical Composition of Soot Nanoparticles: Integrating Model and	198
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-08ER15997 08/14/2014 Sanford	SC-22.12	Catalytic Control of Site Selectivity in Catalytic C H Arylation and Alkylation Reactions	145
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-11ER16262 09/14/2014 Bartlett	SC-22.12	Bridging Homogeneous and Heterogeneous Catalysis Through Ion-Exchangeable Materials	150
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-11ER16265 02/28/2015 Maldonado	SC-22.13	Light-Stimulated Hole Injection at Dye-Sensitized Phosphide Photocathodes	60
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-10ER64994 06/30/2013 Zak	SC-23.2	Atmospheric Nitrogen Deposition and Microbial Mechanisms Enhancing Soil Carbon Storage	460
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-11ER65289 09/14/2014 Blum	SC-23.1	Isotopic Characterization of Biogeochemical Pools of Mercury and Determination of Reaction Pathways for Mercury Methylation	185
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-11ER65280 09/14/2014 Jablonowski	SC-23.1	Evaluating the Climate Sensitivity of Dissipative Subgrid-Scale Mixing Processes and Variable Resolution in NCAR's	352

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MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-11ER65263 08/31/2014 Semrau	SC-23.2	Role of Methanotrophs in Metal Mobilization, Metal Immobilization, and Mineral Weathering: Effects on the In Situ Microbial Community Structure and the...	395
WAYNE STATE UNIVERSITY Detroit, MI	DE-FG02-96ER41005 04/30/2012 Karchin	SC-25	Particle Physics Research Program	409
WAYNE STATE UNIVERSITY Detroit, MI	DE-FG02-92ER40713 04/30/2014 Cormier	SC-26.1	Relativistic Heavy Ion Research	610
WAYNE STATE UNIVERSITY Detroit, MI	DE-FG02-09ER16120 09/14/2012 Verani	SC-22.13	SISGR: A Concerted Synthetic, Spectroscopic, and Computational Approach Towards Water Splitting by Heterometallic	440
WAYNE STATE UNIVERSITY Detroit, MI	DE-FG02-04ER15593 10/31/2013 Suits	SC-22.11	Universal and State-Resolved Imaging Probes of Chemical Reaction Dynamics	170
WESTERN MICHIGAN UNIVERSITY Kalamazoo, MI	DE-FG02-99ER45772 05/31/2012 Burns	SC-22.21	X-ray and Transport Studies of Highly Correlated Systems	100
WESTERN MICHIGAN UNIVERSITY Kalamazoo, MI	DE-FG02-09ER16111 09/14/2012 Berrah	SC-22.11	SISGR - Advanced Instrumentation for Ultrafast Science at the LCLS	0
WESTERN MICHIGAN UNIVERSITY Kalamazoo, MI	DE-FG02-92ER14299 06/14/2014 Berrah	SC-22.11	Probing Complexity Using the LCLS and the ALS	200
WESTERN MICHIGAN UNIVERSITY Kalamazoo, MI	DE-FG02-04ER41320 05/14/2013 Wuosmaa	SC-26.1	Study of Exotic Nuclei With Nucleon Transfer Reactions	177
WESTERN MICHIGAN UNIVERSITY Kalamazoo, MI	DE-FG02-10ER64974 12/31/2012 Patten	SC-23.2	Green Manufacturing: Environmentally Benign and Energy Conscious Program at Western Michigan University	0
WESTERN MICHIGAN UNIVERSITY Kalamazoo, MI	DE-FG02-09ER64917 09/28/2012 Barnes	SC-23.2	MICHCARB A Geological Carbon Sequestration Research and Education Program for Michigan	0
Total for MI :				35,199

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands)
				FY 2011
MINNESOTA, REGENTS OF UNIV. OF Minneapolis, MN	DE-FG02-11ER65191 08/31/2014 Bond	SC-23.2	Spatioelectrochemistry: The Molecular Basis for Electron Flow Within Metal-Reducing Biofilms	384
MINNESOTA, REGENTS OF UNIV. OF Minneapolis, MN	DE-FG02-11ER65181 08/14/2014 McMurry	SC-23.1	Collaborative Project: Understanding the Chemical Process that Affect Growth Rates of Freshly Nucleated Particles	304
MINNESOTA, REGENTS OF UNIV. OF Minneapolis, MN	DE-FG02-11ER16283 09/14/2014 Gagliardi	SC-22.11	Bridging the Gap Between Quantum Chemistry and Classical Simulations for CO2 Capture	125
MINNESOTA, REGENTS OF UNIV. OF Minneapolis, MN	DE-FG02-09ER16087 09/14/2012 Gagliardi	SC-22.12	Multiconfigurational Quantum Chemical Study of Molecules and Ions Containing Actinides and Lanthanides	200
MINNESOTA, REGENTS OF UNIV. OF Minneapolis, MN	DE-FG02-05ER15670 08/31/2014 Glazebrook	SC-22.13	Effects of Plant Cell Wall Alterations on Plant Disease Susceptibility	144
MINNESOTA, REGENTS OF UNIV. OF Minneapolis, MN	DE-FG02-04ER15500 11/30/2012 Kohlstedt	SC-22.12	Rheological Properties of Earth's Upper Mantle at High Pressure: Roles of Melt, Water, and Pressure	216
MINNESOTA, REGENTS OF UNIV. OF Minneapolis, MN	DE-FG02-03ER15455 08/31/2014 Que	SC-22.12	Bio-inspired Iron Catalysts for Hydrocarbon Oxidations	175
MINNESOTA, REGENTS OF UNIV. OF Minneapolis, MN	DE-FG02-86ER13579 11/30/2014 Truhlar	SC-22.11	Variational Transition State Theory	86
MINNESOTA, REGENTS OF UNIV. OF Minneapolis, MN	DE-FG02-88ER13878 12/31/2011 Schmidt	SC-22.12	Biofuels from Biomass by Catalytic Autothermal Reforming	0
MINNESOTA, REGENTS OF UNIV. OF Minneapolis, MN	DE-FG02-07ER15913 08/31/2014 Gladfelter	SC-22.13	Molecular Design of Zinc-Oxide Nanoparticle-Dye Dyads and Triads	290
MINNESOTA, REGENTS OF UNIV. OF Minneapolis, MN	DE-FC02-10ER26020 08/31/2013 Karypis	SC-21.1	Enabling Scientific Discovery in Exascale Simulations	309
MINNESOTA, REGENTS OF UNIV. OF Minneapolis, MN	DE-FG02-07ER15886 07/31/2013 Ward	SC-22.13	Functional Analysis of Plant Sucrose Transporters	163
MINNESOTA, REGENTS OF UNIV. OF Minneapolis, MN	DE-FG02-09ER25880 08/31/2012 Luskin	SC-21.1	Predictive Simulation and Design of Materials by Quasicontinuum and Accelerated Dynamics Methods	455
MINNESOTA, REGENTS OF UNIV. OF Minneapolis, MN	DE-FG02-08ER25841 06/14/2012 Saad	SC-21.1	Robust Parallel Iterative Solvers for Linear and Least-Squares Systems	0
MINNESOTA, REGENTS OF UNIV. OF Minneapolis, MN	DE-FG02-87ER40328 01/31/2014 Kapusta, Qian, Heger	SC-26.1	Research in Theoretical Nuclear Physics	430

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MINNESOTA, REGENTS OF UNIV. OF Minneapolis, MN	DE-FG02-94ER40823 10/31/2013 Rusack, Olive	SC-25	Experimental and Theoretical High Energy Physics	1,678
MINNESOTA, REGENTS OF UNIV. OF Minneapolis, MN	DE-FC02-07ER41471 10/31/2013 Marshak	SC-25	Collaborative Research and Development in Neutrino Physics	2,222
MINNESOTA, REGENTS OF UNIV. OF Minneapolis, MN	DE-FC02-09ER41618 03/14/2012 Heger	SC-26.1	Computational Astrophysics Consortium: 3. Supernovae, Gamma-Ray Bursts, and Nucleosynthesis	0
MINNESOTA, REGENTS OF UNIV. OF Minneapolis, MN	DE-FG02-07ER46415 08/31/2013 Kumar	SC-22.23	Hydrodynamic Self-Assembly of Topographical Patterns on Soft Materials	80
MINNESOTA, REGENTS OF UNIV. OF Minneapolis, MN	DE-FG02-09ER46640 09/14/2012 Zudov	SC-22.22	SISGR - Emergent Phenomena in Quantum Hall Systems Far From Equilibrium	130
MINNESOTA, REGENTS OF UNIV. OF Minneapolis, MN	DE-FG02-02ER46004 08/31/2014 Goldman	SC-22.22	Tunneling and Transport in Nanowires	150
MINNESOTA, REGENTS OF UNIV. OF Minneapolis, MN	DE-FG02-06ER46275 03/14/2015 Leighton	SC-22.21	Neutron Scattering Studies of Cobaltite Crystals and Heterostructures	139
MINNESOTA, REGENTS OF UNIV. OF Minneapolis, MN	DE-FG02-09ER55040 08/14/2012 Kortshagen	SC-24.2	Charging and Heating Dynamics of Nanoparticles in Nonthermal Plasmas	67
MINNESOTA, REGENTS OF UNIV. OF Minneapolis, MN	DE-FG02-10ER41676 05/31/2015 Heger	SC-26.1	Neutrinos and Nucleosynthesis in Hot and Dense Matter	40
MINNESOTA, REGENTS OF UNIV. OF Minneapolis, MN	DE-FG02-11ER46823 08/14/2014 Greven	SC-22.21	Crystal Growth and Scattering Studies of Model Cuprate Superconductors	220
MINNESOTA, REGENTS OF UNIV. OF Minneapolis, MN	DE-FG02-07ER64456 07/31/2015 Reich	SC-23.1	Climate Change Impacts at the Temperate-Boreal Ecotone: Interactions Between Warming and Precipitation	631
MINNESOTA, UNIVERSITY OF, DULUTH Duluth, MN	DE-FG02-98ER41087 05/31/2013 Hiller	SC-25	Nonperturbative Analysis of Field Theories Quantized on the Light Cone	45

Total for MN :

8,683

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DONALD DANFORTH PLNT SCI CTR St. Louis, MO	DE-FG02-11ER65231 08/14/2014 Mockler	SC-23.2	Modulation of Phytochrome Signaling Networks for Improved Biomass Accumulation Using a Bioenergy Crop Model	791
DONALD DANFORTH PLNT SCI CTR St. Louis, MO	DE-FG02-09ER16029 07/31/2014 Sayre	SC-22.13	Center for Advanced Biofuels Systems -- EFRS	3,000
UNIV OF SCIENCE AND TECHNOLOGY Rolla, MO	DE-FG02-08ER46518 08/31/2012 Switzer	SC-22.23	Epitaxial Electrodeposition of Metal Oxide Thin Films and Superlattices for Energy Conversion and Storage	175
MISSOURI, UNIVERSITY OF Columbia, MO	DE-FG02-08ER15958 12/31/2011 Appold	SC-22.12	Evaluation of the Origin and Hydrocarbon Transport Capabilities of Solitary Waves in Fault Conduits with Visco-Elastic	0
MISSOURI, UNIVERSITY OF Columbia, MO	DE-FG02-88ER13880 07/14/2014 Sharp	SC-22.12	Late Transition Metal M-OR Chemistry and d6 Metal Complex Photoeliminations	120
MISSOURI, UNIVERSITY OF Columbia, MO	DE-FG02-87ER13713 08/31/2012 Wall	SC-22.13	Genetics and Molecular Biology of Hydrogen Metabolism in the Sulfate-reducing Bacteria	0
MISSOURI, UNIVERSITY OF Columbia, MO	DE-FG02-02ER15309 05/31/2014 Stacey	SC-22.13	Plant Response to LCO/CO Signals	180
MISSOURI, UNIVERSITY OF Columbia, MO	DE-FG02-07ER64396 03/31/2012 Wall	SC-23.1	Geochemical, Genetic, and Community Controls on Mercury Methylation	0
MISSOURI, UNIVERSITY OF Columbia, MO	DE-FG02-09ER64890 09/14/2012 Giblin	SC-23.2	Functionalized PEI Nanoparticles for Delivery of IGF-1R - Targeted siRNA's to uPAR-Expressing Tumors in Vitro and in Vivo	0
MISSOURI, UNIVERSITY OF Columbia, MO	DE-FG02-08ER64691 09/14/2012 Wall	SC-23.2	Pathway of Fermentative Hydrogen Production by Sulfate-Reducing Bacteria	0
MISSOURI, UNIVERSITY OF Columbia, MO	DE-FG02-09ER64825 08/31/2013 Jurisson	SC-23.2	Research Projects for Interrogations of Biological Systems: Training for the Development of Novel Radiotracers	1,056
MISSOURI, UNIVERSITY OF Columbia, MO	DE-FG02-10ER41644 09/30/2012 Jurisson	SC-26.2	Alternative Isotope Production Techniques for High Specific Activity Radionuclides	0
MISSOURI, UNIVERSITY OF Columbia, MO	DE-FG02-05ER46213 12/31/2014 Ullrich	SC-22.22	Charge and Spin Dynamics in Bulk and Heterostructured Dilute Magnetic Semiconductors	0
MISSOURI, UNIVERSITY OF Columbia, MO	DE-FG02-05ER46203 05/31/2014 Vignale	SC-22.22	Time-Dependent Current Density-Functional Theory of Charge, Energy and Spin Transport and Dynamics in Nanoscale	105
MISSOURI, UNIVERSITY OF Columbia, MO	DE-FG02-00ER45818 11/30/2012 Satpathy	SC-22.22	Fundamental Studies of Complex Oxides and Their Interfaces	130

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MISSOURI, UNIVERSITY OF Columbia, MO	DE-FG02-07ER46411 08/14/2013 Pfeifer	SC-22.23	New Pathways and Metrics for Enhanced, Reversible Hydrogen Storage in Boron-Doped Carbon Nanospaces	320
MISSOURI, UNIVERSITY OF Columbia, MO	DE-FG02-11ER65194 09/14/2014 Wall	SC-23.1	Identifying Key Proteins in Hg Methylation Pathways of Desulfovibrio by Global Proteomics	26
MISSOURI, UNIVERSITY OF Columbia, MO	DE-FG02-10ER65040 09/14/2013 Stacey	SC-23.2	Systems View of Root Hair Response to Abiotic Stress	322
MISSOURI, UNIVERSITY OF Columbia, MO	DE-FG02-11ER65209 08/14/2014 Braun	SC-23.2	Functional Genomics of Sugar Content in Sweet Sorghum Stems	498
MISSOURI, UNIVERSITY OF Columbia, MO	DE-FG02-09ER64877 09/14/2012 Deutscher	SC-23.2	Radiolabeled Peptide Scaffolds for PET/SPECT - Optical in Vivo Imaging of Carbohydrate-Lectin Interactions	0
CLEAR MEDICINE SOLUTIONS, INC. St. Louis, MO	DE-AD01-07NE24326 06/30/2012 Brown	SC-26.2	Purchase of Irradiated Strontium-82 Targets	1,056
WASHINGTON UNIVERSITY St. Louis, MO	DE-FG02-11ER65190 08/31/2014 Catalano	SC-23.1	Dominant Mechanisms of Uranium-Phosphate Reactions in Subsurface Sediments	193
WASHINGTON UNIVERSITY St. Louis, MO	DE-FG02-11ER65180 08/31/2014 Goodenough	SC-23.2	Systems Biology of Lipid Body Formation in the Green Alga Chlamydomonas Reinhardtii	458
WASHINGTON UNIVERSITY St. Louis, MO	DE-FG02-11ER65268 08/31/2014 Pakrasi	SC-23.2	Use of Systems Biology Approaches to Develop Advanced Biofuel-Synthesizing Cyanobacterial Strains	757
WASHINGTON UNIVERSITY St. Louis, MO	DE-FG02-05ER15661 05/14/2014 Holten, Kirmaier	SC-22.13	Fundamental Studies of Hydroporphyrin Architectures for Solar Energy Applications	245
WASHINGTON UNIVERSITY St. Louis, MO	DE-FG02-11ER16254 09/14/2014 Mirica	SC-22.12	Novel Palladium Catalysts for the Oxidative Oligomerization of Methane & Carbon Dioxide Reduction	150
WASHINGTON UNIVERSITY St. Louis, MO	DE-FG02-99ER20350 08/31/2012 Pakrasi	SC-22.13	Novel Factors in the Thylakoid Lumen that Regulate Photoprotection and Repair of the Photosynthetic Apparatus in Cyanobacteria	180
WASHINGTON UNIVERSITY St. Louis, MO	DE-FG02-09ER16116 09/14/2012 Holten	SC-22.13	SISGR: Controlling Electron Transfer Pathways in Photosynthetic Reaction Centers	194
WASHINGTON UNIVERSITY St. Louis, MO	DE-FG02-09ER16045 07/31/2014 Blankenship	SC-22.13	Photosynthetic Antenna Research Center (PARC) -- EFRC	3,375
WASHINGTON UNIVERSITY St. Louis, MO	DE-FG02-07ER15902 08/31/2013 Blankenship	SC-22.13	The Fmo Antenna Complex From Green Photosynthetic Bacteria	200

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WASHINGTON UNIVERSITY St. Louis, MO	DE-FG02-88ER40406 11/30/2011 Sarantites	SC-26.1	Investigations of Nuclear Structure and Nuclear Reactions	422
WASHINGTON UNIVERSITY St. Louis, MO	DE-FG02-91ER40628 03/31/2014 Bender, Ogilvie, Bernard	SC-25	Studies in Quantum Field Theory and Astroparticle Physics	825
WASHINGTON UNIVERSITY St. Louis, MO	DE-FG02-87ER40316 12/31/2013 Sobotka	SC-26.1	Studies of Complex Nuclear Decay in Heavy-Ion Reactions	290
WASHINGTON UNIVERSITY St. Louis, MO	DE-FG02-05ER41375 05/31/2014 Alford	SC-26.1	Signatures of Color Superconductivity in High-Density Quark Matter	120
WASHINGTON UNIVERSITY St. Louis, MO	DE-FG02-05ER46256 08/31/2014 Conradi	SC-22.22	In Situ NMR to Understand Hydrogen Storage Chemistry	190
WASHINGTON UNIVERSITY St. Louis, MO	DE-FG02-11ER41748 07/14/2016 Lapi	SC-26.2	Direct Production of ^{99m} Tc Using a Small Medical Cyclotron	150
WASHINGTON UNIVERSITY St. Louis, MO	DE-FG02-10ER41708 08/31/2013 Sobotka	SC-26.2	Breakup of Loosely Bound Nuclei at Intermediate Energies for Nuclear Astrophysics & the Development of a Position Sensitive Microstrip Detector	26
WASHINGTON UNIVERSITY St. Louis, MO	DE-FG02-10ER41643 03/30/2012 Welch	SC-26.2	Improved Production and Separation Technologies for Non-Standard PET Radionuclides	0
WASHINGTON UNIVERSITY St. Louis, MO	DE-FG02-10ER41673 05/31/2015 Alford	SC-26.1	Collaborative Research: Neutrinos and Nucleosynthesis in Hot Dense Matter	30
WASHINGTON UNIVERSITY St. Louis, MO	DE-FG02-08ER64694 09/14/2012 Pakrasi	SC-23.2	Development of Cyanothecae as a New Model Organism for Biological Hydrogen Production	0
WASHINGTON UNIVERSITY St. Louis, MO	DE-FG02-09ER64820 08/31/2013 Welch	SC-23.2	Integrated Research Training Program of Excellence in Radiochemistry	1,092
WASHINGTON UNIVERSITY St. Louis, MO	DE-FG02-09ER64891 09/14/2012 Lapi	SC-23.2	Novel, Dually Radiolabeled Peptides for Simultaneous Monitoring of Enzymatic Activity and Protein Targets	0
Total for MO :				16,676

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Information Management for Office of Science (IMSC)
Listing of Active Awards for State (MS)

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2011
JACKSON STATE UNIVERSITY Jackson, MS	DE-FG02-08CH11506 05/30/2011 Okojie	SC-23	Renovation/Construction of the Jackson State University' Bioengineering Complex	0
MISSISSIPPI STATE UNIVERSITY Mississippi State, MS	DE-FG02-07ER64459 08/31/2012 Peng	SC-23.2	Identification of Cell Wall Synthesis Regulatory Genes Controlling Biomass Characteristics and Yield in Rice (Oryza	0
MISSISSIPPI STATE UNIVERSITY Mississippi State, MS	DE-FG02-96ER41006 06/30/2014 Winger	SC-26.1	Nuclear Structure Studies of Exotic Nuclei with Radioactive Ion Beams	77
MISSISSIPPI STATE UNIVERSITY Mississippi State, MS	DE-FG02-06ER46315 08/31/2012 Clay	SC-22.22	Charge Frustration, Spin Singlets and Superconductivity in the 1/4-filled Band Paired-Electron Crystal	140
MISSISSIPPI STATE UNIVERSITY Mississippi State, MS	DE-FG02-07ER41459 11/14/2012 Afanasjev	SC-26.1	Nuclei at Extreme Conditions: A Relativistic Study	74
MISSISSIPPI STATE UNIVERSITY Mississippi State, MS	DE-FG02-07ER41528 08/31/2013 Dutta	SC-26.1	Precision Measurements at Medium Energy	278
MISSISSIPPI STATE UNIVERSITY Mississippi State, MS	DE-FG02-95ER40939 04/30/2013 Ma	SC-26.1	Experimental Nuclear Structure Studies	169
MISSISSIPPI STATE UNIVERSITY Mississippi State, MS	DE-FG02-04ER15514 01/31/2015 Sygula	SC-22.12	Polynuclear Aromatic Hydrocarbons with Curved Surfaces: Buckybowls	135
MISSISSIPPI STATE UNIVERSITY Mississippi State, MS	DE-FG02-11ER65204 08/13/2013 Hatten	SC-23.1	Exploratory Research - Using Volatile Organic Compounds to Separate Heterotrophic and Autotrophic Forest Soil Respiration	149
MISSISSIPPI, UNIVERSITY OF University, MS	DE-FG02-91ER40622 04/30/2013 Cremaldi	SC-25	Experimental Study of Electroweak and Heavy Flavor Physics	361
Total for MS :				1,383

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Information Management for Office of Science (IMSC)
Listing of Active Awards for State (MT)

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2011
MONTANA STATE UNIVERSITY Bozeman, MT	DE-FG02-08ER46527 08/31/2012 Cunningham	SC-22.21	Environmental Responses to Geologic CO2 Sequestrations	369
MONTANA STATE UNIVERSITY Bozeman, MT	DE-FG02-07ER46477 08/31/2014 Douglas	SC-22.23	Multicomponent Protein Cage Architectures for Photocatalysis	253
MONTANA STATE UNIVERSITY Bozeman, MT	DE-FG02-11ER46817 07/31/2014 Nehrir	SC-22.21	Making the Grid "Smart" Through "Smart" Microgrids: Real-Time Power Management of Microgrids with Multiple Distributed Generation Sources Using Intelligent...	155
MONTANA STATE UNIVERSITY Bozeman, MT	DE-FG02-09ER64758 05/14/2012 Gerlach	SC-23.1	Microbial Activity and Precipitation at Solution-Solution Mixing Zones in Porous Media - Environmental Remediation Science	110
MONTANA STATE UNIVERSITY Bozeman, MT	DE-FG02-07ER64366 03/14/2012 Peyton	SC-23.1	Subsurface Uranium Fate & Transport: Integrated Experiments & Modeling of Coupled Biogeochemical Mechanisms of Nanocrystalline Uraninite Oxidation by	0
MONTANA STATE UNIVERSITY Bozeman, MT	DE-FG02-04ER15563 05/31/2012 Peters	SC-22.13	Novel Microbial Based Enzymatic CO2 Fixation/Carboxylation Mechanisms	0
MONTANA STATE UNIVERSITY Bozeman, MT	DE-FG02-10ER16194 09/14/2013 Broderick	SC-22.13	Role of HydF in Hydrogenase Maturation	185
MONTANA, UNIVERSITY OF Missoula, MT	DE-FG02-03ER54699 03/31/2013 Ware	SC-24.2	High Beta Stellarator Studies and Cross Phase Dynamics in Turbulent Transport	65
Total for MT :				1,137

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Information Management for Office of Science (IMSC)
Listing of Active Awards for State (NC)

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2011
DUKE UNIVERSITY Durham, NC	DE-FG02-97ER41033 02/29/2012 Howell	SC-26.1	Studies of Nuclear Structure Using Neutrons and Charged Particles	3,500
DUKE UNIVERSITY Durham, NC	DE-FG02-10ER64961 05/14/2013 Howell	SC-23.2	Radionuclide Imaging Technologies for Biological Systems	70
DUKE UNIVERSITY Durham, NC	DE-FG02-10ER64931 01/31/2013 Jirtle	SC-23.2	Epigenomic Adaptation to Low Dose Radiation	339
DUKE UNIVERSITY Durham, NC	DE-FG02-11ER65168 08/14/2016 Hsu-Kim	SC-23.1	Nanoscale Mercury Sulfide-Organic Matter Interactions and Implications for Solubility and Biomethylation	123
DUKE UNIVERSITY Durham, NC	DE-FG02-11ER65203 08/31/2014 Katul	SC-23.1	Constraining the Simultaneous Effects of Elevated CO ₂ , Temperature, and Shifts in Rainfall Patterns on Ecosystem Carbon Fluxes using Multi-Scale Resource....	294
DUKE UNIVERSITY Durham, NC	DE-FG02-09ER16074 08/31/2012 Therien	SC-22.13	Organic, Nanoscale, and Self-Assembled Structures Relevant to Solar Energy Conversion	160
DUKE UNIVERSITY Durham, NC	DE-FG02-05ER41367 03/14/2014 Mueller	SC-26.1	Nuclear Physics at Extreme Energy Density	370
DUKE UNIVERSITY Durham, NC	DE-FG02-05ER41368 03/14/2014 Springer	SC-26.1	Lattice and Effective Field Theory Studies of Quantum Chromodynamics	357
DUKE UNIVERSITY Durham, NC	DE-FG02-10ER41683 05/31/2013 Mueller	SC-26.1	Proposal for a Topical Collaboration on Quantitative Jet and Electromagnetic Tomography (JET) of Extreme Phases of Matter in Heavy-Ion Collisions	91
DUKE UNIVERSITY Durham, NC	DE-FG02-91ER40665 11/30/2012 Kotwal	SC-25	Research in High Energy Physics at Duke University	1,344
DUKE UNIVERSITY Durham, NC	DE-FG02-03ER41231 12/14/2013 Gao	SC-26.1	Medium Energy Physics at Duke University	450
DUKE UNIVERSITY Durham, NC	DE-FG02-10ER46772 08/31/2013 Baranger	SC-22.22	Quantum Phases of Nanowires: Quantum Monte Carlo Approaches	90
DUKE UNIVERSITY Durham, NC	DE-FG02-09ER46602 08/14/2012 Thomas	SC-22.22	Simulating Strongly Correlated Electrons with a Strongly Interacting Fermi Gas	157
DUKE UNIVERSITY Durham, NC	DE-FG02-09ER46606 05/31/2012 Finkelstein	SC-22.22	Symmetries, Interactions and Correlation Effects in Carbon Nanotubes	150
DUKE UNIVERSITY Durham, NC	DE-FC02-06ER64156 11/30/2012 Jackson	SC-23.1	Southeastern Regional Center of the National Institute for Climatic Change Research	0

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Information Management for Office of Science (IMSC)
Listing of Active Awards for State (NC)

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2011
DUKE UNIVERSITY Durham, NC	DE-FG02-95ER62083 07/31/2012 Oren, Schlesinger	SC-23.1	Duke Forest FACE - Forest-Atmosphere Carbon Transfer and Storage (FACTS-I)	898
NMENTAL PROTECT AGENCY, NHEERL Research Triangle Pk, NC	DE-AI02-10ER65044 07/31/2013 Mathur	SC-23.1	Evaluation of the Interactions Among Tropospheric Aerosol Loading, Radiative Balance, Clouds, and Precipitation	298
NORTH CAROLINA CENTRAL UNIV. Durham, NC	DE-FG02-10ER41716 08/31/2013 Crowe	SC-26.1	A Proposal to Measure the Space Star Cross Section in Neutron - Deuteron Breakup in a Recoil Geometry Setup	109
NORTH CAROLINA CENTRAL UNIV. Durham, NC	DE-FG02-96ER54385 01/31/2012 Jones	SC-24.2	Precision Characterization of Gyrotron Window Materials	74
NORTH CAROLINA CENTRAL UNIV. Durham, NC	DE-FG02-11ER46834 08/31/2014 Bondarev	SC-22.22	Surface Electromagnetic Phenomena in Pristine and Atomically Doped Carbon Nanotubes: Fundamentals and Applications	100
ORTH CAROLINA STATE UNIVERSITY Raleigh, NC	DE-FG02-96ER14632 05/14/2014 Lindsey	SC-22.13	Fundamental Studies of Hydroporphyrin Architectures for Solar Energy Applications	220
ORTH CAROLINA STATE UNIVERSITY Raleigh, NC	DE-FG02-02ER15354 09/14/2014 Smirnov	SC-22.13	Nanotube-Supported Phospholipid Bilayers	160
ORTH CAROLINA STATE UNIVERSITY Raleigh, NC	DE-FG02-02ER41216 07/14/2013 McLaughlin	SC-26.1	Supernovae and Black Hole Accretion Disks: Weak Interactions and Element Synthesis	135
ORTH CAROLINA STATE UNIVERSITY Raleigh, NC	DE-FG02-03ER41260 07/14/2012 Schaefer	SC-26.1	Nuclear Theory at North Carolina State University	257
ORTH CAROLINA STATE UNIVERSITY Raleigh, NC	DE-FC02-10ER26002 08/31/2013 Samatova	SC-21.1	Damsel: a Data Model Storage Library for Exascale Science	230
ORTH CAROLINA STATE UNIVERSITY Raleigh, NC	DE-FC02-07ER25809 11/14/2012 Vouk	SC-21.1	Scientific Data Management Center for Enabling Technologies (CET)	177
ORTH CAROLINA STATE UNIVERSITY Raleigh, NC	DE-FG02-07ER15914 08/31/2012 Maggard	SC-22.13	Molecular to Microstructural Designs in Heterometallic Solids for Visible-Light Photocatalysts	0
ORTH CAROLINA STATE UNIVERSITY Raleigh, NC	DE-FG02-10ER41677 05/31/2015 McLaughlin	SC-26.1	Collaborative Research: Neutrinos and Nucleosynthesis in Hot and Dense Matter	145
ORTH CAROLINA STATE UNIVERSITY Raleigh, NC	DE-FG02-07ER64448 07/31/2012 Lackmann	SC-23.1	High-Resolution Modeling to Assess Tropical Cyclone Activity in Future Climate Regimes	0
ORTH CAROLINA STATE UNIVERSITY Raleigh, NC	DE-FG02-08ER64510 12/31/2012 Dunn	SC-23.1	Impacts of Elevated Temperature on Ant Species, Communities and Ecological Roles at Two Temperate Forests in Eastern North	721

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Listing of Active Awards for State (NC)

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2011
ORTH CAROLINA STATE UNIVERSITY Raleigh, NC	DE-FG02-08ER64687 09/14/2013 Kelly	SC-23.2	Biohydrogenogenesis in the Thermotogales	0
ORTH CAROLINA STATE UNIVERSITY Raleigh, NC	DE-FG02-11ER41750 07/14/2016 Kneller	SC-26.1	The Neutrino: A Better Understanding Through Astrophysics	150
ORTH CAROLINA STATE UNIVERSITY Raleigh, NC	DE-FG02-98ER45685 02/28/2013 Bernholc	SC-22.22	Theoretical Investigations of Nano Bio Structures	100
ORTH CAROLINA STATE UNIVERSITY Raleigh, NC	DE-FG02-98ER45737 06/14/2013 Ade	SC-22.23	Fundamental Science of High Open Circuit Voltage Excitonic Solar Cells	250
ORTH CAROLINA STATE UNIVERSITY Raleigh, NC	DE-FG02-09ER46655 09/14/2012 Henderson	SC-22.23	SISGR: Linking Ion Solvation and Lithium Battery Electrolyte Properties	177
ORTH CAROLINA STATE UNIVERSITY Raleigh, NC	DE-FG02-97ER41042 03/31/2012 Huffman	SC-26.1	Nuclear Structure Research at the Triangle Universities Nuclear Laboratory	691
ORTH CAROLINA STATE UNIVERSITY Raleigh, NC	DE-FG02-11ER65173 08/31/2014 Chiang	SC-23.2	Modeling of Cellulose, Hemicellulose and Ligin-Carbohydrate Complex Formation and Regulation to Understand Plant Cell Wall Structure	749
ORTH CAROLINA STATE UNIVERSITY Raleigh, NC	DE-FG02-11ER65176 08/31/2014 Zhang	SC-23.1	Collaborative Research: Simulating Aerosol Indirect Effects with Improved Aerosol-Cloud-Precipitation	255
ORTH CAROLINA STATE UNIVERSITY Raleigh, NC	DE-FG02-11ER65198 09/14/2014 Genereux	SC-23.1	Water-Carbon Links in a Tropical Forest: How Interbasin Groundwater Flow Affects Carbon Fluxes and Ecosystem Carbon Budgets	265
ORTH CAROLINA STATE UNIVERSITY Raleigh, NC	DE-FG02-11ER65189 08/31/2014 Domec	SC-23.1	Quantifying the Effect of Nighttime Interactions Between Roots and Canopy Physiology and Their Control of Water and	215
ORTH CAROLINA STATE UNIVERSITY Raleigh, NC	DE-FG02-11ER65237 09/14/2014 Yuter	SC-23.1	Collaborative Research: Cloudiness Transitions Within Shallow Marine Clouds Near the Azores	167
, UNIVERSITY OF AT CHAPEL HILL Chapel Hill, NC	DE-FG02-10ER41675 05/31/2015 Engel	SC-26.1	Collaboration: Neutrinos and Nucleosynthesis in Hot and Dense Matter	30
, UNIVERSITY OF AT CHAPEL HILL Chapel Hill, NC	DE-FG02-97ER41019 01/14/2015 Engel	SC-26.1	Nuclear Theory with Applications to Astrophysics and Particle Physics	110
, UNIVERSITY OF AT CHAPEL HILL Chapel Hill, NC	DE-FG02-05ER46216 08/14/2012 Tsui	SC-22.22	Structure and Magnetism in Novel Group IV Element-Based Magnetic Materials	161
, UNIVERSITY OF AT CHAPEL HILL Chapel Hill, NC	DE-FC02-09ER41589 05/31/2012 Engel	SC-26.1	Universal Nuclear Energy Density Functional	83

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Listing of Active Awards for State (NC)

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2011
, UNIVERSITY OF AT CHAPEL HILL Chapel Hill, NC	DE-FG02-06ER41418 06/30/2012 Ng	SC-25	Theoretical Research in Cosmology, High-Energy Physics and String Theory at UNC-CH	186
, UNIVERSITY OF AT CHAPEL HILL Chapel Hill, NC	DE-FC02-06ER41445 03/14/2012 Fowler	SC-25	SciDAC: National Computational Infrastructure for Lattice Gauge Theory	0
, UNIVERSITY OF AT CHAPEL HILL Chapel Hill, NC	DE-FG02-06ER15788 05/14/2012 Meyer, Papanikolas	SC-22.13	Metal-to-Ligand Charge Transfer Excited States at Interfaces and in Rigid Media: Applications in Energy Conversion	190
, UNIVERSITY OF AT CHAPEL HILL Chapel Hill, NC	DE-FC02-11ER26050 08/31/2016 Fowler	SC-21.1	The Institute for Sustained Performance, Energy and Resilience (SUPER)	215
, UNIVERSITY OF AT CHAPEL HILL Chapel Hill, NC	DE-FG02-10ER26016 08/31/2013 Baldine	SC-21.1	Orchestrating Distributed Resource Ensembles for Petascale Science	169
, UNIVERSITY OF AT CHAPEL HILL Chapel Hill, NC	DE-FG02-10ER25974 03/14/2013 Huang	SC-21.1	Higher-Order, Space-Time Adaptive Finite Volume Methods: Algorithms, Analysis and Applications	161
, UNIVERSITY OF AT CHAPEL HILL Chapel Hill, NC	DE-FG02-09ER25879 08/14/2012 Forest	SC-21.1	Modeling and Algorithmic Approaches to Constitutively-Complex, Microstructured Fluids	155
, UNIVERSITY OF AT CHAPEL HILL Chapel Hill, NC	DE-FG02-09ER16099 09/14/2012 Miller	SC-22.12	SISGR - Multiscale Modeling of Multiphase Flow, Transport, and Reactions in Porous Medium Systems	200
, UNIVERSITY OF AT CHAPEL HILL Chapel Hill, NC	DE-FG02-11ER16235 07/14/2016 Lopez	SC-22.13	Bio-Inspired Electro-Photonic Structure for Dye-Sensitized Solar Cells	171
, UNIVERSITY OF AT CHAPEL HILL Chapel Hill, NC	DE-FC02-06ER25764 12/14/2012 Fowler	SC-21.1	Performance Engineering Research Center (PERC-3)	215
, UNIVERSITY OF AT CHAPEL HILL Chapel Hill, NC	DE-FG02-95ER20187 07/14/2012 Dangl	SC-22.13	Pathogen virulence factors as unique probes of plant cell structure and function	236
, UNIVERSITY OF AT CHAPEL HILL Chapel Hill, NC	DE-FG02-06CH11460 11/30/2011 Pisano	SC-23	Collaborative Initiative in Biomedical Imaging to Study Complex Diseases	0
, UNIVERSITY OF AT CHAPEL HILL Chapel Hill, NC	DE-FG02-97ER14776 10/31/2012 Baer	SC-22.11	Threshold Photoelectron Photoion Coincidence (TPEPICO) studies: The road to +/-0.1 kJ/mol Thermochemistry	0
, UNIVERSITY OF AT CHAPEL HILL Chapel Hill, NC	DE-FG02-05ER15671 06/14/2013 Jones	SC-22.13	Sugar Sensing in Arabidopsis via AtRGS1	165
, UNIVERSITY OF AT CHAPEL HILL Chapel Hill, NC	DE-FG02-05ER15630 10/31/2012 Gagne	SC-22.12	Oxidative Addition at Anomeric Centers in the Pursuit of Value-Added Fine Chemical Feedstocks From Cardboard and Potatoes	145

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Information Management for Office of Science (IMSC)
Listing of Active Awards for State (NC)

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2011
, UNIVERSITY OF AT CHAPEL HILL Chapel Hill, NC	DE-FG02-97ER41041 03/31/2012 Wilkerson	SC-26.1	Studies of Nuclear Processes	1,094
NA, UNIVERSITY OF AT CHARLOTTE Charlotte, NC	DE-FG02-05ER25678 08/31/2012 Cai	SC-21.1	Numerical Methods of Computational Electromagnetics for Complex Inhomogeneous Systems	0
			Total for NC :	17,724

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 Information Management for Office of Science (IMSC)
 Listing of Active Awards for State (ND)

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2011
NORTH DAKOTA STATE UNIVERSITY Fargo, ND	DE-FG02-96ER14645 05/14/2014 Hershberger	SC-22.11	Kinetics and Product Channel Studies in Combustion Chemistry	90
NORTH DAKOTA, UNIVERSITY OF Grand Forks, ND	DE-FG02-06ER46292 07/14/2012 Seames	SC-22.21	The North Dakota DOE EPSCoR IIP Phase 2: Performance Impacts of Impurities in Clean Coal Systems Equipped with Carbon Capture	650
NORTH DAKOTA, UNIVERSITY OF Grand Forks, ND	DE-FG02-11ER65139 12/31/2012 Bradley	SC-23.2	Avian Diagnostic and Therapeutic Antibodies	2,916
Total for ND :				3,656

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Information Management for Office of Science (IMSC)
Listing of Active Awards for State (NE)

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands)
				FY 2011
CREIGHTON UNIVERSITY Omaha, NE	DE-FG02-96ER40991 06/30/2014 Cherney	SC-26.1	A Study of Ultra-Relativistic Heavy Ion Collisions	229
EBRASKA, UNIVERSITY OF LINCOLN Lincoln, NE	DE-FG02-03ER63639 09/14/2012 Verma	SC-23.1	Carbon Sequestration in Dryland and Irrigated Agroecosystems: Quantification at Different Scales for Improved Prediction	0
EBRASKA, UNIVERSITY OF LINCOLN Lincoln, NE	DE-FG02-08ER55000 07/31/2012 Shadwick	SC-24.2	Wavebreaking and Particle Trapping in Collisionless Plasmas	0
EBRASKA, UNIVERSITY OF LINCOLN Lincoln, NE	DE-FG02-09ER46621 08/14/2012 Shield	SC-22.21	Phase Transformations in Confined Nanosystems	15
EBRASKA, UNIVERSITY OF LINCOLN Lincoln, NE	DE-FG02-09ER46622 08/14/2012 Ramamurthy	SC-22.21	Dynamic Optimized Advanced Scheduling of Bandwidth Demands for Large-Scale Science Applications	15
EBRASKA, UNIVERSITY OF LINCOLN Lincoln, NE	DE-FG02-09ER46591 05/31/2013 Saraf	SC-22.23	Electronic Interfacing Between a Living Cell and a Nanodevice: A Bio-Nano Hybrid System	240
EBRASKA, UNIVERSITY OF LINCOLN Lincoln, NE	DE-FG02-10ER46767 07/31/2013 Gruverman	SC-22.21	Nanoscale Resistive Switching Behavior of Ferrelectric and Multiferroic Tunnel Junctions	250
EBRASKA, UNIVERSITY OF LINCOLN Lincoln, NE	DE-FG02-10ER46722 06/30/2013 Gruverman	SC-22.21	Nanoscale Studies of Pyroelectric and Thermoelectric Phenomena	15
EBRASKA, UNIVERSITY OF LINCOLN Lincoln, NE	DE-FG02-08ER46490 06/14/2012 Snow	SC-22.21	The Luminosity Measurement for the DZERO Experiment at Fermilab	0
EBRASKA, UNIVERSITY OF LINCOLN Lincoln, NE	DE-FG02-08ER46498 06/14/2012 arme	SC-22.21	Rational Design of Molecular Ferroelectric Materials and Nanostructures	0
EBRASKA, UNIVERSITY OF LINCOLN Lincoln, NE	DE-FG02-04ER46152 06/18/2013 Sellmyer	SC-22.22	Fundamental Studies of High-Anisotropy Nanomagnets	115
EBRASKA, UNIVERSITY OF LINCOLN Lincoln, NE	DE-FG02-10ER16189 08/31/2014 Mackenzie	SC-22.13	MSH1: a novel inter-organellar environmental response mechanism in higher plants	179
EBRASKA, UNIVERSITY OF LINCOLN Lincoln, NE	DE-FG02-05ER15663 02/14/2013 Umstadter	SC-22.11	Laser Produced Coherent X-Ray Sources	150
EBRASKA, UNIVERSITY OF LINCOLN Lincoln, NE	DE-FG02-00ER15044 04/30/2013 Spreitzer	SC-22.13	Role of the Rubisco Small Subunit	165
EBRASKA, UNIVERSITY OF LINCOLN Lincoln, NE	DE-FG02-96ER14646 05/31/2014 Starace	SC-22.11	Dynamics of Few-Body Atomic Processes	120

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Listing of Active Awards for State (NE)

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2011
EBRASKA, UNIVERSITY OF LINCOLN Lincoln, NE	DE-FG02-09ER64908 09/14/2012 Dweikat	SC-23.2	Characterization of Nitrogen Use Efficiency in Sweet Sorghum	130
NEBRASKA, UNIVERSITY OF OMAHA Omaha, NE	DE-FG02-08ER64579 07/14/2012 Lyubchenko	SC-23.2	Nanoimaging to Prevent and Treat Alzheimer's and Parkinson's Diseases	0
			Total for NE :	1,623

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Information Management for Office of Science (IMSC)
Listing of Active Awards for State (NH)

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2011
DARTMOUTH COLLEGE Hanover, NH	DE-FG02-07ER54915 01/31/2012 Rogers	SC-24.2	Gyrokinetic Simulations of Turbulent Transport in Fusion Plasmas	0
DARTMOUTH COLLEGE Hanover, NH	DE-FG02-07ER46392 06/30/2013 Baker	SC-22.22	Deformation of Spinodally-Formed Nanostructured Two-Phase B2/L21 Alloys	150
DARTMOUTH COLLEGE Hanover, NH	DE-FG02-05ER15704 09/14/2012 Schaller	SC-22.13	Post-transcriptional regulation of ethylene perception and signaling in Arabidopsis	174
DARTMOUTH COLLEGE Hanover, NH	DE-FG02-06ER15809 07/31/2012 Guerinot	SC-22.13	From the Soil to the Seed: Metal Transport in Arabidopsis	160
NEW HAMPSHIRE, UNIVERSITY OF Durham, NH	DE-FG02-88ER40410 12/31/2014 Holtrop, Slifer, Calarco	SC-26.1	Electromagnetic Studies of Nucleon and Nuclear Structure	415
NEW HAMPSHIRE, UNIVERSITY OF Durham, NH	DE-FG02-07ER46372 06/30/2013 Bhattacharjee	SC-22.21	Center for Integrated Computation and Analysis of Reconnection and Turbulence	750
NEW HAMPSHIRE, UNIVERSITY OF Durham, NH	DE-FG02-07ER54941 07/31/2012 Chen	SC-24.2	Collaborative Research: Dynamics of Electrostatic Solitary Waves and Their Effects on Current Layers	0
NEW HAMPSHIRE, UNIVERSITY OF Durham, NH	DE-FG02-11ER55108 08/31/2014 Fox	SC-24.2	Fast Magnetic Reconnection in High-Energy Laser-Produced Plasmas	123
NEW HAMPSHIRE, UNIVERSITY OF Durham, NH	DE-FG02-11ER55093 07/14/2016 Germaschewski	SC-24.2	Extended MHD Modeling of Nonlinear Instabilities in Fusion Plasmas	150
Total for NH :				1,922

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Information Management for Office of Science (IMSC)
Listing of Active Awards for State (NJ)

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2011
ALCATEL-LUCENT USA Murray Hill, NJ	DE-FC02-10ER25997 08/31/2013 McKie	SC-21.1	A Fault-Oblivious Extreme-Scale Execution Environment	80
ALCATEL-LUCENT USA Murray Hill, NJ	DE-FG02-08ER25847 01/14/2012 McKie	SC-21.1	HARE - Holistic Aggregated Resource Environment for Million-CPU Systems	300
HRS FUSION, LLC West Orange, NJ	DE-FG02-09ER55030 08/14/2012 Strauss	SC-24.2	Hall MHD Stability and Turbulence in Magnetically Accelerated Plasmas	75
HRS FUSION, LLC West Orange, NJ	DE-FC02-09ER55009 02/14/2016 Strauss	SC-24.2	Center for Extended Magnetohydrodynamic Modeling	65
INSTITUTE FOR ADVANCED STUDY Princeton, NJ	DE-FG02-90ER40542 11/30/2012 Seiberg, Arkani-Hamed, Adler	SC-25	Problems in Particle Theory	770
TMOS ADMIN, COMMERCE-PRINCETON Princeton, NJ	DE-AI02-11ER65147 08/31/2014 Donner	SC-23.1	Using ARM Observations to Evaluate Cloud and Convection Parameterizations and Cloud-Convection-Radiation Interactions in the GFDL Atmospheric General Circulatio	124
NEW JERSEY INSTITUTE OF TECH Newark, NJ	DE-FG02-09ER64834 06/01/2012 Prodan	SC-23.1	Adopting Biophysical Methods in Pursuit of Biogeophysical Research	0
NEW JERSEY INSTITUTE OF TECH Newark, NJ	DE-FG02-07ER46402 07/14/2014 Tyson	SC-22.22	Exploring Electrical Polarization Mechanisms in Multiferroic Oxides	164
NOVA PHOTONICS, INC. Princeton, NJ	DE-FG02-01ER54616 12/14/2012 Levinton	SC-24.2	Development of the Motional Stark Effect Diagnostic Using Laser-Induced Fluorescence (MSE-LIF)	360
NOVA PHOTONICS, INC. Princeton, NJ	DE-FG02-99ER54520 02/29/2012 Levinton	SC-24.2	The Motional Stark Effect Diagnostic for NSTX	430
PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-08ER55001 07/31/2012 Fleischer	SC-24.2	Kinetic Instabilities and Turbulence in Photonic Plasma	0
PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-09ER55010 03/31/2012 Fisch	SC-24.2	Alpha Channeling in Open-System Magnetic Devices	60
PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-10ER41659 04/14/2015 Marlow	SC-25	RECOVERY ACT: Exploring New Physics Beyond the Standard Model	0
PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-09ER64813 08/31/2012 Rabinowitz	SC-23.2	Integration of Carbon, Nitrogen, and Oxygen Metabolism in Escherichia Coli	166
PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-11ER55095 07/31/2014 Suckewer	SC-24.2	Compact Ultraintense FSEC Laser Via Raman Amplifier and Compressor in Plasma	129

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PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-07ER64467 02/29/2012 Sarmiento	SC-23.1	Do Coupled Climate Models Correctly Simulate the Upward Branch of the Deep Ocean Global Conveyor	0
PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-07ER46419 07/31/2013 Yazdani	SC-22.22	Probing Correlated Superconductors and their Phase Transitions on the Nanometer Scale	200
PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-09ER46610 08/31/2012 Bhatt	SC-22.22	TMS: Design Principles for Quantum Hall States	475
PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-10ER46773 08/31/2013 Car	SC-22.22	CMSN: Structure and Dynamics of Water and Aqueous Solution in Materials Science	320
PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-98ER45706 04/30/2013 Cava	SC-22.23	New Superconducting Materials	186
PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-98ER45683 02/14/2013 Tsui	SC-22.22	Transport Experiments on 2D Correlated Electron Physics in Semiconductors	165
PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-00ER45841 11/14/2012 Shayegan	SC-22.22	Magneto-Transport in GaAs Two-Dimensional Hole Systems	175
PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-11ER41758 08/31/2012 McDonald	SC-25	Fast Timing Detectors for High-Rate Environments	49
PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-05ER46200 07/31/2012 Hasan	SC-22.21	Synchrotron X-ray Based Electronic Structure Study of Correlated Quantum Materials	410
PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-05ER46201 04/30/2014 Car	SC-22.22	Fundamental Theory of Electronic Structure in the Nanoregime: Transport Through Single Molecules	105
PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-04ER46165 04/30/2012 Kahn	SC-22.22	Understanding and Design of Polymer Devices Interfaces	0
PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-04ER46108 12/31/2014 Torquato	SC-22.23	Optimizing Interaction Potentials to Form Targeted Material Structures	127
PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-06ER46344 03/14/2013 Selloni	SC-22.23	Conceptual Design by First-Principles Molecular Dynamics of a Nanostructured Bio-Inspired Catalyst/ Electrode System for Hydrogen Production	225
PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-02ER15344 10/31/2014 Rabitz	SC-22.11	Control of Molecular Dynamics: Algorithms for Design, Analysis and Implementation	130
PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-09ER16057 08/31/2012 Panagiotopoulos	SC-22.11	Interactions, Phase Equilibria and Self-Assembly in Ionic Systems	119

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PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-09ER16058 02/28/2013 Carter	SC-22.11	Optimizing New Materials for Solar Energy Conversion Via Quantum Mechanics	144
PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-09ER16065 08/31/2012 Bocarsly	SC-22.13	Photoelectrochemical Conversion of Carbon Dioxide to Methanol and Higher Order Alcohols	210
PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-09ER16031 07/31/2014 Law	SC-22.13	Energy Frontier Research Center for Combustion Science -- EFRC	3,537
PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-11ER16222 07/14/2014 Chirik	SC-22.12	Understanding Nitrogen Fixation	160
PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-91ER40671 04/30/2012 Marlow, Smith	SC-25	High Energy Physics Research	2,839
PRINCETON UNIVERSITY Princeton, NJ	DE-FC02-08ER41544 09/14/2012 Burrows	SC-25	SciDAC: Computational Astrophysics Consortium: 3. Supernovae, Gamma-Ray Bursts, and Nucleosynthesis	75
PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-10ER26024 08/31/2013 Kevrekidis	SC-21.1	Modeling and Simulation of High Dimensional Stochastic Multiscale PDE Systems at the Exascale	124
PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-09ER25877 08/31/2012 Kevrekidis	SC-21.1	Equation-Free and Variable-Free Modeling for Complex/Multiscale Systems: Coarse-Grained Computation in Science and Engineering Using Fine-Grained Models	524
PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-09ER64748 05/14/2012 Peters	SC-23.1	Effects of Pore Structure Change and Multi-Scale Heterogeneity on Contaminant Transport and Reaction Rate Upscaling	137
PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-11ER65313 09/15/2014 Jaffe	SC-23.1	Fate of Uranium During Transport Across the Groundwater-Surface Water Interface	250
PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-11ER65335 09/14/2014 Held	SC-23.1	Parameterization Development at High Resolution in Atmospheric Models Utilizing Both Idealized and Realistic Model	668
PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-11ER65307 09/14/2014 Sarmiento	SC-23.1	Collaborative Project: Mode and Intermediate Waters in Earth System Models	167
PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-11ER65288 09/14/2014 Morel	SC-23.1	Mechanisms of Hg(II) Uptake and Methylation in Methylating Bacteria	250
PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-11ER65265 08/31/2014 Rabinowitz	SC-23.2	Metabolomics of Clostridial Biofuel Production	440
PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-11ER65266 08/31/2014 Yang	SC-23.2	Development of Quantum Dot Probes for Studies of Synergy Between Components of the Wood-Degrading Fungal Enzymes	645

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PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-10ER65101 09/14/2013 Myneni	SC-23.1	Role of Sulfhydryl Sites on Bacterial Cell Walls in the Biosorption, Mobility and Bioavailability of Mercury	242
PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-10ER64990 07/14/2013 Onstott	SC-23.2	The Impact of Global Warming on the Carbon Cycle of Arctic Permafrost: An Experimental and Field Based Study	668
TATE UNIV OF NJ, NEW BRUNSWICK New Brunswick, NJ	DE-FG02-96ER40959 02/28/2013 Thomas	SC-25	Research in Theoretical High Energy Physics	577
TATE UNIV OF NJ, NEW BRUNSWICK New Brunswick, NJ	DE-FG02-01ER41165 02/28/2013 Neuberger	SC-25	Research in High Energy Physics - Theory	90
TATE UNIV OF NJ, NEW BRUNSWICK New Brunswick, NJ	DE-FG02-10ER25977 04/30/2013 Silver	SC-21.1	SciDAC Institute for Ultra-Scale Visualization: Activity Recognition for Ultra-Scale Visualization	140
TATE UNIV OF NJ, NEW BRUNSWICK New Brunswick, NJ	DE-FG02-01ER15256 01/14/2012 Galoppini, Bartynski	SC-22.13	Model Dyes for Study of Electron Transfer Processes at Metal Oxide Semiconductor Interfaces	192
TATE UNIV OF NJ, NEW BRUNSWICK New Brunswick, NJ	DE-FG02-93ER14331 02/14/2014 Bartynski	SC-22.12	Nanoscale Surface Chemistry and Electrochemistry of Clean and Metal-Covered Faceted Substrates: Structure, Reactivity and Electronic	170
TATE UNIV OF NJ, NEW BRUNSWICK New Brunswick, NJ	DE-FG02-09ER16118 09/14/2012 Castner	SC-22.13	SISGR: Physical Chemistry of Reaction Dynamics in Ionic Liquids	650
TATE UNIV OF NJ, NEW BRUNSWICK New Brunswick, NJ	DE-FG02-10ER16195 08/31/2013 Dismukes	SC-22.13	Maximizing Photosystem II Water Oxidizing Efficiency Through the Identification of Optimal Protein Coordination Environments	165
TATE UNIV OF NJ, NEW BRUNSWICK New Brunswick, NJ	DE-FG02-99ER45742 11/14/2012 Andrei	SC-22.22	Experimental Studies of Magnetic Correlation and Induced Superconductivity in Graphene Crystals	160
TATE UNIV OF NJ, NEW BRUNSWICK New Brunswick, NJ	DE-FG02-99ER45790 06/30/2012 Coleman	SC-22.22	Spin Driven Phenomena in Strongly Correlated Materials	125
TATE UNIV OF NJ, NEW BRUNSWICK New Brunswick, NJ	DE-FG02-99ER45761 08/14/2012 Kotliar, Abrahams	SC-22.22	Correlation Effects and Magnetism in Actinide: Elements and Compounds	150
TATE UNIV OF NJ, NEW BRUNSWICK New Brunswick, NJ	DE-FG02-06ER46336 05/14/2013 Garofalini	SC-22.23	Atomistic Structure, Strength, and Kinetic Properties of Intergranular Films in Ceramics	190
TATE UNIV OF NJ, NEW BRUNSWICK New Brunswick, NJ	DE-FG02-07ER46382 05/31/2013 Cheong	SC-22.21	Magnetoelectric Hybrid Modes in Multiferroics: Neutron and Ellipsometry Studies	209
TATE UNIV OF NJ, NEW BRUNSWICK New Brunswick, NJ	DE-FG02-10ER46765 05/14/2014 Batson	SC-22.21	Discovery of Dielectric Response and Forces in Sub-Nanoscale Objects	200

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TATE UNIV OF NJ, NEW BRUNSWICK New Brunswick, NJ	DE-FG02-10ER46763 08/31/2013 Podzorov	SC-22.23	Basic Surface Chemistry and Physics of Carbon-Based Electronic Materials Modified by Silane Molecular Layers	133
TATE UNIV OF NJ, NEW BRUNSWICK New Brunswick, NJ	DE-FG02-10ER46778 08/31/2013 Blumberg	SC-22.22	Raman Spectroscopy of Iron Oxypnictide Superconductors	140
TATE UNIV OF NJ, NEW BRUNSWICK New Brunswick, NJ	DE-FG02-10ER46775 08/31/2013 Kotliar	SC-22.22	CMSN: Computational Design of Fe-based Superconductors	245
TATE UNIV OF NJ, NEW BRUNSWICK New Brunswick, NJ	DE-FG02-08ER64544 04/30/2012 Barkay	SC-23.1	Reduction of Mercury in Saturated Subsurface Sediments and its Potential to Mobilize Mercury in its Elemental Form	0
TATE UNIV OF NJ, NEW BRUNSWICK New Brunswick, NJ	DE-FG02-08ER64531 05/31/2012 Miller	SC-23.1	Site Science for the Atmospheric Radiation Measurement Mobile Facility #1	416
TATE UNIV OF NJ, NEW BRUNSWICK New Brunswick, NJ	DE-FC02-06ER54857 01/14/2013 Parashar	SC-24.2	SciDAC - Center for Plasma Edge Simulation	150
TATE UNIV OF NJ, NEW BRUNSWICK New Brunswick, NJ	DE-FG02-96ER40987 06/30/2014 Mekjian	SC-26.1	Studies of Nuclei Under the Extreme Conditions of Density, Temperature, Isospin Asymmetry and the Phase Diagram of	62
TATE UNIV OF NJ, NEW BRUNSWICK New Brunswick, NJ	DE-FG02-11ER65145 03/31/2012 Zylstra	SC-23.1	US-EU Environmental Biotechnology Short Course on Microbial Catalysts for the Environment, July 2011	70
TATE UNIV OF NJ, NEW BRUNSWICK New Brunswick, NJ	DE-FG02-11ER65229 09/14/2014 Barkay	SC-23.1	Microbial Oxidation of Hg(0): Its Effect on Hg Stable Isotope Fractionation and Methylmercury Production	339
ERS - STATE UNIV OF NJ, NEWARK Newark, NJ	DE-FG02-11ER65219 09/14/2014 Schafer	SC-23.1	Effects of Disturbance on Carbon Sequestration in the New Jersey Pine Barrens	195
ERS - STATE UNIV OF NJ, NEWARK Newark, NJ	DE-FG02-11ER65311 09/14/2013 Keating	SC-23.1	Integrated Geophysical Measurements for Bioremediation Monitoring: Combining Spectral Induced Polarization, Nuclear	150
ERS - STATE UNIV OF NJ, NEWARK Newark, NJ	DE-FG02-09ER64854 08/14/2012 Ntarlagiannis	SC-23.1	Quantifying Microbe-Mineral Interactions Leading to Remotely Detectable Induced Polarization Signals: Implications for Monitoring Bioremediation	0
ERS - STATE UNIV OF NJ, NEWARK Newark, NJ	DE-FG02-06ER15828 12/31/2011 Piotrowiak	SC-22.13	Femtosecond Fluorescence Microscopy of Nanoparticles in Solar Photoconversion	0
Total for NJ :				21,407

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CE RESEARCH LAB., KIRTLAND AFB Kirtland AFB, NM	DE-AI02-04ER54764 05/31/2012 Degnan	SC-24.2	Compressional Heating of a Simply Connected, Magnetically Confined Toroidal Plasma	1,734
N INDIAN SCIENCE & ENG SOCIETY Albuquerque, NM	DE-FG02-10ER30327 05/14/2013 George	SC-27	AISES: Intertribal Middle School Science Bowl (IMSSB)	148
CNI TECHNICAL SERVICES, LLC Albuquerque, NM	DE-AC02-11ER35923 03/31/2013 Humphries	SC-45	IT Support Contract	1,500
LOVELACE BIOMED & ENVIR RES IN Albuquerque, NM	DE-FG02-09ER64783 07/14/2014 Scott	SC-23.2	Biological Bases for Radiation Adaptive Responses in the Lung	1,500
EXICO INST. OF MINING AND TECH Socorro, NM	DE-FG02-08CH11529 03/31/2012 Jones, Cervantes	SC-23	New Mexico Institute of Mining and Technology Will Use These Funds to Facilitate and Plan for Efforts to Construct an On-Campus Research Facility	0
O STATE UNIVERSITY, LAS CRUCES Las Cruces, NM	DE-FG02-08ER15996 08/14/2014 Smith	SC-22.12	Nitrogen Atom Transfer from High Valent Iron	155
O STATE UNIVERSITY, LAS CRUCES Las Cruces, NM	DE-FG02-94ER40847 03/31/2012 Kyle	SC-26.1	Experimental Studies of Quark-Gluon Structure of Nucleons and Nuclei	470
O STATE UNIVERSITY, LAS CRUCES Las Cruces, NM	DE-FG02-96ER40965 03/31/2014 Burkardt, Engelhardt	SC-26.1	Quark Gluon Structure of Hadrons in QCD	150
NEW MEXICO, UNIVERSITY OF Albuquerque, NM	DE-FG02-04ER41300 02/28/2013 Matthews, Seidel, Gold	SC-25	New Mexico Center for Particle Physics (NMCPP) -- Task A: Collider Physics; Task A2 Collider Physics; Task B: Particle Astrophysics	510
NEW MEXICO, UNIVERSITY OF Albuquerque, NM	DE-FG02-94ER40821 11/30/2014 Bassalleck, Fields	SC-26.1	Strange Particles and Heavy Ion Physics	363
NEW MEXICO, UNIVERSITY OF Albuquerque, NM	DE-FG02-09ER25899 07/31/2012 Ghani	SC-21.1	Virtualized Network Control (VNC) Project	52
NEW MEXICO, UNIVERSITY OF Albuquerque, NM	DE-FC02-10ER26007 08/31/2013 Bridges	SC-21.1	Enabling Exascale Hardware and Software Design Through Scalable System Virtualization	450
NEW MEXICO, UNIVERSITY OF Albuquerque, NM	DE-FG02-06ER15765 12/31/2012 Kemp	SC-22.12	Direct Partial Oxidations Using Molecular Oxygen	250
NEW MEXICO, UNIVERSITY OF Albuquerque, NM	DE-FG02-05ER15712 08/31/2014 Datye	SC-22.12	Nanostructured Catalysts for Hydrogen Generation from Renewable Feedstocks	205
NEW MEXICO, UNIVERSITY OF Albuquerque, NM	DE-FG02-03ER15419 07/31/2012 Paine	SC-22.12	Preorganized and Immobilized Ligands for Metal Ion Separations	145

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NEW MEXICO, UNIVERSITY OF Albuquerque, NM	DE-FG02-05ER15694 10/31/2014 Guo	SC-22.11	Quantum Dynamics of Elementary Chemical Reactions	61
NEW MEXICO, UNIVERSITY OF Albuquerque, NM	DE-FG02-02ER15368 11/14/2012 Brinker	SC-22.12	Catalytic and Transport Behaviors of Model Porous and Composite Nanostructures	180
NEW MEXICO, UNIVERSITY OF Albuquerque, NM	DE-FG02-08ER46506 06/30/2012 Litvak	SC-22.21	Linking Ecosystem Scale Vegetation Change to Shifts in Carbon and Water Cycling: The Consequences of Widespread Pinon	0
NEW MEXICO, UNIVERSITY OF Albuquerque, NM	DE-FG02-08ER46530 08/31/2012 Atanassov	SC-22.21	DOE EPSCoR Materials for Energy Conversion	500
NEW MEXICO, UNIVERSITY OF Albuquerque, NM	DE-FG02-09ER46619 08/14/2012 Lynn	SC-22.21	Development of Optimized Field-Reversed Configuration Plasma Formation Techniques for Magnetized Target Fusion	15
NEW MEXICO, UNIVERSITY OF Albuquerque, NM	DE-FG02-10ER46720 06/30/2013 Leseman	SC-22.21	Manipulation of Phonons With Phononic Crystals	10
NEW MEXICO, UNIVERSITY OF Albuquerque, NM	DE-FG02-07ER64393 03/14/2014 Pockman	SC-23.1	Hydraulic Mechanisms of Survival and Mortality During Drought in Pinon-Juniper Woodlands of Southwestern USA	508
NEW MEXICO, UNIVERSITY OF Albuquerque, NM	DE-FG02-09ER55062 08/14/2012 Gilmore	SC-24.2	Collaborative Research: Numerical and Experimental Investigation of Turbulent Transport Control via Shaping of Radial Plasma Flow Profiles	40
NEW MEXICO, UNIVERSITY OF Albuquerque, NM	DE-FG02-10ER55028 05/31/2012 Gilmore	SC-24.2	Formation of Imploding Plasma Liners for HEDP and MIF Applications	137
NEW MEXICO, UNIVERSITY OF Albuquerque, NM	DE-FG02-10ER41674 05/31/2015 Allahverdi	SC-26.1	Neutrinos and Nucleosynthesis in Hot and Dense Matter	93
NEW MEXICO, UNIVERSITY OF Albuquerque, NM	DE-FG02-99ER41104 05/14/2014 Ellison	SC-25	Investigations of Beam Dynamics Issues at Current and Future Hadron Accelerators	166
NC (DBA NEW MEXICO CONSORTIUM) Los Alamos, NM	DE-FG02-09ER55026 07/31/2012 Rose	SC-24.2	Instability and Transport of Laser Beam in Plasma	115
Total for NM :				9,457

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SYSTEM OF HIGHER ED - LAS VEGAS Las Vegas, NV	DE-FG02-08ER64709 05/31/2012 Piechota	SC-23.2	University of Nevada, Las Vegas Water in the 21st Century Multi-Disciplinary Research Project	0
SYSTEM OF HIGHER ED - LAS VEGAS Las Vegas, NV	DE-FG02-03ER63651 09/14/2012 Nowak	SC-23.1	Biotic Processes Regulating the Carbon Balance of Desert Ecosystems	0
SYSTEM OF HIGHER ED - LAS VEGAS Las Vegas, NV	DE-FG02-10ER46721 06/30/2013 Cornelius	SC-22.21	High Pressure X-ray Absorption Studies on Correlated-Electron Systems	15
SYSTEM OF HIGHER ED - LAS VEGAS Las Vegas, NV	DE-FG02-03ER15424 01/31/2013 Phaneuf	SC-22.11	Energetic Photon and Electron Interactions with Positive Ions	165
ADA SYSTEM OF HIGHER ED - RENO Reno, NV	DE-FG02-11ER16218 06/30/2014 Darling	SC-22.12	A New Probe for Rock Elasticity - Time-of-flight Modulation (TOFM)	61
NEVADA, UNIVERSITY OF Reno, NV	DE-FG02-04ER54752 05/31/2012 Bauer	SC-24.2	Intense Magnetized Plasma-Wall Interaction	380
NEVADA, UNIVERSITY OF Reno, NV	DE-FG02-08ER54951 12/14/2013 Safronova	SC-24.2	Theoretical Study of Radiation for Tungsten Ions for Magnetic Fusion Diagnostics	150
NEVADA, UNIVERSITY OF Reno, NV	DE-FG02-10ER41647 05/31/2012 Murphy	SC-25	Single Crystal Niobium Tubes for Particle Colliders Accelerator Cavities	200
NEVADA, UNIVERSITY OF Reno, NV	DE-FG02-09ER46670 03/14/2013 Li	SC-22.22	Micro-Mechanisms and Multi-Scale Modeling of Cyclic Plastic Deformation of Magnesium Single Crystals	280
NEVADA, UNIVERSITY OF Reno, NV	DE-FG02-05ER15645 12/31/2012 Ervin	SC-22.11	Hydrocarbon Radical Thermochemistry: Gas-Phase Ion Chemistry Studies	141
NEVADA, UNIVERSITY OF Reno, NV	DE-FG02-04ER15626 08/31/2012 Harper	SC-22.13	P-type ATPases in Plants- Role of Lipid Flippases in Membrane Biogenesis	140
GHER ED OBO DESERT RES INST-LV Las Vegas, NV	DE-FG02-10ER64965 06/14/2013 Moser	SC-23.1	Radiochemically-Supported Microbial Communities: A Potential Mechanism for Biocolloid Production of Importance to Actinide Transport	370
ER ED OBO DESERT RES INST-RENO Reno, NV	DE-FG02-09ER64851 08/14/2012 Koracin	SC-23.1	North Pacific Mesoscale Coupled Air-Ocean Simulations Compared with Observations	0
ER ED OBO DESERT RES INST-RENO Reno, NV	DE-FG02-06ER64201 03/14/2012 Mitchell	SC-23.1	Improving the Representation of Ice Sedimentation Rates in Global Climate Models	170
Total for NV :				2,072

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ALFRED UNIVERSITY Alfred, NY	DE-FG02-10ER16128 03/14/2013 Bowers	SC-22.12	Computational and Experimental Investigations of the Molecular Scale Structure and Dynamics of Geologically	78
N NATIONAL STANDARDS INSTITUTE New York, NY	DE-FG02-09ER46566 08/14/2013 Benko	SC-22.22	Nanotechnology Standardization Activities - Support of U.S. Representation on ISO/TC 229 Nanotechnologies	10
BARNARD COLLEGE New York, NY	DE-FG02-11ER65370 09/14/2013 Mailloux	SC-23.1	Linking As, Se, V, and Mn Behavior to Natural and Biostimulated Uranium Cycling	150
THOMPSON INST. FOR PLANT RES. Ithaca, NY	DE-FG02-08ER64628 07/31/2013 Harrison	SC-23.1	Identification of Genes That Regulate Phosphate Acquisition and Plant Performance During Arbuscular Mycorrhizal Symbiosis in Medicago Truncatula and	0
THOMPSON INST. FOR PLANT RES. Ithaca, NY	DE-FG02-90ER20015 08/31/2013 Stern	SC-22.13	Function and Regulation of Chloroplast-Encoded Antisense RNAs	151
CLARKSON UNIVERSITY Potsdam, NY	DE-FG02-11ER16272 11/30/2014 Issen	SC-22.12	Non-Darcian Flow, Imaging, and Coupled Constitutive Behavior of Heterogeneous Deforming Porous Media	97
COLUMBIA UNIVERSITY New York, NY	DE-FG02-92ER40699 11/30/2013 Christ, Weinberg	SC-25	Theoretical High Energy Physics	1,771
COLUMBIA UNIVERSITY New York, NY	DE-FG02-93ER40764 12/14/2013 Gyulassy	SC-26.1	Theory of Ultra-Dense Matter and the Dynamics of High Energy Interactions Involving Nuclei	295
COLUMBIA UNIVERSITY New York, NY	DE-FC02-06ER25783 08/14/2012 Keyes	SC-21.1	Towards Optimal Petascale Simulations (TOFS)	0
COLUMBIA UNIVERSITY New York, NY	DE-FG02-08ER25856 08/14/2012 Goldfarb	SC-21.1	Algorithms for Mathematical Programming with Emphasis on Bi-Level Models	0
COLUMBIA UNIVERSITY New York, NY	DE-FG02-09ER25919 08/31/2012 Gelman	SC-21.1	Petascale Hierarchical Modeling via Parallel Execution	283
COLUMBIA UNIVERSITY New York, NY	DE-FG02-09ER25915 09/14/2012 Waisman	SC-21.1	Modeling the Fracture of Ice Sheets on Parallel Computers	238
COLUMBIA UNIVERSITY New York, NY	DE-FC02-10ER25990 08/31/2013 Bergman	SC-21.1	Data Movement Dominates: Advanced Memory Technology to Address the Real Exascale Power Problem	400
COLUMBIA UNIVERSITY New York, NY	DE-FG02-86ER40281 11/14/2013 Zajc	SC-26.1	Jet and Heavy Flavor Probes of the Quark-Gluon Plasma	731
COLUMBIA UNIVERSITY New York, NY	DE-FG02-11ER16224 06/30/2014 Brus	SC-22.13	Graphene Charge Transfer and Chemical Reactions	224

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COLUMBIA UNIVERSITY New York, NY	DE-FG02-09ER16064 08/14/2012 McDermott	SC-22.13	Studies of Structure and Dynamics of Light Harvesting Complex 1 of R. Sphaeroides by Solid State NMR	240
COLUMBIA UNIVERSITY New York, NY	DE-FG02-93ER14339 07/31/2012 Parkin	SC-22.12	Fundamental Studies of Metal Centered Transformations Relevant to Catalysis	155
COLUMBIA UNIVERSITY New York, NY	DE-FG02-97ER14807 05/31/2013 Norton	SC-22.12	Catalytic Applications of H Atom Transfer from Transition-Metal Hydride Complexes	155
COLUMBIA UNIVERSITY New York, NY	DE-FG02-01ER15264 01/31/2014 Nuckolls, Brus	SC-22.12	Catalytic Growth of Molecular-Scale Wiring.	170
COLUMBIA UNIVERSITY New York, NY	DE-FG02-90ER14162 04/30/2012 Friesner	SC-22.13	Theoretical Studies of Photoactive Molecular Systems: Electron Transfer, Energy Transport, and Optical Spectroscopy	180
COLUMBIA UNIVERSITY New York, NY	DE-FG02-91ER14226 01/31/2013 Eisenthal	SC-22.11	Photochemistry at Interfaces	152
COLUMBIA UNIVERSITY New York, NY	DE-FG02-90ER14104 05/31/2014 Osgood	SC-22.11	Laser Dynamics Studies of Photoreactions on Single-Crystal and Nanostructured Surfaces	120
COLUMBIA UNIVERSITY New York, NY	DE-FG02-88ER13937 06/30/2012 Flynn	SC-22.11	Scanning Tunneling Microscopy Studies of Chemical Reactions on Surfaces	160
COLUMBIA UNIVERSITY New York, NY	DE-FG02-09ER64809 07/14/2012 Hall, Smilenov	SC-23.2	Genetic Control of the Trigger for the G2/M Checkpoint	433
COLUMBIA UNIVERSITY New York, NY	DE-FG02-07ER64334 07/31/2012 Kleiman	SC-23.2	Low Dose Radiation Cataract	0
COLUMBIA UNIVERSITY New York, NY	DE-FG02-00ER54585 08/14/2012 Mauel	SC-24.2	Nonlinear Dynamics of Strong Interchange Instabilities in a Rotating Dipole-Confined Plasma	105
COLUMBIA UNIVERSITY New York, NY	DE-FG02-04ER54761 08/14/2013 Navratil	SC-24.2	MHD Mode Control Research in DIII-D	384
COLUMBIA UNIVERSITY New York, NY	DE-FG02-11ER46829 07/31/2014 Millis	SC-22.22	CMCSN: Many Body Methods from Chemistry to Physics: Novel Computational Techniques for Materials-Specific Modelling a Computational Materials and Chemical ...	320
COLUMBIA UNIVERSITY New York, NY	DE-FG02-11ER46805 07/14/2016 Owen	SC-22.23	Measuring the Importance of Valence to Chemistry of Nanocrystal Surfaces	150
COLUMBIA UNIVERSITY New York, NY	DE-FG02-11ER46811 08/31/2014 Kumar	SC-22.23	Optimizing Immobilized Enzyme Performance in Cell-Free Environments to Produce Liquid Fuels	120

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COLUMBIA UNIVERSITY New York, NY	DE-FG02-86ER53222 11/30/2013 Navratil	SC-24.2	High Beta Tokamak Research	1,100
COLUMBIA UNIVERSITY New York, NY	DE-FG02-99ER54524 03/14/2014 Sabbagh	SC-24.2	Study of MHD Stability and Active Mode Control in NSTX	554
COLUMBIA UNIVERSITY New York, NY	DE-FG02-95ER54333 01/31/2013 Boozer	SC-24.2	Stellarator Theory	79
COLUMBIA UNIVERSITY New York, NY	DE-FG02-03ER54696 02/14/2012 Boozer	SC-24.2	Resistive Wall Modes and Error Field Amplification	100
COLUMBIA UNIVERSITY New York, NY	DE-FG02-98ER54464 01/14/2012 Sen	SC-24.2	Basic Physics of Tokamak Transport and Feedback Control	162
COLUMBIA UNIVERSITY New York, NY	DE-FG02-98ER54459 10/31/2012 Mauel	SC-24.2	Levitated Dipole Experiment	123
COLUMBIA UNIVERSITY New York, NY	DE-FC02-06ER54862 01/14/2012 Keyes	SC-24.2	Center for Plasma Edge Simulation	120
COLUMBIA UNIVERSITY New York, NY	DE-FC02-06ER54863 01/14/2012 Keyes	SC-24.2	Center for Simulation of Wave Interactions with Magnetohydrodynamics	55
COLUMBIA UNIVERSITY New York, NY	DE-FG02-11ER41743 07/14/2016 Nicolis	SC-25	Quantum Field Theories for Cosmology	150
COLUMBIA UNIVERSITY New York, NY	DE-FG02-04ER46157 07/14/2012 Osgood	SC-22.22	Mapping the Electron Response of Nanomaterials	205
COLUMBIA UNIVERSITY New York, NY	DE-FG02-05ER46215 07/14/2014 Kim	SC-22.22	Investigation of the Electron Interactions in Graphene	175
COLUMBIA UNIVERSITY New York, NY	DE-FG02-04ER46169 08/31/2013 Millis	SC-22.22	Theory of Surface and Interface Physics of Correlated Electron Materials	150
COLUMBIA UNIVERSITY New York, NY	DE-FG02-11ER65274 08/31/2014 Robertson	SC-23.1	Collaborative Research: Decadal Prediction and Stochastic Simulation of Hydroclimate Over Monsoonal Asia	355
COLUMBIA UNIVERSITY New York, NY	DE-FG02-11ER65291 09/14/2014 Tselioudis	SC-23.1	Advancing Cloud Lifecycle Representation in Numerical Models Using Innovative Analysis Method that Bridge ARM Observation Over a Breadth of Scales	156
COLUMBIA UNIVERSITY New York, NY	DE-FG02-11ER65337 09/14/2014 Perez Garcia-Pando	SC-23.1	Improving the Representation of Soluble Iron in Climate Models	145

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COLUMBIA UNIVERSITY New York, NY	DE-FG02-09ER64898 09/14/2014 Bauer	SC-23.1	Continuous Evaluation of Fast Processes in Climate Models Using ARM Measurements	242
CORNELL UNIVERSITY Ithaca, NY	DE-FG02-09ER41628 08/14/2012 Hoffstaetter	SC-25	Fundamental Research in Superconducting RF Cavity Design	412
CORNELL UNIVERSITY Ithaca, NY	DE-FG02-10ER26025 08/31/2013 Zabaras	SC-21.1	Modeling and Simulation of High Dimensional Stochastic Multiscale PDE Systems at the Exascale	139
CORNELL UNIVERSITY Ithaca, NY	DE-FG02-93ER25164 02/28/2012 Guckenheimer	SC-21.1	Computational Analysis of Dynamical Systems	0
CORNELL UNIVERSITY Ithaca, NY	DE-FG02-10ER16199 08/31/2013 Chen	SC-22.12	Chemical Imaging of Single Metal Nanoparticle Catalysis	160
CORNELL UNIVERSITY Ithaca, NY	DE-FG02-11ER16210 01/31/2014 Elser	SC-22.11	Algorithms for X-Ray Imaging of Single Particles	150
CORNELL UNIVERSITY Ithaca, NY	DE-FG02-11ER16257 08/31/2014 Umrigar	SC-22.11	Quantum Chemistry via Walks in Determinant Space	282
CORNELL UNIVERSITY Ithaca, NY	DE-FG02-09ER16070 08/14/2012 Hanson	SC-22.13	Chloroplast Dynamics and Photosynthetic Efficiency	160
CORNELL UNIVERSITY Ithaca, NY	DE-FG02-05ER15687 08/14/2014 Coates	SC-22.12	Development and Application of New Catalysts for Heterocycle Carbonylation	190
CORNELL UNIVERSITY Ithaca, NY	DE-FG02-00ER15095 12/31/2013 Davis	SC-22.11	Bimolecular Dynamics of Combustion Reactions	150
CORNELL UNIVERSITY Ithaca, NY	DE-FG02-01ER15180 04/30/2012 Cool	SC-22.11	Studies of Flame Chemistry with Sampling Photoionization Mass Spectrometry	109
CORNELL UNIVERSITY Ithaca, NY	DE-FG02-90ER14128 06/14/2012 Pope	SC-22.11	Investigation of Non-Premixed Turbulent Combustion	146
CORNELL UNIVERSITY Ithaca, NY	DE-FG02-08ER46517 05/31/2014 Liddell	SC-22.23	Self-Assembly of Non-Spherical Colloids: New Reduced Symmetry Crystals and Mesophases for Templating Functional Materials at Fine Scales	200
CORNELL UNIVERSITY Ithaca, NY	DE-FG02-07ER46432 08/31/2013 Chan	SC-22.22	Bridging the Quantum-Chemistry Solid-State Divide: Theory and Application to Molecular Crystals	285
CORNELL UNIVERSITY Ithaca, NY	DE-FG02-07ER46440 08/31/2013 van Dover	SC-22.22	Complex Amorphous and Crystalline Thin Film Dielectrics	190

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CORNELL UNIVERSITY Ithaca, NY	DE-FG02-10ER46758 08/14/2013 Miller	SC-22.22	Understanding Microplasticity Processes Related to Fatigue Damage Using High Energy X-Rays and a Crystal-Based Modeling	250
CORNELL UNIVERSITY Ithaca, NY	DE-FG02-11ER46791 05/31/2012 Brock	SC-22.3	Workshops on Science Enabled by a Coherent, CW, Synchrotron X-Ray Source, June 2011	100
CORNELL UNIVERSITY Ithaca, NY	DE-FG02-10ER46693 04/30/2013 Gruner	SC-22.3	Versatile, Reprogrammable Area Pixel Array Detector for Time-Resolved Synchrotron X-ray Applications	700
CORNELL UNIVERSITY Ithaca, NY	DE-FG02-09ER46654 09/14/2012 Schlom	SC-22.23	SISGR - Using Interfaces To Create Strongly-Coupled Magnetic-Ferroelectrics	700
CORNELL UNIVERSITY Ithaca, NY	DE-FG02-11ER41728 02/29/2012 Talman	SC-26.2	Simulation and Optimization of the Spin Coherence Time for the Proton Electric Dipole Moment Measurement	45
CORNELL UNIVERSITY Ithaca, NY	DE-FG02-11ER41717 07/14/2014 Rubin	SC-25	Damping Ring R&D at CESR TA	1,200
CORNELL UNIVERSITY Ithaca, NY	DE-FG02-87ER45298 12/31/2013 DiSalvo	SC-22.23	Synthesis, Characterization and Properties of Nanoparticles of Intermetallic Compounds	270
CORNELL UNIVERSITY Ithaca, NY	DE-FG02-89ER45405 04/30/2012 Henley	SC-22.22	Quasi-crystals and Quasi-equivalence: Symmetries and Energies in Alloys and Biological Materials	125
CORNELL UNIVERSITY Ithaca, NY	DE-FG02-07ER46393 04/14/2013 Sethna	SC-22.22	Deformed Materials: Towards a Theory of Materials Morphology Dynamics	250
CORNELL UNIVERSITY Ithaca, NY	DE-FG02-09ER55031 08/14/2012 Hammer	SC-24.2	Spectroscopic Determination of the Magnetic Fields in Exploding Wire and X Pinch Plasmas	187
CORNELL UNIVERSITY Ithaca, NY	DE-FG02-09ER55048 08/14/2012 Greenly	SC-24.2	Experimental and Computational Studies of High Energy Density Plasma Streams Ablated from Fine Wires	200
CORNELL UNIVERSITY Ithaca, NY	DE-FG02-11ER46821 08/31/2014 Wise	SC-22.22	Charge Transfer Across the Boundary of Photon-Harvesting Nanocrystals	655
CORNELL UNIVERSITY Ithaca, NY	DE-FG02-11ER65341 09/14/2014 Mahowald	SC-23.1	Collaborative Project: Building Improved Optimized Parameter Estimation Algorithms to Improve Methane and Nitrogen Fluxes in	337
CORNELL UNIVERSITY Ithaca, NY	DE-FG02-10ER64988 06/14/2013 Buckley	SC-23.2	Microbial Food Web Mapping: Linking Carbon Cycling and Community Structure in Soils Through Pyrosequencing Enabled Stable Isotope Probing	301
CORNELL UNIVERSITY Ithaca, NY	DE-FG02-11ER65336 09/14/2014 Mahowald	SC-23.1	Collaborative Project: Improving the Representation of Soluble Iron in Climate Models	89

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CORNELL UNIVERSITY Ithaca, NY	DE-FG02-11ER65255 08/31/2014 Rose	SC-23.2	Defining Determinants and Dynamics of Cellulose Microfibril Biosynthesis, Assembly and Degradation	675
CORNELL UNIVERSITY Ithaca, NY	DE-FG02-11ER65256 08/31/2014 Richardson	SC-23.2	Improved Understanding of Microbial Iron and Sulfate Reduction Through a Combination of Bottom-Up and Top-Down	382
GENERAL ELECTRIC COMPANY Niskayuna, NY	DE-FG02-09ER46575 07/31/2014 Soloveichik	SC-22.11	Center for Electrocatalysis, Transport Phenomena and Materials for Innovative Energy Storage -- EFRC	2,499
HEALTH RESEARCH, INC. Menands, NY	DE-FG02-09ER64756 05/14/2012 Newberg	SC-23.2	Bayesian Computational Approaches for Gene Regulation Studies of Bioethanol and Biohydrogen Production	69
IBM TJ WATSON RESEARCH CENTER Yorktown Heights, NY	DE-FC02-10ER25996 08/31/2013 Van Hensbergen	SC-21.1	A Fault-Oblivious Extreme-Scale Execution Environment	89
IBM TJ WATSON RESEARCH CENTER Yorktown Heights, NY	DE-FG02-09ER25941 09/14/2012 Moreira	SC-21.1	HPC Colony II	164
KITWARE, INC. Clifton Park, NY	DE-FC02-10ER26038 08/31/2013 Geveci	SC-21.1	A Pervasive Parallel Processing Framework for Data Visualization and Analysis at Extreme Scale	300
ODDARD INST. FOR SPACE STUDIES New York, NY	DE-AI02-09ER64739 04/30/2012 Del Genio	SC-23.1	Evaluation and Improvement of Cloud and Convective Parameterizations from Analyses of ARM Observations and Models	211
NEW YORK UNIVERSITY New York, NY	DE-FG02-86ER53223 12/31/2012 Weitzner, Chang	SC-24.2	Plasma Properties (Task III)	425
NEW YORK UNIVERSITY New York, NY	DE-FG02-08ER64654 10/31/2012 Barcellos-Hoff	SC-23.2	Integrative Radiation Biology	871
NEW YORK UNIVERSITY New York, NY	DE-FG02-03ER46099 02/28/2013 Evans	SC-22.23	Material Lessons of Biology: Structure-Function Studies of Protein Sequences Involved in Inorganic-Organic Composite Material Formation	250
NEW YORK UNIVERSITY New York, NY	DE-FG02-92ER20071 05/31/2014 Coruzzi	SC-22.13	Asparagine Synthetase Gene Regulatory Network and Plant Nitrogen Metabolism	170
NEW YORK UNIVERSITY New York, NY	DE-FG02-06ER25718 12/14/2012 Widlund	SC-21.1	Domain Decomposition and Parallel Computing	132
NEW YORK UNIVERSITY New York, NY	DE-FG02-88ER25053 04/30/2014 Berger, Greengard	SC-21.1	Applied Analysis and Computational Mathematics	1,350
NEW YORK UNIVERSITY New York, NY	DE-FG02-09ER25924 09/14/2012 Vanden-Eijnden	SC-21.1	Stochastic Nonlinear Data-Reduction Methods with Detection and Prediction of Critical Rare Events	118

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NIVERSITY, POLYTECHNIC INST OF Brooklyn, NY	DE-FG02-11ER65215 08/31/2014 Silva	SC-23.1	Ultra-Scale Visualization Climate Data Analysis Tools (UV-CDAT)	720
NIVERSITY, POLYTECHNIC INST OF Brooklyn, NY	DE-FC02-10ER26019 08/31/2013 Chiang	SC-21.1	An Informational-theoretic Framework for Enabling Extreme-scale Science Discovery	100
ORK, CITY U. OF BARUCH COLLEGE New York, NY	DE-FG02-09ER41620 06/30/2012 Jalilian-Marian	SC-26.1	High-Energy QCD in Heavy-Ion Collisions	95
ORK, CITY U. OF BARUCH COLLEGE New York, NY	DE-FG02-11ER41767 08/31/2013 Bathe	SC-26.1	Understanding Energy Loss of Hard Partons in the Quark-Gluon Plasma	81
NEW YORK, CITY U. OF CITY COLL New York, NY	DE-FG02-06ER15817 08/14/2012 Koplik	SC-22.12	Particulate Transport and Sedimentation in Fracture Systems	96
NEW YORK, CITY U. OF CITY COLL New York, NY	DE-FG02-09ER16075 08/31/2012 Gunner	SC-22.13	Studies of Photosynthetic Reaction Centers and Biomimetic Systems	165
NEW YORK, CITY U. OF CITY COLL New York, NY	DE-FG02-03ER15458 04/30/2013 Makse	SC-22.12	Studies of Elasticity, Sound Propagation and Attenuation of Acoustic Modes in Granular Media	122
NEW YORK, CITY U. OF CITY COLL New York, NY	DE-FG02-84ER45153 08/31/2012 Sarachik	SC-22.22	Thermal Conductivity and Thermopower Near the 2D Metal-Insulator Transition	25
NEW YORK, CITY U. OF CITY COLL New York, NY	DE-FG02-10ER46678 12/31/2012 Tamargo	SC-22.23	Synthesis & Engineering of Submonolayer Type-II Quantum Dots to Enhance Material Properties of Wide Bandgap Semiconductors	200
NEW YORK, CITY U. OF HUNTER C. New York, NY	DE-FG02-10ER46777 08/31/2013 Greenbaum	SC-22.23	Spectroscopic Studies of Materials for Electrochemical Energy Storage	180
NEW YORK, CITY U. OF HUNTER C. New York, NY	DE-FG02-01ER45935 01/14/2014 Matsui	SC-22.23	Programmed Nanomaterial Assemblies in Large-Scale Structures: Applications of Synthetic and Genetically Engineered	230
NEW YORK, CITY U. OF HUNTER C. New York, NY	DE-FG02-02ER15287 10/31/2014 Alexandratos	SC-22.12	Polymer-Supported Complexants: Metal Ion Selectivity and the Variables of Rational Design	145
NEW YORK, CITY U. OF HUNTER C. New York, NY	DE-FG02-09ER16097 09/14/2012 Francesconi	SC-22.12	SISGR - Fundamental Chemistry of Technetium-99 Incorporated Into Metal Oxide, Phosphate and Sulfide Materials:	400
ORK, CITY U. OF LEHMAN COLLEGE Bronx, NY	DE-FG02-93ER45487 04/14/2014 Chudnovsky	SC-22.22	Dynamics of the Magnetic Flux in Superconductors	80
RK, CITY U. OF, QUEENS COLLEGE Flushing, NY	DE-FG02-09ER16047 08/31/2012 Jang	SC-22.11	Computational Modeling and Theory Development of Energy and Charge Flow Dynamics in Photosynthetic Units and	82

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TY UNIVERSITY OF STATEN ISLAND Staten Island, NY	DE-FG02-09ER25907 08/31/2012 Teddall	SC-21.1	Analysis of Self-Similar Solutions of Multidimensional Conservation Laws	38
NEW YORK, STATE U. OF ALBANY Albany, NY	DE-FG02-07ER41502 08/31/2013 Ernst	SC-25	New Ideas for the ATLAS Experiment	125
NEW YORK, STATE U. OF ALBANY Albany, NY	DE-FG02-03ER63531 12/14/2012 Min	SC-23.1	Retrievals of Cloud Optical Properties and Photon Path Length Distributions Using Existing ARM Data Streams	188
NEW YORK, STATE U. OF ALBANY Albany, NY	DE-FG02-92ER61369 01/31/2013 Wang	SC-23.1	Study of Regional Climate Change	388
NEW YORK, STATE U. OF ALBANY Albany, NY	DE-FG02-09ER64849 08/14/2012 Yu	SC-23.1	Coupling an Advanced Particle Microphysics Model with WRF-Chem and Improving Aerosol-Climate Interaction Simulations at Regional Scales	0
NEW YORK, STATE U. OF BINGHTN Binghamton, NY	DE-FG02-09ER46600 05/14/2012 Zhou	SC-22.23	In Situ Visualization and Theoretical Modeling of Early Stages of Oxidation of Metals and Alloys	150
NEW YORK, STATE U. OF BUFFALO Buffalo, NY	DE-FG02-90ER14143 10/14/2012 Bright	SC-22.12	Interfacial Solvation Under Aggressive Conditions	0
NEW YORK, STATE U. OF BUFFALO Buffalo, NY	DE-FG02-02ER15372 11/14/2012 Coppens	SC-22.13	Ground and Excited State Structures of Sensitizer Dyes Adsorbed on Semiconductor Nanoparticles	230
NEW YORK, STATE U. OF BUFFALO Buffalo, NY	DE-FG02-09ER16066 08/14/2012 Autschbach	SC-22.12	Computational Studies of NMR Chemical Shifts in Open-Shell Actinide and Lanthanide Systems	140
NEW YORK, STATE U. OF BUFFALO Buffalo, NY	DE-FG02-10ER46781 09/14/2013 Zutic	SC-22.22	Tailoring Magnetism and Spin in Quantum Dots	140
NEW YORK, STATE U. OF BUFFALO Buffalo, NY	DE-FG02-09ER46660 09/14/2012 Takeuchi	SC-22.23	SISGR: Bimetallic Electrochemical Displacement Materials Yielding High Energy, High Power, and Improved Reversibility	200
NEW YORK, STATE U. OF BUFFALO Buffalo, NY	DE-FG02-04ER46180 09/14/2013 Bird	SC-22.22	Quantum Coherence and its Manipulation in Coupled Quantum Dots	147
NEW YORK, STATE U. OF DELHI Delhi, NY	DE-FG02-06ER64288 03/14/2012 Volk, Smith	SC-23.2	Center of Excellence in Watershed Applications and Technology-enhanced Economic Revitalization - Willow and Forest Biomass Project	0
NEW YORK, STATE U. OF ST BROOK Stony Brook, NY	DE-FG02-09ER64747 05/14/2012 Lindquist	SC-23.1	Effects of Pore Structure Change and Multi-Scale Heterogeneity on Contaminant Transport and Reaction Rate Upscaling	137
NEW YORK, STATE U. OF ST BROOK Stony Brook, NY	DE-FG02-11ER65290 09/14/2014 Zhang	SC-23.1	Development of Integrated ASR Model Forcing Data and Their Applications to Improve CAM	358

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NEW YORK, STATE U. OF ST BROOK Stony Brook, NY	DE-FG02-98ER62570 02/29/2012 Zhang	SC-23.1	Development of Integrated ARM Datasets and Their Application to Improve Climate Models	0
NEW YORK, STATE U. OF ST BROOK Stony Brook, NY	DE-FG02-07ER64444 07/31/2012 Zhang	SC-23.1	Improved Atmosphere-Ocean Coupled Modeling in the Tropics for Climate Prediction	0
NEW YORK, STATE U. OF ST BROOK Stony Brook, NY	DE-FG02-09ER64900 09/14/2014 Zhang	SC-23.1	Continuous Evaluation of Fast Processes in Climate Models Using ARM Measurements	186
NEW YORK, STATE U. OF ST BROOK Stony Brook, NY	DE-FG02-96ER40988 03/31/2014 Jacak, Drees, Hemmick	SC-26.1	Studies of Relativistic Heavy Ion Collisions at RHIC	976
NEW YORK, STATE U. OF ST BROOK Stony Brook, NY	DE-FG02-10ER55036 06/30/2012 Samulyak	SC-24.2	Study of Plasma Liner Driven Magnetized Target Fusion via Advanced Simulations	72
NEW YORK, STATE U. OF ST BROOK Stony Brook, NY	DE-FG02-11ER41723 11/30/2011 Kharzeev	SC-26.1	The Physics of Hot and Dense Quark-Gluon Matter	90
NEW YORK, STATE U. OF ST BROOK Stony Brook, NY	DE-FG02-11ER41732 03/14/2012 Litvinenko	SC-25	2011 Particle Accelerator Conference, March 27-April 1, 2011	20
NEW YORK, STATE U. OF ST BROOK Stony Brook, NY	DE-FG02-11ER46784 12/31/2013 Ben-Zvi	SC-22.3	Photocathodes for High Repetition Rate Light Sources	333
NEW YORK, STATE U. OF ST BROOK Stony Brook, NY	DE-FG02-09ER46650 09/14/2012 Parise	SC-22.21	SISGR - Fundamental Studies of the Structural Response of Disordered Materials to High P and T	164
NEW YORK, STATE U. OF ST BROOK Stony Brook, NY	DE-FG02-08ER46550 02/29/2012 Allen	SC-22.22	Quantum Theory of Semiconductor Photo-Catalysis and Solar Water Splitting	0
NEW YORK, STATE U. OF ST BROOK Stony Brook, NY	DE-FG02-07ER41488 04/30/2012 Shkolnikov	SC-25	High Brightness Picosecond Ion Beam Source Based on Brookhaven National Lab Ultrafast Terawatt CO2 Laser: Proof-of-Principle	0
NEW YORK, STATE U. OF ST BROOK Stony Brook, NY	DE-FG02-06ER41448 11/30/2013 Zingale	SC-26.1	Multidimensional Modeling of Astrophysical Thermonuclear Explosions	93
NEW YORK, STATE U. OF ST BROOK Stony Brook, NY	DE-FG02-05ER41372 12/31/2013 Deshpande	SC-26.1	Studies of Polarized Proton Collisions at RHIC	310
NEW YORK, STATE U. OF ST BROOK Stony Brook, NY	DE-FG02-08ER41547 07/14/2012 Ben-Zvi	SC-25	Study of Electron Transport and Amplification in Diamond	123
NEW YORK, STATE U. OF ST BROOK Stony Brook, NY	DE-FG02-08ER41540 11/30/2012 Teaney	SC-26.1	Transport Processes in Non-Abelian Gauge Theories	98

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NEW YORK, STATE U. OF ST BROOK Stony Brook, NY	DE-FG02-09ER41626 09/14/2012 Ben-Zvi	SC-25	R&D on Very-High-Current Superconducting Proton Linac	285
NEW YORK, STATE U. OF ST BROOK Stony Brook, NY	DE-FG02-87ER40331 03/31/2014 Lacey	SC-26.1	Nuclear Reaction Studies	444
NEW YORK, STATE U. OF ST BROOK Stony Brook, NY	DE-FG02-87ER40317 11/30/2013 Lattimer	SC-26.1	Research in Nuclear Astrophysics: Supernovae and Neutron Stars	221
NEW YORK, STATE U. OF ST BROOK Stony Brook, NY	DE-FG02-88ER40388 11/30/2014 Shuryak	SC-26.1	Research in Theoretical Nuclear Physics	790
NEW YORK, STATE U. OF ST BROOK Stony Brook, NY	DE-FG02-92ER40697 11/14/2012 Jung, Rijssenbeek, Hobbs	SC-25	Nucleon Decay and Neutrino Experiments and Experiments at High Energy Hadron Colliders	1,187
NEW YORK, STATE U. OF ST BROOK Stony Brook, NY	DE-FG02-10ER16159 05/31/2013 Wong	SC-22.12	Changes of Porosity, Permeability and Mechanical Strength Induced by Carbon Dioxide Sequestration	210
NEW YORK, STATE U. OF ST BROOK Stony Brook, NY	DE-FG02-08ER15984 02/14/2014 Weinacht	SC-22.11	Combining High Level Ab Initio Molecular Structure Calculations with Laser Control of Molecular Dynamics	120
NEW YORK, STATE U. OF ST BROOK Stony Brook, NY	DE-FG02-09ER16017 05/31/2012 Reeder	SC-22.12	Structural Basis for Stabilization and Transformation Behavior of Amorphous Calcium Carbonate	168
NEW YORK, STATE U. OF ST BROOK Stony Brook, NY	DE-FG02-09ER16033 07/31/2014 Whittingham	SC-22.22	Northeastern Chemical Energy Storage Center (NOCESC) -- EFRS	2,621
NEW YORK, STATE U. OF ST BROOK Stony Brook, NY	DE-FG02-09ER16052 08/31/2012 Fernandez-Serra	SC-22.11	Optimizing Interfacial Charge Transfer in Photocatalytic Water Splitting Devices	49
NEW YORK, STATE U. OF ST BROOK Stony Brook, NY	DE-FC02-06ER25770 06/14/2012 Li	SC-21.1	Interoperable Technologies for Advanced Petascale Simulations (ITAPS)	145
NEW YORK, STATE U. OF ST BROOK Stony Brook, NY	DE-FG02-11ER16266 08/31/2014 Khalifah	SC-22.13	Next-Generation Semiconductors for Solar Photoelectrolysis	140
NEW YORK, STATE U. OF ST BROOK Stony Brook, NY	DE-FG02-96ER14633 06/30/2012 Schoonen	SC-22.12	Reactivity of Iron Bearing Minerals and CO2 Sequestration: A Multi-Disciplinary and Experimental Approach	78
NEW YORK, STATE U. OF SYRACUSE Syracuse, NY	DE-FG02-09ER16101 12/14/2013 Dibble	SC-22.11	SISGR: Dynamics of Radical Reactions in Biodiesel Combustion	87
RENSSELAER POLYTECHNIC INST. Troy, NY	DE-FG02-09ER46593 05/31/2013 Kane	SC-22.23	Engineering the Interface Between Inorganic Materials and Cells	175

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands)
				FY 2011
RENSSELAER POLYTECHNIC INST. Troy, NY	DE-FG02-09ER46608 08/31/2012 Zhang	SC-22.22	TMS: Defect Modeling Beyond the Density Functional Theory	600
RENSSELAER POLYTECHNIC INST. Troy, NY	DE-FG02-06ER46347 09/14/2012 Lin	SC-22.22	Architectural Photonics for Maximizing Solar Energy Conversion	250
RENSSELAER POLYTECHNIC INST. Troy, NY	DE-FC02-11ER55105 08/31/2016 Shephard	SC-24.2	Center for Extended Magnetohydrodynamic Modeling	45
RENSSELAER POLYTECHNIC INST. Troy, NY	DE-FG02-11ER46812 08/31/2014 Belfort	SC-22.23	Optimizing Immobilized Enzyme Performance in Cell-free Environments to Produce Liquid Fuels	145
RENSSELAER POLYTECHNIC INST. Troy, NY	DE-FC02-06ER25769 12/14/2012 Shephard	SC-21.1	Interoperable Technologies for Advanced Petascale Simulations	500
RENSSELAER POLYTECHNIC INST. Troy, NY	DE-FC02-10ER25989 08/31/2013 Carothers	SC-21.1	Enabling Co-design of Multi-layer Exascale Storage Architectures	144
RENSSELAER POLYTECHNIC INST. Troy, NY	DE-FC02-11ER26060 08/31/2016 Shephard	SC-21.1	Frameworks, Algorithms, and Scalable Technologies for Mathematics (FASTMath) SciDAC Institute	500
RENSSELAER POLYTECHNIC INST. Troy, NY	DE-FG02-08ER41575 08/31/2014 Napolitano	SC-25	Searching for Theta ₁₃ at Daya Bay	286
RENSSELAER POLYTECHNIC INST. Troy, NY	DE-FG02-07ER15903 08/31/2013 Lakshmi	SC-22.13	Elucidating the Principles that Control Proton-Coupled Electron Transfer Reactions in the Photosynthetic Protein, Photosystem	160
RENSSELAER POLYTECHNIC INST. Troy, NY	DE-FG02-09ER16005 07/31/2012 Belfort	SC-22.12	Combinatorial and High Throughput Membrane Synthesis and Testing: Tailoring Membrane Surfaces to Applications	292
RENSSELAER POLYTECHNIC INST. Troy, NY	DE-FG02-94ER14432 10/31/2014 Watson	SC-22.12	The Role of Water in Grain Boundary Diffusion	0
ROCHESTER, UNIVERSITY OF Rochester, NY	DE-FG02-93ER54215 11/30/2012 Betti	SC-24.2	Magnetohydrodynamics of Tokamak Plasma with Arbitrary Flow: Equilibrium, Stability and Nonlinear Evolution	97
ROCHESTER, UNIVERSITY OF Rochester, NY	DE-FG02-09ER55033 08/14/2012 Frank	SC-24.2	The Dynamics of Magnetized Astrophysical Jets Through Pulsed Power HEDP Laboratory Studies	574
ROCHESTER, UNIVERSITY OF Rochester, NY	DE-FC02-04ER54789 07/31/2014 Betti	SC-24.2	Fusion Science Center for Extreme States of Matter and Fast Ignition Physics	1,610
ROCHESTER, UNIVERSITY OF Rochester, NY	DE-FG02-05ER54839 05/31/2012 Theobald	SC-24.2	Advanced Concept Exploration of Fast Ignition	416

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2011
ROCHESTER, UNIVERSITY OF Rochester, NY	DE-FG02-04ER54768 05/31/2012 Betti	SC-24.2	Laser Driven Magnetic-Flux Compression: Advanced Ignition and Applications to Basic Science	197
ROCHESTER, UNIVERSITY OF Rochester, NY	DE-FG02-06ER46298 04/30/2012 Teitel	SC-22.22	Critical Phenomena in Driven Granular Matter: Jamming and Glassy Behavior	115
ROCHESTER, UNIVERSITY OF Rochester, NY	DE-FG02-05ER46207 05/14/2014 Novotny	SC-22.22	Optical Spectroscopy of Defects and Dopants in Nanocarbon Materials	155
ROCHESTER, UNIVERSITY OF Rochester, NY	DE-FG02-11ER41736 07/14/2016 Garcia-Bellido	SC-25	Precision Physics and Searches with Top and Bottom Quarks	150
ROCHESTER, UNIVERSITY OF Rochester, NY	DE-FG02-11ER41751 08/14/2014 Wolfs	SC-25	Pushing the Dark Matter Limit: Triggering LUX	117
ROCHESTER, UNIVERSITY OF Rochester, NY	DE-FG02-09ER16121 09/14/2012 Bren	SC-22.13	SISGR: Modular Nanoscale and Biomimetic Assemblies for Photocatalytic Hydrogen Generation	560
ROCHESTER, UNIVERSITY OF Rochester, NY	DE-FG02-09ER16089 09/14/2012 Holland	SC-22.12	High-Spin Cobalt Hydrides for Catalysis	145
ROCHESTER, UNIVERSITY OF Rochester, NY	DE-FG02-11ER16221 06/30/2012 Prezhdo	SC-22.13	Atomistic Time-Domain Simulations of Light-Harvesting and Charge-Transfer Dynamics in Novel Nanoscale Materials for	151
ROCHESTER, UNIVERSITY OF Rochester, NY	DE-FG02-05ER15713 01/31/2015 Eberly	SC-22.11	Atomic and Molecular Electron Correlation in Strong Fields	100
ROCHESTER, UNIVERSITY OF Rochester, NY	DE-FG02-86ER13569 05/31/2014 Jones	SC-22.12	Transition Metal Activation and Functionalization of Carbon-Hydrogen Carbon-Carbon Bonds	155
ROCHESTER, UNIVERSITY OF Rochester, NY	DE-FG02-01ER15204 10/31/2013 Novotny	SC-22.11	Antenna-Coupled Light-Matter Interactions	315
ROCHESTER, UNIVERSITY OF Rochester, NY	DE-FG02-88ER40414 03/31/2014 Schroeder	SC-26.1	Studies of Heavy Ion Reactions and Transuranic Nuclei	321
ROCHESTER, UNIVERSITY OF Rochester, NY	DE-FG02-91ER40685 04/30/2012 McFarland	SC-25	Theoretical and Experimental Studies of Elementary Physics	2,286
ROCHESTER, UNIVERSITY OF Rochester, NY	DE-FG02-06ER15821 02/28/2013 Krauss	SC-22.13	Photophysics and Photoinduced Charge Transport in Single Walled Carbon Nanotubes	120
ROCKEFELLER UNIVERSITY New York, NY	DE-FG02-91ER40651 01/31/2013 Goulianos	SC-25	Experimental Studies of Elementary Particle Interactions at High Energies	534

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2011
ETTERING INST. FOR CANCER RES. New York, NY	DE-FG02-09ER64822 08/31/2013 Lewis	SC-23.2	Integrated Manhattan Project for Excellence in Radiochemistry (IMPER)	1,200
SYRACUSE UNIVERSITY Syracuse, NY	DE-FG02-85ER40231 12/31/2012 Balachandran	SC-25	Research Program in Elementary Particle Theory	350
SYRACUSE UNIVERSITY Syracuse, NY	DE-FG02-84ER40146 03/31/2014 Souder	SC-26.1	Spin Dependent Phenomena in Medium Energy Physics	407
UNION COLLEGE Schenectady, NY	DE-FG02-05ER41398 08/31/2013 Surman	SC-26.1	Neutrinos and Nucleosynthesis in Gamma Ray Bursts	33
Total for NY :				54,007

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2011
AKRON, UNIVERSITY OF Akron, OH	DE-FG02-90ER14151 06/30/2014 Perry	SC-22.11	The Dynamics of Large-Amplitude Motion in Energized Molecules	135
AKRON, UNIVERSITY OF Akron, OH	DE-FG02-10ER46779 08/31/2013 Karim	SC-22.21	In-situ Neutron Scattering Determination of 3D Phase-Morphology Correlations in Fullerene Block Copolymer Systems	266
BOWLING GREEN STATE UNIVERSITY Bowling Green, OH	DE-FG02-06ER15827 03/31/2013 Lu	SC-22.11	Single-Molecule Interfacial Electron Transfer	188
CASE WESTERN RESERVE UNIV. Cleveland, OH	DE-FG02-01ER45934 11/14/2012 Rosenblatt	SC-22.23	Nanosopic Manipulation and Imaging of Liquid Crystals	128
CASE WESTERN RESERVE UNIV. Cleveland, OH	DE-FG02-95ER40898 12/31/2012 Starkman, Vachaspati	SC-25	Theoretical Physics Research at the High Energy Frontier, Including Astrophysics and Cosmology	179
CINCINNATI, UNIVERSITY OF Cincinnati, OH	DE-FG02-84ER40153 12/31/2013 Wijewardhana	SC-25	Research in Particle Physics Task A and B	770
CINCINNATI, UNIVERSITY OF Cincinnati, OH	DE-FG02-04ER15604 08/14/2013 Guliants	SC-22.12	Surface Termination of M1 Phase and Rational Design of Propane Ammoxidation Catalysts	160
CINCINNATI, UNIVERSITY OF Cincinnati, OH	DE-FG02-07ER64353 08/31/2012 Heineman	SC-23.1	Spectroelectrochemical Sensor for Pertechnetate Applicable to Hanford and other DOE Sites	0
EVELAND CLINIC FOUNDATION, THE Cleveland, OH	DE-FG02-09CH11565 07/31/2012 Lowe	SC-23	Next Generation Neuroimaging at Cleveland Clinic	0
DAYTON, UNIVERSITY OF Dayton, OH	DE-FG02-11ER64978 02/29/2012 Hallinan	SC-23.2	Clean Energy Education Infrastructure Initiative (OH)	486
ENTAL PROTECT AGENCY, NRML-OH Cincinnati, OH	DE-AI02-11ER65233 09/14/2013 Scheckel	SC-23.1	Fate of Uranium During Transport Across the Groundwater-Surface Water Interface	28
KENT STATE UNIVERSITY Kent, OH	DE-FG02-10ER64971 05/31/2013 Blackwood	SC-23.2	Tracking Down Cheaters: Molecular Analysis of Carbon Consumption by Organisms That Do Not Contribute to Extracellular Enzyme Pools	376
KENT STATE UNIVERSITY Kent, OH	DE-FG02-09ER46572 02/28/2013 Kumar	SC-22.23	Biaxiality in Thermotropic Bent-Core and Tetrapodic Nematic Liquid Crystals	350
KENT STATE UNIVERSITY Kent, OH	DE-FG02-06ER46331 08/14/2013 Lavrentovich	SC-22.22	Electric Field Effects in Liquid Crystals with Dielectric Dispersion	180
KENT STATE UNIVERSITY Kent, OH	DE-FG02-01ER41194 06/14/2013 Manley	SC-26.1	Baryon Spectroscopy Through Partial-Wave Analysis and Meson Photoproduction	90

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2011
KENT STATE UNIVERSITY Kent, OH	DE-FG02-89ER40531 03/31/2012 Keane, Margetis	SC-26.1	Heavy Ion Collisions Over a Range of Relativistic Energies	449
MIAMI UNIVERSITY Oxford, OH	DE-FG02-07ER64369 03/14/2012 Dong	SC-23.1	Technetium and Iron Biogeochemistry in Suboxic Subsurface Environments with Emphasis on the Hanford Site	0
MIAMI UNIVERSITY Oxford, OH	DE-FG02-86ER45281 12/31/2013 Pechan	SC-22.22	Magnetic Nanostructures and Spintronic Materials	141
MIAMI UNIVERSITY Oxford, OH	DE-FG02-11ER65178 06/30/2012 Friedberg	SC-23.2	Critical Assessment of Function Annotation Conference, Summer 2011	5
OHIO STATE UNIVERSITY Columbus, OH	DE-FG02-99ER45795 12/31/2013 Wilkins	SC-22.22	Modeling Dynamically and Spatially Complex Materials	120
OHIO STATE UNIVERSITY Columbus, OH	DE-FG02-03ER46054 06/14/2013 Hammel	SC-22.21	Nanoscale Understanding of Exchange Bias and Spin Wave Manipulation Using Advanced MRFM Imaging Techniques	190
OHIO STATE UNIVERSITY Columbus, OH	DE-FG02-09ER46567 06/30/2012 Mills	SC-22.22	Mechanisms and Modeling of High Output Shape Memory Alloys	204
OHIO STATE UNIVERSITY Columbus, OH	DE-FG02-09ER46595 05/14/2012 Yang	SC-22.22	Optical Study of Spin Dynamics in Semiconductor Nanowires	200
OHIO STATE UNIVERSITY Columbus, OH	DE-FG02-08ER46533 04/30/2012 Lemberger	SC-22.22	Experimental Study of Severely Underdoped Ultrathin Cuprate Films	0
OHIO STATE UNIVERSITY Columbus, OH	DE-FG02-07ER46427 08/31/2013 Wu	SC-22.22	Fabricating Highly Efficient Photocathodes for p-type Dye-sensitized Solar Cells	174
OHIO STATE UNIVERSITY Columbus, OH	DE-FG02-07ER46423 12/31/2013 Trivedi	SC-22.22	Orbitally Controlled Magnetism and Transport in Oxide Heterostructures: Quantum Simulations and Nanoscale Imaging	120
OHIO STATE UNIVERSITY Columbus, OH	DE-FG02-07ER46424 04/30/2012 Trivedi	SC-22.22	Interaction Effects in Quasi-One-Dimensional Electron Systems	0
OHIO STATE UNIVERSITY Columbus, OH	DE-FG02-10ER46740 08/14/2013 Randeria	SC-22.22	Theoretical Investigations of Single Particle Spectroscopies of Novel Materials	105
OHIO STATE UNIVERSITY Columbus, OH	DE-FG02-04ER15614 10/31/2013 DiMauro	SC-22.11	Attosecond and Ultra-Fast X-Ray Science	305
OHIO STATE UNIVERSITY Columbus, OH	DE-FG02-04ER15495 11/14/2012 Allen	SC-22.12	Geochemistry of Interfaces: From Surfaces to Interlayers to Clusters	86

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands)
				FY 2011
OHIO STATE UNIVERSITY Columbus, OH	DE-FG02-01ER15172 10/31/2013 Miller	SC-22.11	Spectroscopic Detention, Characterization and Dynamics of Free Radicals Relevant to Combustion Processes	170
OHIO STATE UNIVERSITY Columbus, OH	DE-FG02-08ER15976 08/31/2014 Tabita	SC-22.13	Molecular Regulation of Photosynthetic Carbon Dioxide Fixation in Nonsulfur Purple Bacteria	170
OHIO STATE UNIVERSITY Columbus, OH	DE-FC02-06ER25775 09/30/2012 Catalyurek	SC-21.1	SciDAC Institute: Combinatorial Scientific Computing and Petascale Simulations (CSCAPES)	157
OHIO STATE UNIVERSITY Columbus, OH	DE-FC02-06ER25755 09/14/2012 Panda	SC-21.1	Center for Programming Models for Scalable Parallel Computing	0
OHIO STATE UNIVERSITY Columbus, OH	DE-FG02-91ER20042 07/31/2013 Krzycki	SC-22.13	Transmethylation reactions during methylotrophic methanogenesis in methanogenic Archaea	165
OHIO STATE UNIVERSITY Columbus, OH	DE-FG02-11ER16280 12/31/2014 Cole	SC-22.12	Collaborative Research: Nanopore Confinement of C-H-O Mixed-Volatile Fluids Relevant to Subsurface Energy Systems	150
OHIO STATE UNIVERSITY Columbus, OH	DE-FG02-11ER16209 12/14/2013 Chisholm	SC-22.12	Mechanistic Studies Aimed at the Development of Single Site Metal Alkoxide Catalysts for the Production of	150
OHIO STATE UNIVERSITY Columbus, OH	DE-FG02-07ER15896 08/14/2013 Ozkan	SC-22.12	Investigation of the Nature of Active Sites on Heteroatom-Containing Carbon Nano-Structures for Oxygen Reduction Reaction	170
OHIO STATE UNIVERSITY Columbus, OH	DE-FG02-91ER40690 11/30/2013 Kass	SC-25	Research in Elementary Particle Physics	1,952
OHIO STATE UNIVERSITY Columbus, OH	DE-FC02-09ER41586 11/30/2011 Furnstahl	SC-26.1	Building a Universal Nuclear Energy Density Functional	100
OHIO STATE UNIVERSITY Columbus, OH	DE-FG02-09ER41609 11/14/2011 Kagan	SC-25	Development of Single Crystal Chemical Vapor Deposition Diamonds for Detector Applications	0
OHIO STATE UNIVERSITY Columbus, OH	DE-FG02-10ER41687 06/14/2013 Heinz, Kovchegov	SC-26.1	Nuclear Theory for High Energy Collisions	385
OHIO STATE UNIVERSITY Columbus, OH	DE-FG02-10ER41684 05/31/2013 Heinz	SC-26.1	Quantitative Jet and Electromagnetic Tomography (JET) of Extreme Phases of Matter in Heavy-Ion Collisions	47
OHIO STATE UNIVERSITY Columbus, OH	DE-FG02-95ER40900 12/31/2012 Collings	SC-25	Material, Strands, and Cables for Superconducting Accelerator Magnets	241
OHIO STATE UNIVERSITY Columbus, OH	DE-FC02-10ER25995 08/31/2013 Sadayappan	SC-21.1	A Fault-Oblivious Extreme-Scale Execution Environment	75

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands)
				FY 2011
OHIO STATE UNIVERSITY Columbus, OH	DE-FG02-09ER25906 08/31/2012 Keyfitz	SC-21.1	Analysis of Self-Similar Solutions of Multidimensional Conservation Laws	94
OHIO STATE UNIVERSITY Columbus, OH	DE-FG02-09ER25901 07/31/2012 Calyam	SC-21.1	Sampling Approaches for Multi-Domain Internet Performance Measurement Infrastructures to Better Serve Network	175
OHIO STATE UNIVERSITY Columbus, OH	DE-FG02-08ER25850 07/31/2012 Sadayappan	SC-21.1	Scalable Fault Tolerance Runtime Technology for Petascale Computers	0
OHIO STATE UNIVERSITY Columbus, OH	DE-FC02-06ER25779 12/14/2012 Shen	SC-21.1	SCIDAC Institute for Ultrascale Visualization	150
OHIO STATE UNIVERSITY Columbus, OH	DE-FC02-10ER26018 08/31/2013 Shen	SC-21.1	An Information-theoretic Framework for Enabling Extreme-scale Science Discovery	312
OHIO STATE UNIVERSITY Columbus, OH	DE-FC02-10ER26040 08/31/2013 Sadayappan	SC-21.1	A Polyhedral Transformation Framework for Compiler Optimization	133
OHIO STATE UNIVERSITY Columbus, OH	DE-FG02-06ER15833 12/31/2012 DiMauro	SC-22.11	Imaging of Electronic Wave Functions During Chemical Reactions	222
OHIO STATE UNIVERSITY Columbus, OH	DE-FG02-11ER65205 08/31/2014 Curtis	SC-23.1	Forecasting Carbon Storage as Eastern Forests Age: Joining Experimental and Modeling Approaches at the UMBS Ameriflux	347
OHIO UNIVERSITY Athens, OH	DE-FG02-88ER40387 11/30/2011 Brune	SC-26.1	Studies of Nuclear Astrophysics, Structure, and Reactions with Neutrons, Radioactive Beams, and Other Probes	340
OHIO UNIVERSITY Athens, OH	DE-FG02-93ER40756 10/31/2013 Elster	SC-26.1	Nuclear Dynamics and Astrophysics in Few- and Many-Body Systems	361
OHIO UNIVERSITY Athens, OH	DE-FG02-06ER46300 11/30/2012 Castillo	SC-22.22	Fluctuations in the Slow Dynamics of Glasses and Granular Systems	71
OHIO UNIVERSITY Athens, OH	DE-FG02-06ER46317 07/31/2013 Smith	SC-22.22	Spin-Polarized Scanning Tunneling Microscopy Studies of Nanoscale Magnetic and Spintronic Nitride Systems	160
OHIO UNIVERSITY Athens, OH	DE-FG02-02ER46012 09/14/2014 Hla	SC-22.22	Investigation and Manipulation of Nanoscale Molecular Superconductivity	132
OHIO UNIVERSITY Athens, OH	DE-FG02-10ER41678 05/31/2015 Elster	SC-26.1	Advancing the Theory of Nuclear Reactions With Rare Isotopes: From the Laboratory to the Cosmos	11
WRIGHT STATE UNIVERSITY Dayton, OH	DE-FG02-03ER15379 03/31/2012 Higgins	SC-22.12	Geochemical Rate Processes at Mineral-Water Interfaces: Linking Molecular-Scale Surface Properties to Macroscopic Observables	115

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2011
WRIGHT STATE UNIVERSITY Dayton, OH	DE-FG02-11ER46820 08/31/2014 Look	SC-22.22	Experimental and Theoretical Pursuit of the Ultimate Conductivity in ZnO	332
			Total for OH :	12,322

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2011
LANGSTON UNIVERSITY Langston, OK	DE-FG02-99ER41109 05/14/2012 Snow	SC-25	Langston University - High Energy Physics (LU-HEP)	70
A STATE UNIVERSITY, STILLWATER Stillwater, OK	DE-FG02-04ER46124 02/28/2013 Xie	SC-22.22	Charge, Spin and Heat Transport in Low-Dimensional Systems	90
A STATE UNIVERSITY, STILLWATER Stillwater, OK	DE-FG02-04ER41306 04/30/2013 Nandi	SC-25	Theoretical Research in Weak, Electromagnetic, and Strong Interactions	350
A STATE UNIVERSITY, STILLWATER Stillwater, OK	DE-FG02-08ER15968 07/14/2014 Burnap	SC-22.13	Genetic and Metabolic Integration of the Carbon Concentrating Mechanism with the Light and Dark Reactions of Oxygenic	155
A STATE UNIVERSITY, STILLWATER Stillwater, OK	DE-FG02-96ER20215 08/31/2014 Mort	SC-22.13	The Structure of Pectins	117
A STATE UNIVERSITY, STILLWATER Stillwater, OK	DE-FG02-11ER65250 09/14/2014 Atekwana	SC-23.1	Induced Polarization Signature of Biofilms in Porous Media: From Laboratory Experiments to Theoretical Developments	250
OKLAHOMA, UNIVERSITY OF Norman, OK	DE-FG02-11ER65249 09/14/2013 Butler	SC-23.1	In-Situ Generation of Iron-Chromium Precipitates for Long Term Immobilization of Chromium at the Hanford Site	112
OKLAHOMA, UNIVERSITY OF Norman, OK	DE-FG02-11ER65212 08/14/2014 Bartley	SC-23.2	Association Mapping of Cell Wall Synthesis Regulatory Genes and Cell Wall Quality in Switchgrass	472
OKLAHOMA, UNIVERSITY OF Norman, OK	DE-FG02-11ER65300 09/14/2014 Turner	SC-23.1	Lidar Investigations of Aerosol, Cloud, and Boundary Layer Properties Over the ARM ACRF Sites	152
OKLAHOMA, UNIVERSITY OF Norman, OK	DE-FG02-96ER20214 06/14/2014 McInerney	SC-22.13	Protein Complexes Involved in Syntrophic Hydrogen Production and Electron Transfer	189
OKLAHOMA, UNIVERSITY OF Norman, OK	DE-FG02-11ER16276 09/14/2014 Nicholas	SC-22.12	Catalytic Deoxydehydration of Biomass-Derived Polyols to Chemicals and Fuels	146
OKLAHOMA, UNIVERSITY OF Norman, OK	DE-FG02-11ER16279 12/31/2014 Striolo	SC-22.12	Collaborative Research: Nanopore Confinement of C-H-O Mixed-Volatile Fluids Relevant to Subsurface Energy Systems	40
OKLAHOMA, UNIVERSITY OF Norman, OK	DE-FG02-07ER41517 08/31/2012 Baron	SC-25	Spectroscopic Studies of SNe Ia: Finding the Right Model	55
OKLAHOMA, UNIVERSITY OF Norman, OK	DE-FG02-04ER41305 04/30/2013 Skubic, Milton	SC-25	Experimental Physics Investigations Using Colliding Beam Detectors at Fermilab, Cornell & LHC; Nonperturbative Quantum	976
OKLAHOMA, UNIVERSITY OF Norman, OK	DE-FG02-06ER15769 07/31/2012 Krumholz	SC-22.13	Genes Needed for H2 Production by Sulfate Reducing Bacteria	0

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2011
OKLAHOMA, UNIVERSITY OF Norman, OK	DE-FG02-10ER46706 06/30/2013 Yang	SC-22.21	Interband Cascade Photovoltaic Cells	10
OKLAHOMA, UNIVERSITY OF Norman, OK	DE-FG02-10ER46725 07/14/2013 Resasco	SC-22.21	Center for Interfacial Reaction Engineering	50
OKLAHOMA, UNIVERSITY OF Norman, OK	DE-FG02-09ER46618 08/14/2013 Striolo	SC-22.21	Electrolytes at Solid-Water Interfaces: Theoretical Studies for Practical Applications	15
OKLAHOMA, UNIVERSITY OF Norman, OK	DE-FG02-05ER64062 05/31/2012 Lamb	SC-23.1	Southern Great Plains Site Scientist	250
OKLAHOMA, UNIVERSITY OF Norman, OK	DE-FG02-07ER64383 03/31/2012 Zhou	SC-23.2	Integrated Genome-Based Studies of Shewanella Ecophysiology	0
TULSA, UNIVERSITY OF Tulsa, OK	DE-FG02-10ER55067 05/31/2013 Brennan	SC-24.2	Development and Application of Predictive Tools for MHD Stability Limits in Tokamaks	242
TULSA, UNIVERSITY OF Tulsa, OK	DE-FG02-08ER54950 01/31/2013 Brennan	SC-24.2	Flow Shear Effects in the Onset Physics of Resistive MHD Instabilities in Tokamaks	0
TULSA, UNIVERSITY OF Tulsa, OK	DE-FG02-07ER54931 07/14/2012 Brennan	SC-24.2	Hot Particle and Turbulent Transport Effects on Resistive Instabilities	0
TULSA, UNIVERSITY OF Tulsa, OK	DE-FG02-09ER64886 07/31/2012 Blais	SC-23.2	The National Energy Policy Institute (NEPI) at The University of Tulsa	0
TULSA, UNIVERSITY OF Tulsa, OK	DE-FG02-10ER65045 09/14/2012 Crunkleton	SC-23.2	Development of Green Fuels from Algae - The University of Tulsa	0
Total for OK :				3,741

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands)
				FY 2011
GALOIS, INC. Portland, OR	DE-FC02-10ER26000 08/31/2013 Sottile	SC-21.1	COMPOSE - HPC: Software Composition for Extreme Scale Computational Science and Engineering	86
GALOIS, INC. Portland, OR	DE-FG02-11ER25985 06/14/2013 Sottile	SC-21.1	Fortran Transformational Tools in Support of Scientific Application Development for Petascale Computer Architectures	112
ON HEALTH & SCIENCE UNIVERSITY Portland, OR	DE-FG02-09ER64806 07/14/2012 Tratnyek	SC-23.1	Technetium Reduction and Permanent Sequestration by Abiotic and Biotic Formation of Low-Solubility Sulfide	218
ON HEALTH & SCIENCE UNIVERSITY Portland, OR	DE-FG02-10ER64953 05/31/2013 Tebo	SC-23.1	Manganese Redox Mediation of UO2 Stability and Uranium Fate in the Subsurface: Molecular and Meter Scale Dynamics	366
OREGON STATE UNIVERSITY Corvallis, OR	DE-FG02-10ER65000 07/14/2013 Myrold	SC-23.2	Meta-"omics" Analysis of Microbial Carbon Cycling Responses to Altered Rainfall Inputs in Native Prairie Soils	437
OREGON STATE UNIVERSITY Corvallis, OR	DE-FG02-10ER65076 09/14/2013 Law	SC-23.1	The Effects of Climate, Forest Age, and Disturbance History on Carbon and Water Processes at Ameriflux Sites Across Gradients in Pacific Northwest Forests	349
OREGON STATE UNIVERSITY Corvallis, OR	DE-FG02-11ER65192 08/31/2014 Arp	SC-23.2	Responses of and Interactions Between Nitrifying Bacteria to Environmental Changes: A Systems Level Approach	197
OREGON STATE UNIVERSITY Corvallis, OR	DE-FG02-11ER65238 09/14/2014 de Szoeke	SC-23.1	Collaborative Research: Cloudiness Transitions Within Shallow Marine Clouds Near the Azores	68
OREGON STATE UNIVERSITY Corvallis, OR	DE-FG02-09ER64860 08/31/2012 Haggerty	SC-23.1	Geoelectrical Measurement of Multi-Scale Mass Transfer Parameters	41
OREGON STATE UNIVERSITY Corvallis, OR	DE-FG02-09ER64759 05/14/2012 Colwell	SC-23.1	Microbial Activity and Precipitation in at Solution-Solution Mixing Zones in Porous Media	199
OREGON STATE UNIVERSITY Corvallis, OR	DE-FG02-08ER64665 09/14/2012 Strauss	SC-23.2	Epigenomics of Development in Populus	0
OREGON STATE UNIVERSITY Corvallis, OR	DE-FG02-08ER64630 08/14/2012 Mockler	SC-23.2	A Universal Genome Array and Transcriptome Atlas for Brachypodium Distachyon.	0
OREGON STATE UNIVERSITY Corvallis, OR	DE-FG02-06ER64307 08/31/2012 Law	SC-23.1	Enhancing the Precision and Accuracy Within and Among Ameriflux Site Measurements	500
OREGON STATE UNIVERSITY Corvallis, OR	DE-FG02-97ER41026 12/31/2011 Loveland	SC-26.1	Studies of Heavy Nuclei Produced in Low and Intermediate Energy Nuclear Collisions	160
OREGON STATE UNIVERSITY Corvallis, OR	DE-FG02-11ER16277 11/30/2014 Wildenschild	SC-22.12	A Detailed Study of the Physical Mechanisms Controlling CO2-Brine Capillary Trapping in the Subsurface	143

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				FY 2011
OREGON, UNIVERSITY OF Eugene, OR	DE-FG02-11ER16252 06/30/2012 Richmond	SC-22.11	Support for a Special Symposium to Highlight the Research of Early Career Women Physical Chemists at the 2011 Fall ACS National Meeting, Aug 28-Sept 1, 2011	7
OREGON, UNIVERSITY OF Eugene, OR	DE-FG02-07ER15907 08/31/2013 Lonergan	SC-22.13	Photovoltaic and Photochemical Properties of Conjugated Ionomer Junctions (new title)	175
OREGON, UNIVERSITY OF Eugene, OR	DE-FG02-05ER15634 12/31/2014 Kellman	SC-22.11	Dynamical Analysis of Highly Excited Spectra	100
OREGON, UNIVERSITY OF Eugene, OR	DE-FG02-05ER41383 08/31/2012 Brau	SC-25	University-Based Detector Research & Development for the International Linear Collider	0
OREGON, UNIVERSITY OF Eugene, OR	DE-FG02-09ER41623 08/14/2012 Brau	SC-25	Sid Detector R&D	895
OREGON, UNIVERSITY OF Eugene, OR	DE-FC02-11ER26057 08/31/2016 Malony	SC-21.1	The Institute for Sustained Performance, Energy, and Resilience (SUPER)	215
OREGON, UNIVERSITY OF Eugene, OR	DE-FG02-09ER25933 09/14/2012 Malony	SC-21.1	MOGO: Model-Oriented Global Optimization of Petascale Applications	174
OREGON, UNIVERSITY OF Eugene, OR	DE-FC02-10ER26005 08/31/2013 Malony	SC-21.1	Vancouver: Designing a Next-Generation Software Infrastructure for Productive Heterogeneous Exascale Computing	392
OREGON, UNIVERSITY OF Eugene, OR	DE-FG02-09ER25873 08/31/2012 Malony	SC-21.1	Performance Refactoring of Instrumentation, Measurement, and Analysis Technologies for Petascale Computing: the PRIMA Project	334
OREGON, UNIVERSITY OF Eugene, OR	DE-FG02-96ER40969 06/30/2014 Brau	SC-25	Task A: Theory of Elementary Particles; Task B Experimental High Energy Physics	1,183
OREGON, UNIVERSITY OF Eugene, OR	DE-FG02-96ER40972 04/30/2013 Hwa	SC-26.1	Physics of Nuclear Collisions at High Energy	100
OREGON, UNIVERSITY OF Eugene, OR	DE-FG02-11ER46831 08/31/2014 Kevan	SC-22.21	Nanoscale Dynamical Heterogeneity in Complex Magnetic Materials	157
OREGON, UNIVERSITY OF Eugene, OR	DE-FG02-96ER45557 02/28/2014 Richmond	SC-22.23	Molecular Processes Underlying the Structures and Assembly of Thin Films and Nanoparticles at Complex Interfaces	260
OREGON, UNIVERSITY OF Eugene, OR	DE-FG02-03ER46061 07/14/2012 Richmond	SC-22.23	Research Project on the Recruitment, Retention, and Promotion of Women in the Chemical Sciences	160
OREGON, UNIVERSITY OF Eugene, OR	DE-FG02-04ER46158 08/31/2012 Kevan	SC-22.22	Manybody Interactions in Magnetic Films and Nanostructures	0

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OREGON, UNIVERSITY OF Eugene, OR	DE-FG02-09ER64719 12/31/2012 Bridgham	SC-23.1	Climate Effects on Plant Range Distributions and Community Structure of Pacific Northwest Prairies	389
PARATOOLS, INC. Eugene, OR	DE-FC02-07ER54910 02/14/2012 Malony	SC-24.2	Framework Application for Core-Edge Transport Simulation (FACETS)	80
PORTLAND STATE UNIVERSITY Portland, OR	DE-FG02-06CH11404 06/30/2012 Wamser	SC-23	Solar Photovoltaic Test Facility System	0
PORTLAND STATE UNIVERSITY Portland, OR	DE-FG02-08ER64515 06/30/2012 Khalil	SC-23.1	Closing the Gaps in the Budgets of Methane and Nitrous Oxide	0
PORTLAND STATE UNIVERSITY Portland, OR	DE-FG02-07ER46406 06/30/2013 Koenenkamp	SC-22.21	High-Resolution Photoemission Electron Microscopy	220
Total for OR :				7,717

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ULTURE, U.S. DEPT. OF, FS-NGCP Newtown Square, PA	DE-AI02-07ER64355 03/14/2012 Hollinger	SC-23.1	Using Model Analyses & Surface-Atmosphere Exchange Measurements from the Howland AmeriFlux Supersite in Maine, USA, to Improve Understanding of Forest Ecosystem	0
BUCKNELL UNIVERSITY Lewisburg, PA	DE-FG02-09ER25909 08/31/2012 Frey	SC-21.1	Data Network Weather Service Reporting	122
CARNEGIE MELLON UNIVERSITY Pittsburgh, PA	DE-FG02-09ER16078 09/14/2012 Gellman	SC-22.12	Molecular-Level Design of Heterogeneous Chiral Catalysts	660
CARNEGIE MELLON UNIVERSITY Pittsburgh, PA	DE-FG02-09ER25918 09/14/2012 Schneider	SC-21.1	Machine Learning for Massive Scale Cosmology	415
CARNEGIE MELLON UNIVERSITY Pittsburgh, PA	DE-FG02-07ER15919 02/14/2012 Kitchin	SC-22.12	Modeling Coverage Dependence in Surface Reaction Networks	0
CARNEGIE MELLON UNIVERSITY Pittsburgh, PA	DE-FG02-87ER40315 11/30/2013 Franklin	SC-26.1	Experimental Medium Energy Physics	1,020
CARNEGIE MELLON UNIVERSITY Pittsburgh, PA	DE-FG02-91ER40682 10/31/2012 Paulini, Ferguson, Vogel	SC-25	Research in Experimental and Theoretical High Energy Physics	1,312
CARNEGIE MELLON UNIVERSITY Pittsburgh, PA	DE-FG02-08ER46481 03/14/2012 Majetich	SC-22.22	Dipolar Ferromagnets for Magnetocaloric Effect Nanocomposites	100
CARNEGIE MELLON UNIVERSITY Pittsburgh, PA	DE-FG02-09ER46645 09/14/2012 Suter	SC-22.21	SISGR - Quantifying Damage Accumulation During Ductile Plastic Deformation Using Synchrotron Radiation	400
CARNEGIE MELLON UNIVERSITY Pittsburgh, PA	DE-FG02-01ER45893 06/30/2014 De Graef	SC-22.21	Materials Applications of Aberration-Corrected Lorentz Microscopy	175
CARNEGIE MELLON UNIVERSITY Pittsburgh, PA	DE-FG02-11ER65296 09/14/2014 Donahue	SC-23.1	Aging of Organic Aerosol: Cloud and Climate Effects	200
NEY UNIVERSITY OF PENNSYLVANIA Cheyney, PA	DE-FG02-09ER64911 12/31/2012 Eva	SC-23.2	Cheyney University Curriculum and Infrastructure Enhancement in STEM Phase II	0
DREXEL UNIVERSITY Philadelphia, PA	DE-FG02-07ER46473 08/31/2013 Gogotsi	SC-22.23	Low Temperature Synthesis of Carbide-derived-carbons from Binary and Ternary Carbides in the Si-Ti-C System: Experiments and Modeling	150
DREXEL UNIVERSITY Philadelphia, PA	DE-FG02-11ER16271 12/31/2014 Shuford	SC-22.11	Plasmon Enhanced Photovoltaics: Modeling Energy and Charge Transfer in Solar Nanoassemblies	119
DREXEL UNIVERSITY Philadelphia, PA	DE-FG02-00ER41134 06/30/2012 Lane	SC-25	Neutrino Physics	205

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				FY 2011
NAL ADVANCEMENT ALLIANCE, INC. Philadelphia, PA	DE-FG02-05CH11302 12/31/2012 Hamm, Nicholas	SC-23	Center for Development of Math, Science and Technology Understanding	0
FOX CHASE CANCER CENTER Philadelphia, PA	DE-FG02-09ER64800 07/30/2012 Doss	SC-23.2	Application of Low Dose Radiation Adaptive Response to Control Aging-Related Diseases	391
LEHIGH UNIVERSITY Bethlehem, PA	DE-FG02-92ER54141 11/30/2012 Kritz	SC-24.2	Predicted Integrated Modeling of Heated Tokamak Plasmas	209
LEHIGH UNIVERSITY Bethlehem, PA	DE-FG02-09ER55022 07/14/2012 Schuster	SC-24.2	Numerical and Experimental Investigation of Turbulent Transport Control via Shaping of Radial Plasma Flow Profiles	68
LEHIGH UNIVERSITY Bethlehem, PA	DE-FC02-08ER54985 02/29/2012 Kritz	SC-24.2	Proposed Lehigh University Contribution to the Center for Plasma Edge Simulation (CPES) Project	100
LEHIGH UNIVERSITY Bethlehem, PA	DE-FG02-08ER54993 05/31/2012 Kritz	SC-24.2	Center for Simulation of Wave Interactions with Magnetohydrodynamics (SWIM) Project	50
LEHIGH UNIVERSITY Bethlehem, PA	DE-FG02-08ER46548 04/30/2012 Harmer	SC-22.21	Discovering the Role of Grain Boundary Complexions in Materials	160
LEHIGH UNIVERSITY Bethlehem, PA	DE-FG02-07ER46463 05/14/2013 Jagota	SC-22.23	Bio-Inspired Architectures for Controlled Adhesion, Friction and Surface Compliance	285
LEHIGH UNIVERSITY Bethlehem, PA	DE-FG02-10ER46698 04/30/2014 Jain	SC-22.23	Laser Fabrication of Active Single-Crystal Architecture in Glass	175
LEHIGH UNIVERSITY Bethlehem, PA	DE-FG02-93ER14350 06/14/2012 Wachs	SC-22.12	Fundamental Surface Structure-Photoactivity Relationships of Semiconductor Mixed Oxides for Splitting of H ₂ O to H ₂ /O ₂	165
LEHIGH UNIVERSITY Bethlehem, PA	DE-FG02-05ER15720 06/14/2014 Regen	SC-22.12	Hyper-Thin Membranes for Hydrogen Purification	280
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-09ER64732 04/30/2013 Fisher-Vanden	SC-23.1	Factors Influencing Energy Use and Carbon Emissions in China	60
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-09ER64859 08/31/2012 Singha	SC-23.1	Geoelectrical Measurement of Multi-Scale Mass Transfer Parameters	82
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-11ER65246 09/14/2014 Tien	SC-23.1	Biochemical Mechanisms and Associated Biomolecular Signatures Underlying Energy Strategies of Geobacter Sulfurreducens	179
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-11ER65309 09/14/2013 Li	SC-23.1	Scaling Effects of Cr(VI) Reduction Kinetics: The Role of Geochemical Heterogeneity	150

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				FY 2011
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-04ER46159 05/31/2014 Liu	SC-22.22	Engineering of Mixed Pairing and Non-Abelian Majorana States of Matter in Chiral p-wat Superconductor Sr2Ru04 and Other Materials	130
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-05ER46222 09/14/2014 Golbeck	SC-22.23	A Hybrid Biological/Organic Half-Cell for Generating Dihydrogen	305
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-09ER46656 09/14/2012 Lueking	SC-22.23	SISGR- Hydrogen Caged in Carbon-Exploration of Novel Carbon-Hydrogen Interactions	340
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-10ER46744 08/14/2013 Jain	SC-22.22	Theory of Topological Quantum Numbers in Low Dimensions	125
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-10ER46768 05/31/2013 Schiffer	SC-22.22	Exploration of Artificial Frustrated Magnets	150
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-08ER46531 11/14/2014 Li	SC-22.22	Studies of Multiband and Topological Superconductors	0
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-07ER46414 08/14/2013 Fichthorn	SC-22.23	Forces, Crystallization, and Assembly in Nanoparticle Suspensions	134
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-07ER46409 08/31/2013 Colby	SC-22.23	Conduction Mechanisms and Structure of Ionomeric Single-Ion Conductors	445
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-07ER46410 08/31/2014 Zhang	SC-22.23	Giant Electrocaloric Effect in Ferroelectric Polymers with Taylored Polar-Nanostructures	155
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-07ER46417 06/30/2013 Chen	SC-22.21	Structure and Dynamics of Domains in Ferroelectric Nanostructures - Phase Field Modeling	143
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-08ER46483 12/14/2012 Schaak	SC-22.23	Chemical Routes to Intermetallic Superconductors	160
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-09ER41631 08/31/2012 Stasto	SC-26.1	QCD Description of Hadronic Interactions at High Energies	112
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-08ER46615 08/14/2012 Mueller	SC-23.1	Release of Aged Contaminants From Weathered Sediments: Effects of Sorbate Speciation on Scaling of Reactive Transport	0
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-08ER46461 08/14/2012 Wagener	SC-23.1	A Framework for Probabilistic Projections of Energy-Relevant Streamflow Indicators Under Climate Change Scenarios for the US	0
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-08ER46570 06/14/2012 Harrington	SC-23.1	Parameterization and Analysis of 3-D Solar Radiative Transfer in Clouds	0

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				FY 2011
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-05ER64058 05/31/2014 Verlinde, Harrington	SC-23.1	North Slope Site Scientist Team	834
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-08ER64701 07/14/2012 de OliveiraBuanafina	SC-23.2	Identifying Genes Controlling Ferulate Cross-Link Formation in Grass Cell Walls	0
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-09ER25872 08/31/2012 Maranas	SC-21.1	Multiscale Simulation for Dynamics Evolution and Structure Formation in Systems Comprised of Chain Molecules	160
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-08ER25862 08/14/2014 Berlyand	SC-21.1	Finite Dimensional Approximations for Continuum Multiscale Problems	150
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-09ER25926 09/14/2012 Kandemir	SC-21.1	An Optimizing Compiler for Petascale I/O on Leadership Class Architectures	138
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-07ER15911 08/31/2013 Mallouk	SC-22.13	Nanostructured Photocatalytic Water Splitting Systems	180
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-11ER26062 08/31/2014 Xu	SC-21.1	Scalable Adaptive Multilevel Solvers for Multiphysics Problems	168
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-10ER26036 12/31/2013 Du	SC-21.1	Collaborative Research: Mathematical and Numerical Analyses of Peridynamics or Multiscale Materials Modeling	150
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-06ER15803 06/30/2012 Winograd	SC-22.12	Chemical Imaging With Cluster Ion Beams and Lasers	168
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-07ER41460 11/14/2012 Gamberg	SC-26.1	Transverse Spin and Momentum Structure of Hadrons in QCD	42
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-93ER40771 12/31/2013 Strikman	SC-26.1	Theoretical Studies in High Energy Nuclear Physics	160
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-90ER40577 04/30/2012 Collins	SC-25	Theoretical Studies in Elementary Particle Physics	125
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-05ER15675 08/31/2014 Brantley	SC-22.12	An Investigation of Roughness and Weathering at the Bedrock-Regolith Interface	230
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-84ER13295 11/30/2012 Sen	SC-22.12	Transition Metal Mediated Transformations of Small Molecules	155
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-89ER14020 04/14/2012 Maroncelli	SC-22.13	Solvation and Charge Transfer in Ionic Liquids	75

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				FY 2011
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-02ER15332 08/31/2012 Ma	SC-22.13	Analysis of Anther Cell Differentiation	0
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-92ER14258 04/30/2012 Castleman, Jr.	SC-22.11	Elucidating the Molecular Level Mechanisms of Oxidation Reactions Effected by Heterogeneous Catalysts	0
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-84ER13179 04/30/2014 Cosgrove	SC-22.13	Molecular Mechanisms of Plant Cell Wall Loosening	170
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-08ER15986 08/31/2014 Williams	SC-22.13	Tuning Photochemical Function of Multimetallic Assemblies Linked by Artificial Oligopeptide Scaffolds	160
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-11ER16273 11/30/2014 Karpyn	SC-22.12	Modified Invasion Percolation Models for Multiphase Processes	124
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-95ER20198 08/14/2014 Ferry	SC-22.13	New Perspectives on Acetate and One-Carbon Metabolism in the Methanoarchaea: Carbonic Anhydrase	150
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-94ER20137 03/31/2012 Bryant	SC-22.13	Light Energy Transduction in Green Sulfur Bacteria	287
PENNSYLVANIA, UNIVERSITY OF Philadelphia, PA	DE-FG02-91ER20052 07/30/2014 Daldal	SC-22.13	Membrane-Attached Electron Carriers in Photosynthesis and Respiration	190
PENNSYLVANIA, UNIVERSITY OF Philadelphia, PA	DE-FG02-11ER16239 08/14/2016 Schelter	SC-22.12	A Physicochemical Method for Separating Rare Earths: Addressing an Impending Shortfall	150
PENNSYLVANIA, UNIVERSITY OF Philadelphia, PA	DE-FG02-85ER13350 05/31/2012 Gorte	SC-22.12	Thermodynamic Properties of Supported Catalysts	170
PENNSYLVANIA, UNIVERSITY OF Philadelphia, PA	DE-FG02-87ER13792 06/30/2014 Lester	SC-22.11	Intermolecular Interactions of Hydroxyl Radicals on Reactive Potential Energy Surfaces	150
PENNSYLVANIA, UNIVERSITY OF Philadelphia, PA	DE-FG02-04ER15605 08/14/2013 Vohs	SC-22.12	Fundamental Studies of the Steam Reforming of Alcohols on PdZnO and Co/ZnO Catalysts	150
PENNSYLVANIA, UNIVERSITY OF Philadelphia, PA	DE-FG02-05ER15719 06/30/2012 Sneddon	SC-22.12	Mechanistic Studies of Activated Hydrogen Release from Amine Boranes	0
PENNSYLVANIA, UNIVERSITY OF Philadelphia, PA	DE-FG02-05ER15721 06/30/2012 Gorte	SC-22.12	The Development of Nano-Composite Electrodes for Natural Gas-Assisted Steam Electrolysis for Hydrogen Production	300
PENNSYLVANIA, UNIVERSITY OF Philadelphia, PA	DE-FG02-88ER40479 12/31/2011 Klein	SC-26.1	The Low Energy Neutrino Physics Research Program at Penn	600

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PENNSYLVANIA, UNIVERSITY OF Philadelphia, PA	DE-FG02-95ER40893 04/30/2012 Williams	SC-25	High Energy Physics Research	3,350
PENNSYLVANIA, UNIVERSITY OF Philadelphia, PA	DE-FG02-07ER15920 08/14/2013 Rappe	SC-22.12	Understanding, Harnessing, and Tuning the Catalytic Chemistry of Nonstoichiometric Oxide Surfaces	170
PENNSYLVANIA, UNIVERSITY OF Philadelphia, PA	DE-FG02-08ER64680 09/14/2012 Karp	SC-23.2	High-Resolution PET Detector	0
PENNSYLVANIA, UNIVERSITY OF Philadelphia, PA	DE-FG02-11ER46814 05/14/2014 Chen	SC-22.23	Electric-Loading Enhanced Kinetics in Oxide Ceramics: Pore Migration, Sintering and Grain Growth	200
PENNSYLVANIA, UNIVERSITY OF Philadelphia, PA	DE-FG02-11ER46809 05/31/2012 Rappe	SC-22.22	ES11: The 23rd Annual Workshop on Electronic Structure Methods, June 6-9, 2011	10
PENNSYLVANIA, UNIVERSITY OF Philadelphia, PA	DE-FG02-11ER46810 08/31/2014 Hammer	SC-22.23	Designing Smart, Responsive Communicating Microcapsules from Polymersomes	170
PENNSYLVANIA, UNIVERSITY OF Philadelphia, PA	DE-FG02-07ER46431 08/14/2013 Rappe	SC-22.22	First-principles Investigations of the Physics of New Semiconducting Ferroelectrics for Solar Light Absorption	250
PENNSYLVANIA, UNIVERSITY OF Philadelphia, PA	DE-FG02-08ER46522 08/14/2013 Yildirim	SC-22.21	From Fundamental Understanding to Predicting New Nanomaterials for High-Capacity Hydrogen Storage	0
PENNSYLVANIA, UNIVERSITY OF Philadelphia, PA	DE-FG02-09ER46661 09/14/2012 Kagan	SC-22.23	SISGR - Bi-Continuous Multi-Component Nanocrystal Superlattices for Solar Energy Conversion	732
PENNSYLVANIA, UNIVERSITY OF Philadelphia, PA	DE-FG02-05ER46223 09/14/2014 Dutton	SC-22.23	Modular Designed Protein Constructions for Solar Generated H2 From Water	256
PENNSYLVANIA, UNIVERSITY OF Philadelphia, PA	DE-FG02-05ER46199 04/30/2013 Liu	SC-22.22	Anharmonic and Thermal Effects Associated with Jammed Solids	120
PENNSYLVANIA, UNIVERSITY OF Philadelphia, PA	DE-FG02-98ER45702 06/30/2013 Vitek	SC-22.22	Combined Atomistic and Mesoscopic Study of Deformation of Body-Centered-Cubic Transition Metals: Effects of Alloying and Magnetism	155
PENNSYLVANIA, UNIVERSITY OF Philadelphia, PA	DE-FG02-00ER45813 05/31/2014 Bonnell	SC-22.21	Local Properties at Nanosized Interfaces and Defects	165
PENNSYLVANIA, UNIVERSITY OF Philadelphia, PA	DE-FG02-11ER41733 04/30/2012 Cvetic	SC-25	A Conference Series on Mathematical String Theory	7
PENNSYLVANIA, UNIVERSITY OF Philadelphia, PA	DE-FG02-84ER45118 01/31/2015 Mele	SC-22.22	Electronic and Piezoelectric Phenomena in Nanostructures	35

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PITTSBURGH, UNIVERSITY OF Pittsburgh, PA	DE-FG02-90ER45438 01/31/2015 Balazs	SC-22.23	Inducing Artificial Morphogenesis in Soft Synthetic Materials	120
PITTSBURGH, UNIVERSITY OF Pittsburgh, PA	DE-FG02-02ER45998 01/14/2015 Balazs	SC-22.23	Integrating Modeling and Experiments to Design Robust Self-Healing Materials	293
PITTSBURGH, UNIVERSITY OF Pittsburgh, PA	DE-FG02-99ER45780 12/14/2011 Snoke	SC-22.22	Indirect Excitons in Coupled Quantum Wells: New Studies with Dark Excitons	120
PITTSBURGH, UNIVERSITY OF Pittsburgh, PA	DE-FG02-09ER46662 09/14/2012 Kumta	SC-22.23	SISGR - Fundamental Experimental and Theoretical Studies on a Novel Family of Oxides Catalyst Supports for Water	250
PITTSBURGH, UNIVERSITY OF Pittsburgh, PA	DE-FG02-08ER46545 07/14/2014 Wiezorek	SC-22.21	Electron Density Determination, Bonding and Properties of Tetragonal Ferromagnetic Intermetallics	162
PITTSBURGH, UNIVERSITY OF Pittsburgh, PA	DE-FG02-07ER46430 08/31/2013 Waldeck	SC-22.22	Nanocrystal-Based Dyads for Solar to Electric Energy Conversion	260
PITTSBURGH, UNIVERSITY OF Pittsburgh, PA	DE-FG02-07ER46421 12/14/2011 Levy	SC-22.22	Development of Spintronic Bandgap Materials	0
PITTSBURGH, UNIVERSITY OF Pittsburgh, PA	DE-FG02-07ER46446 07/31/2012 Yang	SC-22.21	Multiscale Atomistic Simulation of Metal-Oxygen Surface Interactions: Methodological Development, Theoretical	0
PITTSBURGH, UNIVERSITY OF Pittsburgh, PA	DE-FG02-11ER46806 07/14/2016 Dutt	SC-22.21	Quantum Control of Spins in Diamond for Nanoscale Magnetic Sensing and Imaging	150
PITTSBURGH, UNIVERSITY OF Pittsburgh, PA	DE-FG02-08ER46586 07/31/2012 Liang	SC-23.1	The Role of Vegetation, Surface, and Subsurface Processes on Mega Drought and its Implications to Climate Change	0
PITTSBURGH, UNIVERSITY OF Pittsburgh, PA	DE-FG02-91ER40646 04/30/2012 Paolone, Shepard	SC-25	Experimental Particle Physics	977
PITTSBURGH, UNIVERSITY OF Pittsburgh, PA	DE-FG02-00ER15066 06/30/2012 Jordan	SC-22.11	Coordinating Experiment and Theory to Understand How Excess Electrons Are Accomodated by Water Networks Through	109
PITTSBURGH, UNIVERSITY OF Pittsburgh, PA	DE-FG02-11ER16225 07/14/2013 Wang	SC-22.12	SISGR: Theoretically Relating the Surface Composition of the Pt Alloys to Their Performance as the Electrocatalysts of Low-Temperature Fuel Cells	232
PITTSBURGH, UNIVERSITY OF Pittsburgh, PA	DE-FG02-04ER25618 06/30/2014 Yotov	SC-21.1	Modeling and Simulation of Coupled Complex Multiscale Subsurface Phenomena	150
PITTSBURGH, UNIVERSITY OF Pittsburgh, PA	DE-FG02-09ER16056 08/14/2012 Petek	SC-22.11	Studies of Surface Adsorbate Electronic Structure and Femtochemistry at the Fundamental Length and Time Scales	265

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2011
PITTSBURGH, UNIVERSITY OF Pittsburgh, PA	DE-FG02-10ER16165 05/31/2013 Johnson	SC-22.11	Computational Design of Metal Organic Frameworks for Photocatalytic Reduction of CO2	42
PITTSBURGH, UNIVERSITY OF Pittsburgh, PA	DE-FG02-00ER41135 11/30/2013 Swanson	SC-26.1	Studies of the Quark and Gluon Structure of Nuclear and Hadronic Matter	95
SOCIETY FOR INDL. & APPL. MATH Philadelphia, PA	DE-FG02-11ER26045 07/31/2014 Crowley	SC-21.1	SIAM Conferences in Computational Sciences and Its Applications, December 2011	59
SUSQUEHANNA UNIVERSITY Selinsgrove, PA	DE-FG02-10CH20003 06/30/2011 Clarke	SC-23	Equipment Purchases for Susquehanna University's New Science Center	0
SWARTHMORE COLLEGE Swarthmore, PA	DE-FG02-00ER54604 11/30/2013 Brown	SC-24.2	Relaxation of Three-Dimensional Magnetic Structures: SSX Experiments and Experimentally-Validated Simulations	114
TEMPLE UNIVERSITY Philadelphia, PA	DE-FG02-94ER40844 03/31/2012 Meziani	SC-26.1	Nuclear Research Using the Electromagnetic Probe	340
TEMPLE UNIVERSITY Philadelphia, PA	DE-FG02-09ER16000 12/14/2011 Wayland	SC-22.12	Catalytic Hydrogenation of Carbon Monoxide and Hydrocarbon Oxidations	0
TEMPLE UNIVERSITY Philadelphia, PA	DE-FG02-08ER15983 02/14/2014 Matsika	SC-22.11	Combining High Level Ab Initio Calculations with Laser Control of Molecular Dynamics	100
TEMPLE UNIVERSITY Philadelphia, PA	DE-FG02-96ER14644 05/31/2012 Strongin	SC-22.12	Reactivity of Iron-Bearing Minerals and CO2 Sequestration: A Multi-Disciplinary Experimental Approach	99
TEMPLE UNIVERSITY Philadelphia, PA	DE-FG02-10ER46710 06/14/2013 Iavarone	SC-22.21	Vortex Matter in Confined Superconductors and Mesoscopic Hybrid Heterostructures	205
TEMPLE UNIVERSITY Philadelphia, PA	DE-FG02-01ER45872 01/31/2014 Riseborough	SC-22.22	Strongly Correlated Electron Systems	70

Total for PA :

24,599

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2011
O RICO, UNIVERSITY OF MAYAGUEZ Mayaguez, PR	DE-FG02-97ER41045 05/31/2013 Lopez	SC-25	UPR/Mayaguez High Energy Physics	235
O RICO, UNIVERSITY OF MAYAGUEZ Mayaguez, PR	DE-FG02-11ER41731 03/14/2013 Marin	SC-26.2	Exploring One Alternative Approach for Isotope Enrichment Using Green and Safe Low-Cost Nanotechnologies	499
UNIVERSITY OF MEDICAL SCIENCES San Juan, PR	DE-FG02-08ER46526 08/31/2014 Katiyar	SC-22.21	Development and Understanding of Multifunctional Nanostructures for Spintronics and Magnetoelectrics Applications	810
Total for PR :				1,544

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Listing of Active Awards for State (RI)

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands)
				FY 2011
BROWN UNIVERSITY Providence, RI	DE-FG02-03ER15452 10/31/2012 Weber	SC-22.11	Ultrafast Structural Dynamics in Combustion-relevant Model Systems	245
BROWN UNIVERSITY Providence, RI	DE-FG02-11ER16261 08/14/2014 Wang	SC-22.12	Probing the Actinide-Ligand Binding and the Electronic Structure of Gaseous Actinide Molecules and Clusters Using Anion Photoelectron Spectroscopy	360
BROWN UNIVERSITY Providence, RI	DE-FG02-09ER16011 04/14/2012 Diebold	SC-22.12	Ultrasonic Distillation, Thermal Diffusion, and Photoacoustics	135
BROWN UNIVERSITY Providence, RI	DE-FG02-91ER40688 10/31/2012 Cutts	SC-25	A Research Program in Theoretical and Experimental High Energy Physics	1,858
BROWN UNIVERSITY Providence, RI	DE-FG02-08ER15937 06/30/2014 Rose-Petruck	SC-22.11	Spatial Frequency X-ray Heterodyne Imaging of Micro and Nano structured Materials and their Time-resolved Dynamics	140
BROWN UNIVERSITY Providence, RI	DE-FG02-09ER25923 09/14/2012 Karniadakis	SC-21.1	Stochastic Nonlinear Data-reduction Methods with Detection and Prediction of Critical Rare Event	99
BROWN UNIVERSITY Providence, RI	DE-FG02-07ER25818 08/31/2013 Karniadakis	SC-21.1	Stochastic Analysis of Advection-Diffusion-Reactive Systems with Applications to Reactive Transport in	100
BROWN UNIVERSITY Providence, RI	DE-FG02-08ER25863 08/14/2014 Shu	SC-21.1	High Order Discontinuous Galerkin Method and Applications	162
BROWN UNIVERSITY Providence, RI	DE-FG02-09ER25891 08/31/2012 Dupuis	SC-21.1	Large Deviation Methods for the Analysis and Design of Monte Carlo Schemes in Physics and Chemistry	265
BROWN UNIVERSITY Providence, RI	DE-FG02-09ER64757 05/14/2012 Lawrence	SC-23.2	Bayesian Computational Approaches for Gene Regulation Studies of Bioethanol and Biohydrogen Production	136
BROWN UNIVERSITY Providence, RI	DE-FG02-11ER46835 09/14/2014 Guduru	SC-22.21	Fundamental Investigations of Mechanical and Chemical Degradation Mechanisms in Lithium Ion Battery Materials	2,205
BROWN UNIVERSITY Providence, RI	DE-FG02-09ER46644 09/14/2012 Nurmikko	SC-22.21	Optoacoustic Microscopy for Investigation of Material Nanostructures - Embracing the Ultrasmall, Ultrafast, and the Invisible	200
BROWN UNIVERSITY Providence, RI	DE-FG02-10ER46771 08/31/2013 Sheldon	SC-22.22	Understanding and Controlling Toughening Mechanisms in Nanotube Reinforced Ceramic Coatings	220
BROWN UNIVERSITY Providence, RI	DE-FG02-07ER46387 12/31/2013 Nurmikko	SC-22.22	Optically Active 3-Dimensional Semiconductor Quantum DOT Assemblies in Heterogeneous Nanoscale Hosts	210
BROWN UNIVERSITY Providence, RI	DE-FG02-11ER41754 07/14/2012 Cutts	SC-25	Support of the APS Division of Particles and Fields Meeting DPF2011, August 9-13, 2011	30

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands)
				FY 2011
BROWN UNIVERSITY Providence, RI	DE-FG02-11ER41742 07/14/2016 Volovich	SC-25	Miracles in Scattering Amplitudes: from QCD to Gravity	150
BROWN UNIVERSITY Providence, RI	DE-FG02-01ER45913 11/30/2012 Chason	SC-22.23	Mechanisms of Sputter Ripple Formation: Coupling Among Energetic Ions, Surface Kinetics, Stress and Composition	124
GORDON RESEARCH CONF., INC. West Kingston, RI	DE-FG02-11ER16214 12/31/2011 Stair	SC-22.12	2011 Chemical Reactions at Surfaces Gordon Research Conference, February 6-11, 2011	10
GORDON RESEARCH CONF., INC. West Kingston, RI	DE-FG02-11ER16215 12/14/2011 Hupp	SC-22.13	2011 Renewable Energy: Solar Fuels to be held January 15 - 16, 2011	13
GORDON RESEARCH CONF., INC. West Kingston, RI	DE-FG02-11ER16223 06/30/2012 Settersten	SC-22.11	2011 Laser Diagnostics in Combustion Gordon Research Conference, August 14-19, 2011	7
GORDON RESEARCH CONF., INC. West Kingston, RI	DE-FG02-11ER16229 05/31/2012 Sitz	SC-22.11	2011 Dynamics at Surfaces Gordon Research Conference and Gordon-Kenan Research Seminar, August 7-12, 2011	12
GORDON RESEARCH CONF., INC. West Kingston, RI	DE-FG02-11ER16236 06/30/2012 Meyer	SC-22.13	2011 Photochemistry GRC and GRS, July 10-15, 2011	6
GORDON RESEARCH CONF., INC. West Kingston, RI	DE-FG02-11ER16240 05/31/2012 Niyogi	SC-22.13	2011 Photosynthesis Gordon Research Seminar and Conference, June 11-17, 2011	15
GORDON RESEARCH CONF., INC. West Kingston, RI	DE-FG02-11ER16242 07/31/2012 McCoy	SC-22.11	2012 Molecular and Ionic Clusters Gordon Research Conference, January 29 - February 3, 2012	8
GORDON RESEARCH CONF., INC. West Kingston, RI	DE-FG02-11ER16238 06/30/2012 Bunel	SC-22.12	2011 Gordon Research Conference on Organometallic Chemistry, July 10-15, 2011	5
GORDON RESEARCH CONF., INC. West Kingston, RI	DE-FG02-11ER16250 12/31/2012 LaVerne	SC-22.11	2012 Radiation Chemistry Gordon Research Conference and Gordon Research Seminar, July 28, - August 3, 2012	11
GORDON RESEARCH CONF., INC. West Kingston, RI	DE-FG02-11ER16251 06/30/2012 Stedman	SC-22.13	2011 Archaea: Ecology, Metabolism and Molecular Biology Gordon Research Conference, July 31 - August 5, 2011	10
GORDON RESEARCH CONF., INC. West Kingston, RI	DE-FG02-11ER16258 07/14/2012 Weinacht	SC-22.11	2011 Quantum Control of Light & Matter Gordon Research Conference	5
GORDON RESEARCH CONF., INC. West Kingston, RI	DE-FG02-11ER16264 12/31/2012 Ben-Amotz	SC-22.11	2012 Water & Aqueous Solutions Gordon Research Conference (GRC) and Gordon Research Seminar (GRS), Aug 10-17, 2012	11
GORDON RESEARCH CONF., INC. West Kingston, RI	DE-FG02-11ER46801 05/31/2012 Yazdani	SC-22.22	2011 Superconductivity Gordon Research Conference, June 5-10, 2011	10

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2011
GORDON RESEARCH CONF., INC. West Kingston, RI	DE-FG02-11ER46822 07/31/2012 Stephenson	SC-22.21	2011 X-Ray Science Gordon Research Conference, August 7-12, 2011, Waterville, Maine	10
GORDON RESEARCH CONF., INC. West Kingston, RI	DE-FG02-11ER65137 03/31/2012 Haggblom	SC-23.2	2011 Applied and Environmental Microbiology Gordon Research Conference, July 10-15, 2011	12
GORDON RESEARCH CONF., INC. West Kingston, RI	DE-FG02-11ER65143 03/31/2012 Wood	SC-23.1	2011 Radiation and Climate Gordon Research Conference, July 10-14, 2011	15
GORDON RESEARCH CONF., INC. West Kingston, RI	DE-FG02-11ER65133 03/31/2012 Doudareva	SC-23.2	2011 Plant Metabolic Engineering GRC/GRS, July 24-29, 2011	20
RHODE ISLAND, UNIVERSITY OF Kingston, RI	DE-FG02-09CH11578 08/31/2012 Bozylinsky	SC-23	Improving the University of Rhode Island (URI) Cyber-Infrastructure for Enhancing Research	0
RHODE ISLAND, UNIVERSITY OF Kingston, RI	DE-FG02-10ER46736 08/14/2013 Lucht	SC-22.21	Improving the Calendar Life and Safety of Lithium Ion Batteries: Development of Novel Electrolytes and Additives	22
RHODE ISLAND, UNIVERSITY OF Kingston, RI	DE-FG02-10ER65047 09/14/2012 Rothstein	SC-23.2	Unviersity of Rhode Island Regional Earth System Center	0
Total for RI :				6,841

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2011
CITADEL, THE Charleston, SC	DE-FG02-10ER41694 08/14/2013 Yost	SC-25	Precision Studies of Hadronic and Electro-Weak Interactions for Collider Physics	23
CLEMSON UNIVERSITY Clemson, SC	DE-FG02-06ER46342 08/14/2013 Chumanov	SC-22.23	Asymmetric Hybrid Nanoparticles (AHNs)	194
CLEMSON UNIVERSITY Clemson, SC	DE-FG02-08ER46511 03/14/2012 Luo	SC-22.21	Grain Boundary Complexions and Transitions in Doped Silicon	95
CLEMSON UNIVERSITY Clemson, SC	DE-FG02-10ER64966 06/14/2013 Powell	SC-23.1	Development of a Self-Consistent Model of Plutonium Sorption: Quantification of Sorpton Enthalpy and Ligand-Promoted	334
CLEMSON UNIVERSITY Clemson, SC	DE-FG02-09ER64853 08/14/2012 Moysey	SC-23.1	Quantifying Microbe-Mineral Interactions Leading to Remotely Detectable Induced Polarization Signals: Implications for Monitoring Bioremediation	37
OLINA, UNIVERSITY OF RES FOUND Columbia, SC	DE-FG02-95ER40910 05/31/2013 Rosenfeld, Purohit	SC-25	Experimental Particle Physics	667
OLINA, UNIVERSITY OF RES FOUND Columbia, SC	DE-FG02-09ER46616 08/14/2012 Wang	SC-22.21	1D and 2D Assembly of Bionanoparticles for Materials Development	15
OLINA, UNIVERSITY OF RES FOUND Columbia, SC	DE-FG02-09ER46617 08/14/2012 Vogt	SC-22.21	Structure-Composition-Property Relationships of Complex Bismuth Oxide Base Photocatalysts	10
OLINA, UNIVERSITY OF RES FOUND Columbia, SC	DE-FG02-09ER46581 07/31/2014 Reifsnider	SC-22.13	Science Based Nano-Structure Design and Synthesis of Heterogeneous Functional Materials for Energy Systems -- EFRC	2,400
OLINA, UNIVERSITY OF RES FOUND Columbia, SC	DE-FG02-99ER45763 04/14/2014 Kunchur	SC-22.22	Dissipative and Fast-Timescale Phenomena in Superconductors	110
OLINA, UNIVERSITY OF RES FOUND Columbia, SC	DE-FG02-09ER41621 07/31/2012 Gudkov	SC-26.1	Fundamental Neutron Physics: Theory and Analysis	102
OLINA, UNIVERSITY OF RES FOUND Columbia, SC	DE-FG02-11ER16268 08/31/2014 Heyden	SC-22.12	Theoretical Investigation of Heterogeneous Catalysis at the Solid-Liquid Interface for the Conversion of Lignocellulosic	150
Total for SC :				4,137

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 Listing of Active Awards for State (SD)

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2011
DAKOTA SCHOOL OF MINES & TECH. Rapid City, SD	DE-FG02-08ER46503 06/30/2012 Ahrenkiel	SC-22.21	Lattice-Mismatched III-V Epilayers for High-Efficiency Photovoltaics	0
SOUTH DAKOTA, UNIVERSITY OF Vermillion, SD	DE-FG02-10ER46709 06/30/2013 Mei	SC-22.21	Crystal Growth and Detector Development at Homestake for DUSEL Experiments	50
SOUTH DAKOTA, UNIVERSITY OF Vermillion, SD	DE-FG02-10ER41718 08/31/2013 Guiseppa	SC-26.1	Cosmogenic Background and Shielding R&D for a Ge Neutrinoless Double-Beta Decay Experiment	71
SOUTH DAKOTA, UNIVERSITY OF Vermillion, SD	DE-FG02-08ER64624 12/31/2012 Hoefelymeyer	SC-23.2	USD Catalysis Group for Alternative Energy	1,069
Total for SD :				1,190

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Listing of Active Awards for State (TN)

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands)
				FY 2011
MEMPHIS, UNIVERSITY OF Memphis, TN	DE-FG02-09ER25904 08/31/2012 Wu	SC-21.1	Towards a Scalable and Adaptive Application Support Platform for Large-Scale Distributed E-Sciences in High-Performance Network Environments	142
MIDDLE TENNESSEE STATE UNIV. Murfreesboro, TN	DE-FG02-10ER65002 09/14/2012 MacDougall	SC-23.2	Computational Modeling of Drug-Resistant Bacteria	0
SPECTRA TECH, INC. Oak Ridge, TN	DE-AT02-09CH11469 07/31/2014 Hale	SC-22.21	Technical Support Service for the Office of Science (SC) Basic Energy Sciences (BES)	0
TENNESSEE TECH. UNIVERSITY Cookeville, TN	DE-FG02-89ER40530 03/31/2013 Ayik	SC-26.1	Studies of Fluctuation Processes in Nuclear Collisions	37
TENNESSEE TECH. UNIVERSITY Cookeville, TN	DE-FG02-96ER40955 02/28/2014 Kozub	SC-26.1	Nuclear Physics with Radioactive Ion Beams	60
ESSEE, UNIVERSITY OF KNOXVILLE Knoxville, TN	DE-FG02-91ER40627 03/31/2013 Kamyshkov	SC-25	Elementary Particle Interactions	657
ESSEE, UNIVERSITY OF KNOXVILLE Knoxville, TN	DE-FG02-06ER41407 12/31/2014 Papenbrock	SC-26.1	JUSTIPEN: Japan US Theory Institute for Physics with Exotic Nuclei	50
ESSEE, UNIVERSITY OF KNOXVILLE Knoxville, TN	DE-FG02-96ER40963 02/14/2014 Nazarewicz	SC-26.1	Theoretical Nuclear Structure	255
ESSEE, UNIVERSITY OF KNOXVILLE Knoxville, TN	DE-FG02-03ER41258 04/30/2012 Greene	SC-26.1	Fundamental Neutron Physics	255
ESSEE, UNIVERSITY OF KNOXVILLE Knoxville, TN	DE-FC02-09ER41583 05/31/2012 Nazarewicz	SC-26.1	Building a Universal Nuclear Energy Density Functional	260
ESSEE, UNIVERSITY OF KNOXVILLE Knoxville, TN	DE-FG02-10ER41700 08/31/2013 Nazarewicz	SC-26.1	FUSTIPEN - France-U.S. Theory Institute for Physics with Exotic Nuclei	35
ESSEE, UNIVERSITY OF KNOXVILLE Knoxville, TN	DE-FC02-11ER26059 08/31/2016 Moore	SC-21.1	The Institute for Sustained Performance, Energy, and Resilience (SuPER)	215
ESSEE, UNIVERSITY OF KNOXVILLE Knoxville, TN	DE-FG02-10ER25987 08/31/2013 Dongarra	SC-21.1	Matrix Algebra for GPU and Multicore Architectures (MAGMA) for Large Petascale Systems	150
ESSEE, UNIVERSITY OF KNOXVILLE Knoxville, TN	DE-FG02-10ER25971 03/14/2013 Dongarra	SC-21.1	Architecture-Aware Algorithms for Scalable Performance and Resilience on Heterogeneous Architectures	160
ESSEE, UNIVERSITY OF KNOXVILLE Knoxville, TN	DE-FC02-06ER25778 08/31/2012 Huang	SC-21.1	SciDAC Institute for Ultra-Scale Visualization	100

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands)
				FY 2011
ESSEE, UNIVERSITY OF KNOXVILLE Knoxville, TN	DE-FC02-07ER25801 11/14/2012 Dongarra	SC-21.1	SciCET: Center for Scalable-Performance Application Development Software	135
ESSEE, UNIVERSITY OF KNOXVILLE Knoxville, TN	DE-FG02-01ER15259 10/31/2012 Barnes	SC-22.12	Nanostructured Metal Oxide Catalysts via Building Block Syntheses	135
ESSEE, UNIVERSITY OF KNOXVILLE Knoxville, TN	DE-FG02-02ER15283 02/28/2014 Macek	SC-22.11	Theory of Atomic Collisions and Dynamics	125
ESSEE, UNIVERSITY OF KNOXVILLE Knoxville, TN	DE-FG02-05ER15723 06/14/2012 Keffer	SC-22.12	A Computational and Experimental Investigation into the Transport Through of Protons near the Electrolyte/Water, Electrolyte/Catalyst and	225
ESSEE, UNIVERSITY OF KNOXVILLE Knoxville, TN	DE-FG02-09ER16024 07/14/2012 Guiochon	SC-22.12	Separation of Highly Complex Mixtures by Two-Dimension Liquid Chromatography	120
ESSEE, UNIVERSITY OF KNOXVILLE Knoxville, TN	DE-FC02-06ER25761 12/14/2012 Dongarra	SC-21.1	Performance Engineering Research Center (PERC-3) SciDAC Center for Enabling Technology	235
ESSEE, UNIVERSITY OF KNOXVILLE Knoxville, TN	DE-FG02-96ER20223 07/14/2012 von Arnim	SC-22.13	Eukaryotic Initiation Factor 3 (EIF3) and 5' mRNA Leader Sequences as Agents of Translational Regulation in Arabidopsis	180
ESSEE, UNIVERSITY OF KNOXVILLE Knoxville, TN	DE-FG02-01ER45885 07/31/2012 Musfeldt	SC-22.22	Spectroscopic Investigations of Novel Electronic and Magnetic Solids	135
ESSEE, UNIVERSITY OF KNOXVILLE Knoxville, TN	DE-FG02-10ER41715 08/31/2013 Efremenko	SC-26.1	Search for the Neutrinoless Double Beta Decay	83
ESSEE, UNIVERSITY OF KNOXVILLE Knoxville, TN	DE-FG02-11ER41756 07/31/2012 Kamyshkov	SC-25	BLV-2011 Workshop, September 22-24, 2011	8
ESSEE, UNIVERSITY OF KNOXVILLE Knoxville, TN	DE-FG02-05ER46202 05/14/2014 Dai	SC-22.21	Study Magnetic Excitations in Doped Transition Metal Oxides Using Inelastic Neutron Scattering	220
ESSEE, UNIVERSITY OF KNOXVILLE Knoxville, TN	DE-FG02-07ER46370 05/14/2012 Eguiluz	SC-22.22	Predictive Capability for Strongly Correlated Systems: Mott Transition in MnO, Multielectron Magnetic Moments, and Dynamic Effects in Correlated Materials	0
ESSEE, UNIVERSITY OF KNOXVILLE Knoxville, TN	DE-FG02-10ER46713 06/30/2013 Camden	SC-22.21	Plasmon Mapping in Metallic Nanostructures and its Application to Single Molecule Surface Enhanced Raman Scattering: Imaging	15
ESSEE, UNIVERSITY OF KNOXVILLE Knoxville, TN	DE-FG02-10ER46718 07/31/2013 Grossbeck	SC-22.21	Study of Compatibility of Stainless Steel Weld Joints with Liquid Sodium-Potassium Coolants for Fission Surface Power Reactors for Lunar and Space Applications	23
ESSEE, UNIVERSITY OF KNOXVILLE Knoxville, TN	DE-FG02-08ER46528 05/31/2012 Egami	SC-22.21	Neutron Scattering Research Network for EPSCoR States	0

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands)
				FY 2011
ESSEE, UNIVERSITY OF KNOXVILLE Knoxville, TN	DE-FG02-11ER55102 08/31/2015 Wirth	SC-24.2	A Multiscale Investigation of the Mechanisms Controlling Materials Degradation in the Fusion Energy Environment	275
ESSEE, UNIVERSITY OF KNOXVILLE Knoxville, TN	DE-FG02-09ER41634 08/31/2012 Grzywacz-Jones	SC-26.1	Spectroscopic Studies Close to 100Sn and 132Sn Using Direct Reactions and Gamma-Ray Measurements	104
ESSEE, UNIVERSITY OF KNOXVILLE Knoxville, TN	DE-FG02-96ER40982 05/31/2014 Sorensen	SC-26.1	Studies of Hot and Dense Nuclear Matter	309
ESSEE, UNIVERSITY OF KNOXVILLE Knoxville, TN	DE-FG02-96ER40983 02/28/2014 Grzywacz, Jones, Bingham, Riedinger	SC-26.1	Nuclear Spectroscopic Studies with Radioactive and Stable Ion Beams	420
ESSEE, UNIVERSITY OF KNOXVILLE Knoxville, TN	DE-FG02-11ER65267 08/31/2014 Loeffler	SC-23.2	Towards Predictive Understanding of Nitrogen Flux in Soils	504
ESSEE, UNIVERSITY OF KNOXVILLE Knoxville, TN	DE-FG02-11ER65193 08/31/2014 Podar	SC-23.2	From Genomes to Metabolomes: Understanding Mechanisms of Symbiosis and Cell-Cell Signaling Using the Archaeal	423
ESSEE, UNIVERSITY OF KNOXVILLE Knoxville, TN	DE-FG02-10ER65014 06/30/2013 Pfiffner	SC-23.1	Metaproteomics Identifies the Protein Machinery Involved in Metal and Radionuclide Reduction in Subsurface Microbiomes and Elucidates Mechanisms and	315
ESSEE, UNIVERSITY OF KNOXVILLE Knoxville, TN	DE-FG02-10ER65016 07/31/2012 Loeffler	SC-23.1	MURMoT: Design and Application of Microbial Uranium Reduction Monitoring Tools	462
VANDERBILT UNIVERSITY Nashville, TN	DE-FG02-88ER40407 12/31/2012 Hamilton, Ramayya	SC-26.1	Experimental Nuclear Physics	355
VANDERBILT UNIVERSITY Nashville, TN	DE-FG02-92ER40712 02/28/2013 Maguire	SC-26.1	Relativistic Heavy Ion Experimental Physics	583
VANDERBILT UNIVERSITY Nashville, TN	DE-FC02-06ER41447 03/14/2012 Bapty	SC-25	SciDAC: National Computational Infrastructure for Lattice Gauge Theory	0
VANDERBILT UNIVERSITY Nashville, TN	DE-FG02-85ER40226 05/31/2014 Weiler, Kephart	SC-25	Theoretical Investigations in Elementary Particle Physics	260
VANDERBILT UNIVERSITY Nashville, TN	DE-FG02-99ER45781 10/31/2013 Tolk	SC-22.22	Ultrafast Studies of Hydrogen and Related Defects in Semiconductors and Oxides	200
VANDERBILT UNIVERSITY Nashville, TN	DE-FG02-01ER45916 03/14/2014 Haglund	SC-22.22	Linear and Nonlinear Optical Properties of Metal Nanocomposite Materials	183
VANDERBILT UNIVERSITY Nashville, TN	DE-FG02-09ER46554 02/14/2015 Pantelides	SC-22.21	Physics of Complex Materials Systems Through Theory and Microscopy / EELS	256

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2011
VANDERBILT UNIVERSITY Nashville, TN	DE-FG02-96ER40975 05/31/2013 Umar, Oberacker, Ernst	SC-26.1	Microscopic Heavy-Ion Theory	160
VANDERBILT UNIVERSITY Nashville, TN	DE-FG02-09ER64872 09/14/2012 Peterson	SC-23.2	Small Animal SPECT/CT System Based on Position-Sensitive Semiconductor Detectors	0
Total for TN :				8,824

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2011
ABILENE CHRISTIAN UNIVERSITY Abilene, TX	DE-FG02-03ER41243 05/14/2012 Isenhower	SC-26.1	The Spin and Anti-Quark Structure of the Nucleon	197
BAYLOR UNIVERSITY Waco, TX	DE-FG02-10ER41692 08/14/2013 Wang	SC-25	Horava-Lifshitz Theory and Applications to Cosmology and Astrophysics	50
BAYLOR UNIVERSITY Waco, TX	DE-FG02-05ER41399 05/31/2012 Dittmann	SC-25	Elementary Particle Physics at Baylor	160
FOURTH STATE RESEARCH Austin, TX	DE-FG02-08ER54978 02/14/2014 Bravenec	SC-24.2	A Systematic Method for Verification and Validation of Gyrokinetic Microstability Codes	50
HOUSTON, UNIVERSITY OF Houston, TX	DE-FG02-07ER41518 08/14/2013 Lau	SC-25	A Proposal to Measure the Neutrino Mixing Angle Theta_13 in the Daya Bay Experiment	385
HOUSTON, UNIVERSITY OF Houston, TX	DE-FG02-07ER41521 08/14/2013 Bellwied, Pinsky	SC-26.1	Selected Problems in Relativistic Heavy Ion Physics in ALICE at the LHC	477
HOUSTON, UNIVERSITY OF Houston, TX	DE-FG02-07ER15888 06/30/2014 Thummel	SC-22.13	Further Studies on Photocatalytic Water Decomposition	170
HOUSTON, UNIVERSITY OF Houston, TX	DE-FG02-10ER16175 08/31/2013 Cheung	SC-22.11	Multiscale Investigation of Thermal Fluctuations on Solar-Energy Conversion	81
HOUSTON, UNIVERSITY OF Houston, TX	DE-FG02-09ER55042 08/14/2012 Economou	SC-24.2	Pulsed Plasma With Synchronous Boundary Voltage for Rapid Atomic Layer Etching	114
HOUSTON, UNIVERSITY OF Houston, TX	DE-FG02-08ER46486 07/31/2012 Reiter	SC-22.21	Neutron Compton Scattering as a Probe of Hydrogen Bonded (and other) Systems	99
HOUSTON, UNIVERSITY OF Houston, TX	DE-FG02-09ER46571 02/28/2013 Jacobson	SC-22.23	Enhanced Mixed Electronic-Ionic Conductors Through Cation Ordering	400
HOUSTON, UNIVERSITY OF Houston, TX	DE-FG02-10ER46747 08/31/2013 Halasyamani	SC-22.23	Controlling Magnetic and Ferroelectric Order Through Geometry: Synthesis, Ab Initio Theory, and Characterization of New Multi-Ferroic Fluoride Materials	339
IBM CORPORATION Austin, TX	DE-FC02-11ER26048 08/31/2014 Rajamony	SC-21.1	Performance Health Monitoring for Large-Scale Systems	199
NASA - JOHNSON SPACE CENTER Houston, TX	DE-AI02-10ER64969 05/14/2013 Cucinotta	SC-23.2	Systems Biology Model of Interactions Between Tissue Growth Factors and DNA Damage Pathways: Low Dose Response and Cross-Talk in TGFbeta and ATM Signaling	128
NORTH TEXAS, UNIVERSITY OF Denton, TX	DE-FG02-06ER46312 04/30/2012 Krokhin	SC-22.22	Effective Medium Theory for Periodic Composites	110

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NORTH TEXAS, UNIVERSITY OF Denton, TX	DE-FG02-06ER54883 07/14/2012 Ordonez	SC-24.2	Experimental and Theoretical Study of the Plasma Physics of Antihydrogen Generation and Trapping	46
NORTH TEXAS, UNIVERSITY OF Denton, TX	DE-FG02-09ER64812 07/31/2012 Chapman	SC-23.2	Engineering Neutral Lipid Accumulation in Vegetative Tissues of Plants	223
NORTH TEXAS, UNIVERSITY OF Denton, TX	DE-FG02-05ER15647 08/31/2014 Chapman	SC-22.13	Amidase-Mediated Modulation of N-Acylethanolamine (NAE) Signaling Pathway in Plants	180
NORTH TEXAS, UNIVERSITY OF Denton, TX	DE-FG02-04ER15508 12/31/2012 Bagus	SC-22.12	The Influence of Reaction Pathways on the Reduction of U(VI) to U (IV): The Role of the Intermediate U (V) Species	61
NORTH TEXAS, UNIVERSITY OF Denton, TX	DE-FG02-03ER15387 05/14/2014 Cundari	SC-22.12	Modeling of Late Transition Metal Catalysts for Energy Applications	108
NORTH TEXAS, UNIVERSITY OF Denton, TX	DE-FG02-10ER16147 04/14/2013 Cooke	SC-22.12	Experimentally Characterizing the Electronic Structures of f-Electron Systems Using Advanced High Resolution	65
PRAIRIE VIEW A&M RES FOUND Prairie View, TX	DE-FG02-97ER54452 01/31/2013 Boyd	SC-24.2	The Institute for High Heat Flux Removal: Phase II	201
PRAIRIE VIEW A&M RES FOUND Prairie View, TX	DE-FG02-04ER54777 02/29/2012 Huang	SC-24.2	Study of Rotamak Plasmas	272
RICE UNIVERSITY, WILLIAM MARSH Houston, TX	DE-FG02-09ER46598 08/14/2013 Yakobson	SC-22.23	The Dawn of Boron Fullerenes: Key Issues of Stability and Synthetic Routes	250
RICE UNIVERSITY, WILLIAM MARSH Houston, TX	DE-FG02-06ER46337 06/14/2012 Natelson	SC-22.22	Nanostructure Studies of Strongly Correlated Materials	115
RICE UNIVERSITY, WILLIAM MARSH Houston, TX	DE-FG02-06ER46308 07/31/2012 Kono	SC-22.22	Spectroscopy of Degenerate One-Dimensional Electrons in Carbon Nanotubes	150
RICE UNIVERSITY, WILLIAM MARSH Houston, TX	DE-FG02-06ER46274 02/14/2014 Du	SC-22.22	Experiments on Quantum Hall Topological Phases at Ultra-Low Temperatures	150
RICE UNIVERSITY, WILLIAM MARSH Houston, TX	DE-FG02-10ER41666 12/31/2012 Geurts	SC-26.1	Experimental Relativistic Heavy Ion Physics	417
RICE UNIVERSITY, WILLIAM MARSH Houston, TX	DE-FG02-09ER55032 08/14/2012 Liang	SC-24.2	Relativistic Plasma Physics Using Ultra-Intense Lasers	347
RICE UNIVERSITY, WILLIAM MARSH Houston, TX	DE-FG02-11ER55107 08/31/2012 Mittleman	SC-24.2	Proposal of Support for: IRMMW-THz 2011 - The 36th International Conference on Infrared, Millimeter, and Terahertz Waves	10

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RICE UNIVERSITY, WILLIAM MARSH Houston, TX	DE-FG02-97ER41031 04/30/2013 Padley, Roberts, Corcoran	SC-25	High Energy Physics	745
RICE UNIVERSITY, WILLIAM MARSH Houston, TX	DE-FG02-03ER63662 12/14/2012 Levander, Zelt	SC-23.1	3-D Seismic Experimentation and Advanced Processing/Inversion Development for Investigations of the Shallow Subsurface	0
RICE UNIVERSITY, WILLIAM MARSH Houston, TX	DE-FG02-04ER15523 04/14/2013 Scuseria	SC-22.12	Accurate Theoretical Approaches for Studying Actinides and Other Heavy Elements in Solid State	135
RICE UNIVERSITY, WILLIAM MARSH Houston, TX	DE-FG02-03ER15456 09/14/2012 Deem	SC-22.12	Towards Rational, Nanoscale Control of Catalysis: A Fundamental Study of Zeolite Structure and Nucleation	165
RICE UNIVERSITY, WILLIAM MARSH Houston, TX	DE-FG02-09ER16053 07/31/2012 Scuseria	SC-22.11	Accurate Band Gaps for Tailor-Made Photovoltaic Materials	214
RICE UNIVERSITY, WILLIAM MARSH Houston, TX	DE-FG02-11ER16237 06/30/2012 Landes	SC-22.13	From Ultrafast Electron Transfer to Single Molecule Spectroscopy: Forces Driving Contemporary Themes in Physical Chemistry: Fall 2011 ACS National Meeting 8/28-	8
RICE UNIVERSITY, WILLIAM MARSH Houston, TX	DE-FC02-06ER25762 12/14/2012 Mellor-Crummey	SC-21.1	Performance Engineering Research Center (PERC3)	215
RICE UNIVERSITY, WILLIAM MARSH Houston, TX	DE-FG02-09ER25920 08/31/2012 Jermaine	SC-21.1	The MCDB System for Management and Analysis of Petabyte-Scale Uncertain Data	200
RICE UNIVERSITY, WILLIAM MARSH Houston, TX	DE-FG02-09ER25931 09/14/2012 Mellor-Crummey	SC-21.1	Correctness Tools for Petascale Computing	115
RICE UNIVERSITY, WILLIAM MARSH Houston, TX	DE-FC02-07ER25800 11/14/2012 Mellor-Crummey	SC-21.1	Center for Scalable Performance Application Development Software	1,260
SOUTHERN METHODIST UNIVERSITY Dallas, TX	DE-FG02-04ER41299 02/14/2013 Stroynowski	SC-25	High Energy Physics	713
TEXAS A&M RESEARCH FOUNDATION College Station, TX	DE-FG02-11ER65242 09/14/2014 Chang	SC-23.1	Collaborative Project: Understanding Climate Model Biases in Tropical Atlantic and Their Impact on Simulations of Extreme Climate Events	494
TEXAS A&M RESEARCH FOUNDATION College Station, TX	DE-FG02-11ER65221 09/14/2014 Santschi	SC-23.1	Plutonium Speciation and Mobility Through the Subsurface Environment: Nature of Organic Collodial Carriers	223
TEXAS A&M RESEARCH FOUNDATION College Station, TX	DE-FG02-11ER65222 09/14/2014 Santschi	SC-23.1	Collaborative Research: The Importance of Organo-Iodine an Iodate in Iodine-127,129 Speciation, Mobility, and Microbial Activity in Groundwater at DOE Sites	224
TEXAS A&M RESEARCH FOUNDATION College Station, TX	DE-FG02-11ER65350 09/14/2014 Saravanan	SC-23.1	Collaborative Project: Ocean-Atmosphere Interaction From Meso- to Planetary-Scale: Mechanisms, Parameterization, and	62

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TEXAS A&M RESEARCH FOUNDATION College Station, TX	DE-FG02-10ER41682 05/31/2013 Fries	SC-26.1	Proposal for a Topical Collaboration on Quantitative Jet and Electromagnetic Tomography (JET) of Extreme Phases of Matter in Heavy-Ion Collisions	46
TEXAS A&M RESEARCH FOUNDATION College Station, TX	DE-FG02-10ER41680 05/31/2015 Zhanov	SC-26.1	Advancing the Theory of Nuclear Reactions with Rare Isotopes: From the Laboratory to the Cosmos	27
TEXAS A&M RESEARCH FOUNDATION College Station, TX	DE-FG02-09ER64766 06/30/2012 Schumacher	SC-23.1	Radiative Heating Associated with Tropical Convective Cloud Systems: Its Importance at Meso and Global Scales	78
TEXAS A&M RESEARCH FOUNDATION College Station, TX	DE-FG02-08ER64620 07/31/2012 Chang	SC-23.1	Searching for Atlantic Thermohaline Circulation Strength Threshold Leading to Abrupt Change of the African Monsoon	0
TEXAS A&M RESEARCH FOUNDATION College Station, TX	DE-FG02-07ER46450 08/14/2013 Lyuksyutov	SC-22.22	Emergent Behavior in Magnet-Superconductor Hybrids	150
TEXAS A&M RESEARCH FOUNDATION College Station, TX	DE-FG02-06ER46278 03/14/2012 Pokrovsky	SC-22.22	Theory of Magnetic Heterostructures on the Nanometer Scale	148
TEXAS A&M RESEARCH FOUNDATION College Station, TX	DE-FG02-02ER45999 09/14/2014 Dunbar	SC-22.23	Molecular Magnets Based on a Modular Approach: Investigation of Coupling, Anisotropy and Electronic Factors on Bistability	240
TEXAS A&M RESEARCH FOUNDATION College Station, TX	DE-FG02-06ER25727 03/31/2014 Efendiev	SC-21.1	Multiscale Analysis and Computation for Flows in Heterogeneous Media	80
TEXAS A&M RESEARCH FOUNDATION College Station, TX	DE-FG02-10ER16201 09/14/2013 Ozerov	SC-22.12	New Horizons in C-F Activation by Main Group Electrophiles	160
TEXAS A&M RESEARCH FOUNDATION College Station, TX	DE-FG02-03ER15420 11/14/2012 Clearfield	SC-22.12	The Synthesis, Structures, and Chemical Properties of Macrocyclic Ligands Covalently Bonded into Layered Arrays	120
TEXAS A&M RESEARCH FOUNDATION College Station, TX	DE-FG02-95ER14511 12/31/2013 Goodman	SC-22.12	The Physical and Chemical Properties of Nanostructured Mixed-Metal Catalysts	220
TEXAS A&M RESEARCH FOUNDATION College Station, TX	DE-FG02-09ER25949 09/14/2012 Rojas	SC-21.1	Topology for Statistical Modeling of Petascale Data	85
TEXAS A&M RESEARCH FOUNDATION College Station, TX	DE-FG02-10ER26027 08/31/2013 Efendiev	SC-21.1	Bayesian Uncertainty Quantification in Predictions of Flows in Highly Heterogeneous Media and Its Applications to the CO2 Sequestration	255
TEXAS A&M RESEARCH FOUNDATION College Station, TX	DE-FG02-06ER41405 11/30/2013 McIntyre	SC-25	New Technology for Future Colliders	819
TEXAS A&M RESEARCH FOUNDATION College Station, TX	DE-FG02-07ER41485 06/14/2013 Mioduszewski	SC-26.1	Toward Understanding the QGP with the STAR Experiment at RHIC	196

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TEXAS A&M RESEARCH FOUNDATION College Station, TX	DE-FG02-93ER40765 11/30/2011 Tribble, Gagliardi	SC-26.1	QCD and Standard Model Studies	263
TEXAS A&M RESEARCH FOUNDATION College Station, TX	DE-FG02-95ER40917 04/30/2013 Webb, Nanopoulos, Kamon, McIntyre	SC-25	High Energy Physics Research at Texas A&M University	1,115
A&M UNIVERSITY, COLLEGE STATION College Station, TX	DE-FG02-10ER41705 08/31/2013 Tribble	SC-26.2	Breakup of Loosely Bound Nuclei at Intermediate Energies for Nuclear Astrophysics and the Development of a	30
A&M UNIVERSITY, COLLEGE STATION College Station, TX	DE-FG02-93ER40773 12/31/2013 Tribble	SC-26.1	Texas A&M University Cyclotron Institute Research Plan	3,240
A&M UNIVERSITY, COLLEGE STATION College Station, TX	DE-FG02-11ER41747 07/14/2016 Melconian	SC-26.1	Fundamental Electroweak Interaction Studies Using Trapped Atoms and Ions	150
TEXAS A&M UNIVERSITY, COMMERCE Commerce, TX	DE-FG02-09ER64836 08/31/2012 Saffer	SC-23.2	The Development of an Artificial Science and Engineering Research Infrastructure to Facilitate Innovative Computational Modeling, Analysis, and Application...	0
TEXAS A&M UNIVERSITY, COMMERCE Commerce, TX	DE-FG02-10ER41706 08/31/2013 Bertulani	SC-26.2	Breakup of Loosely Bound Nuclei at Intermediate Energies for Nuclear Astrophysics and the Development of a	13
TEXAS A&M UNIVERSITY, COMMERCE Commerce, TX	DE-FC02-09ER41588 11/30/2011 Bertulani	SC-26.1	Building a Universal Nuclear Energy Density Functional	48
TEXAS A&M UNIVERSITY, COMMERCE Commerce, TX	DE-FG02-08ER41533 01/14/2014 Bertulani	SC-26.1	Reactions With Rare Isotopes	60
TEXAS ENGRNG EXPERIMNT STATION College Station, TX	DE-FG02-11ER26063 08/31/2012 Taylor	SC-21.1	Programs for Increasing the Engagement of Underrepresented Ethnic Group and People with Disabilities in HPC	49
TEXAS ENGRNG EXPERIMNT STATION College Station, TX	DE-FG02-06ER15836 08/31/2012 Balbuena	SC-22.12	Modeling Catalyzed Growth of Single-Wall Carbon Nanotubes	106
TEXAS ENGRNG EXPERIMNT STATION College Station, TX	DE-FG02-00ER15034 01/31/2013 Datta-Gupta	SC-22.12	Time-Lapse Seismic Monitoring and Performance Assessment of CO2 Sequestration in Hydrocarbon Reservoirs	221
TEXAS ENGRNG EXPERIMNT STATION College Station, TX	DE-FG02-05ER15729 12/14/2012 Balbuena	SC-22.12	Theory-Guided Design of Nanoscale Multi-Metallic Catalysts For Fuel Cells	0
TEXAS ENGRNG EXPERIMNT STATION College Station, TX	DE-FG02-08ER64644 02/29/2012 Kaihatu	SC-23.1	Collaborative Proposal: Climate-Induced Changes in Hurricane Winds, Surge, and Risk to Electric Power Systems	0
TEXAS ENGRNG EXPERIMNT STATION College Station, TX	DE-FG02-11ER46828 08/14/2014 Shao	SC-22.22	Radiation Response of Low Dimensional Carbon Systems	286

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TEXAS TECH UNIVERSITY Lubbock, TX	DE-FG02-09ER46552 11/30/2014 Jiang	SC-22.22	Optical and Electrical Properties of III-Nitrides and Related Materials	158
TEXAS TECH UNIVERSITY Lubbock, TX	DE-FG02-09ER46638 09/14/2012 Lichti	SC-22.22	SISGR - MuSR Studies of Magnetic Semiconductors for Spintronics Applications	210
TEXAS TECH UNIVERSITY Lubbock, TX	DE-FG02-94ER14416 12/31/2011 Bartsch	SC-22.12	New Proton-Ionizable, Calixarene-Based Ligands for Selective Metal Ion Separations	125
TEXAS TECH UNIVERSITY Lubbock, TX	DE-FG02-99ER20346 08/31/2014 Knaff	SC-22.13	Ferredoxin-Dependent Plant Metabolic Pathways	370
TEXAS TECH UNIVERSITY Lubbock, TX	DE-FG02-09ER25889 08/31/2012 Long	SC-21.1	Quantifying Prediction Fidelity in Multiscale Multiphysics Simulations	76
TEXAS TECH UNIVERSITY Lubbock, TX	DE-FG02-95ER40938 02/28/2013 Wigmans	SC-25	Experimental Particle Physics Research	421
OF HEALTH SC. CTR. AT HOUSTON Houston, TX	DE-FG02-07ER15867 05/14/2012 Spudich	SC-22.13	Folding and Function of Proteorhodopsins in Photoenergy Transducing Membranes	0
HEALTH SC. CTR. AT SAN ANTONIO San Antonio, TX	DE-FG02-09ER64799 07/14/2012 Yuan	SC-23.2	The c-Abl Signaling Network in the Radio-Adaptive Response	440
UNIV. OF SOUTHWESTERN MED. CTR Dallas, TX	DE-FG02-09ER64789 06/30/2012 Boothman	SC-23.2	Low Dose IR Activation of TGF-Beta 1-IGF-1-sCLU In Vivo: Mechanisms, Functions of a Changing Microenvironment	600
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-11ER65338 09/14/2014 Jackson	SC-23.1	Collaborative Project: The Problem of Bias in Defining Uncertainty in Computationally Enabled Strategies for Data-Driven Climate	163
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-09ER64746 08/14/2012 Dickinson	SC-23.1	Systematic Development of a Subgrid Scaling Framework to Improve Land Simulation	321
TEXAS, UNIVERSITY OF Austin, TX	DE-FC02-11ER26052 08/31/2016 Ghattas	SC-21.1	Quantification of Uncertainty in Extreme Scale Computations (QUEST)	150
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-07ER15884 07/31/2013 Stanton	SC-22.11	Quantum Chemistry of Radicals and Reactive Intermediates	179
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-08ER25860 08/14/2012 Ghattas	SC-21.1	Large-Scale Optimization for Bayesian Inference in Complex Systems	0
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-09ER25914 08/31/2012 Ghattas	SC-21.1	Uncertainty Quantification for Large-Scale Ice Sheet Modeling and Simulation	303

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TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-04ER41321 04/30/2012 Shvets	SC-25	Investigations of the Plasma and Structure-Based Particle Accelerators	190
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-94ER40845 03/31/2012 Hoffmann	SC-26.1	Studies in High Energy Heavy Ion Nuclear Physics	700
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-93ER40757 04/30/2013 Ritchie, Lang, Schwitters, Kopp,	SC-25	Research in High Energy Physics	758
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-96ER40954 01/14/2014 Downer	SC-25	Laser Wakefield Acceleration: Channeling, Seeding, and Diagnostics	314
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-01ER15186 10/31/2013 Sessler	SC-22.12	Ion Pair Receptors: Fundamental Studies and Tests Involving Sulfate Anion and Thorium Cation Extraction	330
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-04ER15587 07/31/2012 Mullins	SC-22.12	Surface Chemical Studies of Gold Model Catalysts	145
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-04ER15496 11/14/2012 Katz	SC-22.12	Metal-Anion Pairing at Oxide/Water Interfaces: Theoretical and Experimental Investigations from the Nanoscale to the	88
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-05ER15746 11/14/2012 Vanden Bout	SC-22.13	Single Molecule Spectroscopic Studies of Charge Separation and Charge Transfer	185
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-02ER15362 01/15/2015 Freeman	SC-22.12	Fundamental Structure/Property Studies of Gas Separation Membrane Polymers	179
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-03ER15406 10/31/2013 Ditmire	SC-22.11	High Intensity Femtosecond XUV Pulse Interactions with Atomic Clusters	150
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-03ER15430 11/30/2012 Laubach	SC-22.12	Predicting Fracture Porosity Evolution In Sandstone	300
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-04ER25617 06/30/2014 Wheeler	SC-21.1	Modeling and Simulation of Coupled Complex Multiscale Subsurface Phenomena	177
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-05ER25701 06/14/2012 Oden	SC-21.1	Adaptive Multi-Scale Modeling Based on Goal Oriented Error Estimation and Control	301
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-11ER16228 04/30/2012 Rossky	SC-22.11	Support of the 2011 American Conference on Theoretical Chemistry, July 18-22, 2011	8
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-06ER15758 01/31/2012 Crooks	SC-22.12	Separations and Analysis using Bipolar Electrodes	151

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TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-09ER16036 07/31/2014 Pope	SC-22.21	Frontiers of Subsurface Energy Security -- EFRC	1,700
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-09ER16044 07/31/2014 Zhu	SC-22.11	RECOVERY ACT - Understanding Charge Separation and Transfer at Interfaces in Energy Materials and Devices (CST) -- EFRC	0
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-09ER16119 09/14/2012 Bard	SC-22.13	SISGR: Nano-Structured Electrocatalysts for Conversion of Solar Energy to Fuels	350
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-09ER16090 09/14/2012 Crooks	SC-22.12	SISGR: Correlation of Theory and Function in Well-Defined Bimetallic Electrocatalysts	316
TEXAS, UNIVERSITY OF Austin, TX	DE-FC02-11ER55106 08/31/2016 Berk	SC-24.2	Collaborative Research: Center for Nonlinear Simulation of Energetic Particles Burning Plasmas (CSEP)	145
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-11ER55109 08/31/2012 Van Dam	SC-24.2	IAEA Technical Meetings on Energetic Particles in Magnetic Confinement Systems and on Theory of Plasma Instabilities,	19
TEXAS, UNIVERSITY OF Austin, TX	DE-FC02-08ER54988 01/14/2012 Berk	SC-24.2	Center for Gyrokinetic/MHD Hybrid Simulation of Energetic Particle Physics in Toroidal Plasmas (CSEPP)	0
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-04ER54754 06/14/2014 Kotschenreuther	SC-24.2	Removing the Divertor Bottleneck in Magnetic Fusion Energy	150
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-04ER54766 05/14/2014 Gentle	SC-24.2	Collaborative Research: Magnetized Plasma Turbulence and Coupling to Bulk Flows	386
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-08ER64610 07/31/2012 Cook	SC-23.1	Influence of Atlantic SST Thresholds on Continental Climates: Development and Application of a Coupled	0
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-07ER54938 07/31/2013 Van Dam	SC-24.2	Activities of U.S. Burning Plasma Organization	237
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-07ER54945 07/31/2013 Downer	SC-24.2	Holographic Imaging of Evolving Laser-Plasma Structures	150
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-04ER54742 10/31/2012 Waelbroeck	SC-24.2	Institute for Fusion Studies	2,494
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-05ER54840 05/31/2012 Shvets	SC-24.2	Collective High-Current Beam Effects Relevant to Fast Ignition of Fusion Targets	43
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-96ER54373 03/31/2012 Gentle	SC-24.2	C-Mod Collaboration	362

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TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-97ER54415 03/31/2012 Gentle	SC-24.2	Proposed Diagnostics and Physics Contributions of the University of Texas Fusion Research Center to the DIII-D	440
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-09ER46673 08/31/2013 Zhu	SC-22.23	Extracting Hot Charge Carriers from Photoexcited Semiconductor Nanocrystals	210
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-09ER46657 09/14/2012 Ruoff	SC-22.23	SISGR - Improved Electrical Energy Storage With Electrochemical Double Layer Capacitance Based on Novel Carbon	453
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-09ER46609 08/31/2012 Chelikowsky	SC-22.22	TMS: Theory and Simulation of Defects in Oxide Materials	385
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-10ER46749 08/31/2013 Goodenough	SC-22.23	Materials and Interfacial Chemistry for Next-Generation Electrical Energy Storage	700
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-02ER45958 06/14/2014 MacDonald, Niu	SC-22.22	Geometric Phases and Topological Effects in Graphene and Magnetic Systems	205
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-07ER46377 05/31/2013 Shi	SC-22.22	Energy Transport in Graphene	150
EXAS, UNIVERSITY OF ARLINGTON Arlington, TX	DE-FG02-96ER40943 01/31/2014 White	SC-25	Research in Experimental Elementary Particle Physics	640
EXAS, UNIVERSITY OF ARLINGTON Arlington, TX	DE-FG02-09ER46597 08/14/2012 Tao	SC-22.23	Doping Cuprous Oxide in Electrolyte Solution: Dopant Incorporation, Atomic Structures and Electrical Properties	167
EXAS, UNIVERSITY OF ARLINGTON Arlington, TX	DE-FG02-11ER41759 08/31/2013 Brandt	SC-25	Advanced Detector Research: Electronics for a Picosecond Time-of-Flight Measurement	135
TEXAS, UNIVERSITY OF DALLAS Richardson, TX	DE-FG02-08ER46491 08/14/2013 Chabal	SC-22.23	Novel Theoretical and Experimental Approaches for Understanding and Optimizing Hydrogen-Sorbent Interactions	360
TEXAS, UNIVERSITY OF DALLAS Richardson, TX	DE-FG02-09ER55037 07/14/2012 Overzet	SC-24.2	Micro-Misted Plasmas	133
TEXAS, UNIVERSITY OF DALLAS Richardson, TX	DE-FG02-04ER41310 04/14/2013 Izen	SC-25	Elementary Particle Physics	365
TEXAS, UNIVERSITY OF EL PASO El Paso, TX	DE-FG02-09ER41599 12/31/2013 Incera	SC-26.1	Quark Matter Under Extreme Conditions	60
TEXAS, UNIVERSITY OF EL PASO El Paso, TX	DE-FG02-09ER25948 09/14/2012 Teller	SC-21.1	I/O Coordination to Improve HEC System Performance: A Marriage of Analytical Modeling, Control Theory, and	222

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2011
TEXAS, UNIVERSITY OF EL PASO El Paso, TX	DE-FG02-09ER16048 08/31/2012 Baruah	SC-22.11	Density Functional Based Tools for Simulation of Photo-Induced Charge Transfer	152
TEXAS, UNIVERSITY OF EL PASO El Paso, TX	DE-FG02-11ER16270 11/14/2014 Zope	SC-22.11	Density Functional Based Software for the X-Ray Based Spectra	100
TEXAS, UNIVERSITY OF EL PASO El Paso, TX	DE-FG02-11ER65159 08/31/2015 Robertson	SC-23.1	Collaborative Proposal: Improving Decadal Prediction of Arctic Climate Variability and Change Using a Regional Arctic System Model (RASM)	73
XAS, UNIVERSITY OF SAN ANTONIO San Antonio, TX	DE-FG02-09ER25946 09/14/2012 Yi	SC-21.1	A Multi-Language Environment for Programmable Code Optimization and Empirical Tuning	115
Total for TX :				37,441

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Listing of Active Awards for State (UT)

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2011
BRIGHAM YOUNG UNIVERSITY Provo, UT	DE-FG02-03ER15410 01/31/2013 Farnsworth	SC-22.12	Ion Production and Transport in Atmospheric Pressure Ion Source Mass Spectrometers	140
BRIGHAM YOUNG UNIVERSITY Provo, UT	DE-FG02-05ER15666 08/14/2014 Woodfield	SC-22.12	Energetics of Nanomaterials	330
GEOLOGICAL SURVEY, US, MOAB Moab, UT	DE-AI02-08ER64550 05/14/2013 Belnap	SC-23.1	Climate Change in Arid Lands: How Effects Differ Among Plant Functional Groups	327
UTAH STATE UNIVERSITY Logan, UT	DE-FG02-04ER54746 12/14/2012 Held	SC-24.2	Advanced Closures for Numerical Simulations of Plasmas	82
UTAH STATE UNIVERSITY Logan, UT	DE-FC02-05ER54812 02/28/2014 Held	SC-24.2	Plasma Science and Innovation Center (PSI-Center) at Washington, Wisconsin, and Utah State Universities	70
UTAH STATE UNIVERSITY Logan, UT	DE-FC02-08ER54973 02/14/2016 Held	SC-24.2	Center for Extended Magnetohydrodynamic Modeling	89
UTAH STATE UNIVERSITY Logan, UT	DE-FG02-10ER16162 06/14/2013 Evans	SC-22.12	Impact of Micro- to Meso-Scale Fractures on Sealing Behavior of Argillaceous Caprocks on Carbon Sequestration	199
UTAH, UNIVERSITY OF Salt Lake City, UT	DE-FG02-10ER16167 06/30/2013 Lighty	SC-22.11	Development of Kinetics for Soot Oxidation at High Pressures Under Fuel-Lean Conditions	159
UTAH, UNIVERSITY OF Salt Lake City, UT	DE-FG02-09ER16079 09/14/2012 Louie	SC-22.12	Harnessing the Chemistry of Carbon Dioxide	150
UTAH, UNIVERSITY OF Salt Lake City, UT	DE-FG02-99ER15003 02/28/2014 Anderson	SC-22.11	Model Catalysts by Size-Selected Cluster Deposition	158
UTAH, UNIVERSITY OF Salt Lake City, UT	DE-FG02-01ER15176 12/14/2013 Morse	SC-22.11	Spectroscopy of Organometallic Radicals	155
UTAH, UNIVERSITY OF Salt Lake City, UT	DE-FG02-03ER15404 05/31/2012 Armentrout	SC-22.11	Thermochemistry and Reactivity of Transition Metal Clusters and Their Oxides	145
UTAH, UNIVERSITY OF Salt Lake City, UT	DE-FG02-93ER14333 05/31/2014 Harris	SC-22.12	Analytical Spectroscopy Methods for Liquid/Solid Interfaces	294
UTAH, UNIVERSITY OF Salt Lake City, UT	DE-FG02-93ER14315 07/31/2014 Miller	SC-22.12	The Hydrophobic Character of Nonsulfide Mineral Surfaces as Influenced by Double-Bond Reactions of Adsorb of	310
UTAH, UNIVERSITY OF Salt Lake City, UT	DE-FC02-11ER26053 08/31/2016 Hall	SC-21.1	The Institute for Sustained Performance, Energy and Resilience (SUPER)	215

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands)
				FY 2011
UTAH, UNIVERSITY OF Salt Lake City, UT	DE-FC02-10ER25898 12/14/2012 Hall	SC-21.1	Performance Engineering Research Institutes	100
UTAH, UNIVERSITY OF Salt Lake City, UT	DE-FC02-08ER25865 09/14/2012 Sanderson	SC-21.1	Visualization and Analysis in Support of Fusion Science	0
UTAH, UNIVERSITY OF Salt Lake City, UT	DE-FC02-06ER25781 12/14/2012 Johnson	SC-21.1	Visualization and Analytics Center for Enabling Technologies	854
UTAH, UNIVERSITY OF Salt Lake City, UT	DE-FG02-09ER25950 09/14/2012 Pascucci	SC-21.1	Topology for Statistical Modeling of Petascale Data	130
UTAH, UNIVERSITY OF Salt Lake City, UT	DE-FG02-10ER25973 09/30/2012 Hall	SC-21.1	Compiler-Directed Automatic Performance Tuning	235
UTAH, UNIVERSITY OF Salt Lake City, UT	DE-FC02-06ER41446 09/14/2012 Detar	SC-25	SciDAC: National Computational Infrastructure for Lattice Gauge Theory	61
UTAH, UNIVERSITY OF Salt Lake City, UT	DE-FG02-98ER62571 02/28/2012 Mace	SC-23.1	The Coupling Between the Large Scale Atmospheric State and Cloud Properties: A Continuing Investigation with ARM Data	0
UTAH, UNIVERSITY OF Salt Lake City, UT	DE-FG02-08ER64553 05/14/2013 Krueger	SC-23.1	Interactions of Cumulus Convection and the Boundary Layer at the Southern Great Plains ACRF	0
UTAH, UNIVERSITY OF Salt Lake City, UT	DE-FG02-08ER64557 05/14/2012 Zipser	SC-23.1	Validation of Model Simulations of Anvil Cirrus Properties	39
UTAH, UNIVERSITY OF Salt Lake City, UT	DE-FG02-09ER46639 09/14/2012 Scarpulla	SC-22.22	SISGR - Fundamental Studies of Unconventional Sulfide Semiconductors for Cost- Effective and Environmentally Benign Thin Film Photovoltaics	300
UTAH, UNIVERSITY OF Salt Lake City, UT	DE-FG02-09ER46663 09/14/2012 Smith	SC-22.23	SISGR: The Influence of Electrolyte Structure and Electrode Morphology on the Performance of Ionic-Liquid Based	500
UTAH, UNIVERSITY OF Salt Lake City, UT	DE-FG02-09ER46568 07/14/2012 Boehme	SC-22.22	Coherent Control of Spin-States in Organic Electronics	185
UTAH, UNIVERSITY OF Salt Lake City, UT	DE-FG02-03ER46027 04/30/2013 Liu	SC-22.23	Group IV Nanomembranes, Nanoribbons, and Quantum Dots: Processing, Characterization, and Novel Devices	150
UTAH, UNIVERSITY OF Salt Lake City, UT	DE-FG02-93ER45504 12/31/2013 Miller	SC-22.23	Synthesis of Molecule/Polymer Based Magnetic Materials	237
UTAH, UNIVERSITY OF Salt Lake City, UT	DE-FG02-06ER46313 05/31/2013 Mishchenko	SC-22.22	Transport and Interactions in Chiral Electron Systems	110

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2011
UTAH, UNIVERSITY OF Salt Lake City, UT	DE-FG02-04ER46148 05/31/2013 Liu	SC-22.22	Classical and Quantum Stress Effects in Nano Thin Films and in Doping of Semiconductors	144
UTAH, UNIVERSITY OF Salt Lake City, UT	DE-FG02-04ER46109 11/14/2013 Vardeny	SC-22.23	Optical, Electrical and Magnetic Studies of pi-Conjugated Systems	210
UTAH, UNIVERSITY OF Salt Lake City, UT	DE-FG02-03ER46086 08/31/2012 Virkar	SC-22.22	Thermodynamic, Kinetic and Electrochemical Studies on Mixed Proton, Oxygen Ion and Electron (Hole) Conductors	158
UTAH, UNIVERSITY OF Salt Lake City, UT	DE-FG02-10ER65084 09/14/2013 Ehleringer	SC-23.1	Improving Representation of Drought Stress and Fire Emissions in Climate Carbon Models: Measurements and Modeling with a	349
UTAH, UNIVERSITY OF Salt Lake City, UT	DE-FG02-10ER64937 05/14/2012 Lazzi	SC-23.2	Artificial Retina Project: Electromagnetic and Thermal Effects	147
UTAH, UNIVERSITY OF Salt Lake City, UT	DE-FG02-11ER65235 09/14/2013 Mace	SC-23.1	Sparticus and Stormvex Science	93
UTAH, UNIVERSITY OF Salt Lake City, UT	DE-FG02-11ER65324 09/14/2014 Mace	SC-23.1	Development of Cloud and Precipitation Property Retrieval Algorithms and Measurement Simulators from ASR Data	200
UTAH, UNIVERSITY OF Salt Lake City, UT	DE-FG02-11ER65326 09/14/2014 Pu	SC-23.1	Retrieving 4-Dimensional Atmospheric Boundary Layer Structure from Surface Observations and Profiles Over a Single	77
Total for UT :				7,102

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2011
ATION FOR WOMEN IN MATHEMATICS Fairfax, VA	DE-FG02-07ER25822 03/31/2014 Manning	SC-21.1	Support for Recognition of Women and for Activities for Women in Mathematical Sciences at National Meetings	50
DEFENSE ADV RES PROJECT AGENCY Arlington, VA	DE-AI02-07ER25819 12/31/2012 Holland	SC-21.1	Cascade: High Productivity Adaptive Computing	0
GEORGE MASON UNIVERSITY Fairfax, VA	DE-FG02-09ER64773 06/14/2012 Boybeyi	SC-23.1	Assessment of the Indirect and Semi-Direct Aerosol Effects During ISDAC Through Integrated Observational and Modeling Studies	185
GEORGE MASON UNIVERSITY Fairfax, VA	DE-FG02-08ER64633 08/31/2012 DelSole	SC-23.1	Optimal Detection of Decadal Predictability	0
GEORGE MASON UNIVERSITY Fairfax, VA	DE-FG02-07ER46425 03/31/2012 Papaconstantopoulos	SC-22.22	Modeling of Complex Hydrides by First Principles, Tight-Binding and Kinetic Monte Carlo Approach	0
GEORGE MASON UNIVERSITY Fairfax, VA	DE-FG02-01ER45871 08/31/2014 Mishin	SC-22.22	Interfaces in Electronic and Structural Materials	129
GEORGE MASON UNIVERSITY Fairfax, VA	DE-FG02-09ER25886 08/14/2012 Nash	SC-21.1	Optimization Algorithms for Hierarchical Problems, with Application to Nanoporous Materials	160
HAMPTON UNIVERSITY Hampton, VA	DE-FG02-97ER41047 05/31/2012 Tang	SC-26.1	Selected Problems in Hypernuclear Physics	160
HAMPTON UNIVERSITY Hampton, VA	DE-FG02-04ER54793 07/31/2013 Punjabi	SC-24.2	Homoclinic Tangles in DIII-D Divertor Tokamak	147
HAMPTON UNIVERSITY Hampton, VA	DE-FG02-07ER54937 07/31/2012 Ali	SC-24.2	The Hampton University Undergraduate Research Experience in Fusion Science and Related Areas for Minority and Female	26
HAMPTON UNIVERSITY Hampton, VA	DE-FG02-01ER54624 04/14/2013 Ali	SC-24.2	The Problem of Heat Deposition on Divertor Tokamak	91
HAMPTON UNIVERSITY Hampton, VA	DE-FG02-87ER40380 03/31/2013 Keppel	SC-26.1	The Hampton University Graduate Studies (HUGS) Summer Program at Jefferson Lab	48
YPERV TECHNOLOGIES CORPORATION Chantilly, VA	DE-FG02-05ER54835 05/31/2012 Witherspoon	SC-24.2	Hybrid Kinetic/Fluid Simulations for Magnetized High Energy Density Plasma Studies	478
YPERV TECHNOLOGIES CORPORATION Chantilly, VA	DE-FG02-05ER54810 05/31/2012 Witherspoon	SC-24.2	Formation of Imploding Plasma Liners for HEDP and MIF Applications	600
AGEMENT ANALYSIS, INCORPORATED Vienna, VA	DE-AT02-11ER35922 09/30/2013 Smith	SC-46	Integrated Financial Management and Analysis Services - (FSS Contract: GS-23F-8056H)	239

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands)
				FY 2011
NASA - LANGLEY RESEARCH CENTER Hampton, VA	DE-AI02-11ER65301 09/14/2014 Ferrare	SC-23.1	Lidar Investigations of Aerosol, Cloud, and Boundary Layer Properties Over the ARM ACRF Sites	148
NASA - LANGLEY RESEARCH CENTER Hampton, VA	DE-AI02-11ER65234 08/31/2014 Xu	SC-23.1	Improving Boundary-Layer Turbulence and Cloud Processes in CAM with a Higher-Order Turbulence Closure Scheme and ASR Measurements	152
NASA - LANGLEY RESEARCH CENTER Hampton, VA	DE-AI02-11ER65225 08/31/2014 Hostetler	SC-23.1	Characterizing Aerosol Distributions, Types, and Optical and Microphysical Properties using the NASA Airborne High	199
NATIONAL SCIENCE FOUNDATION Arlington, VA	DE-AI02-98ER25365 09/14/2012 McDuffie	SC-21.1	Co-Sponsorship of the ITR&D Program	498
NATIONAL SCIENCE FOUNDATION Arlington, VA	DE-AI02-11ER35920 12/31/2011 Richardson	SC-1	Partial Support for The Global Science Forum	210
NATIONAL SCIENCE FOUNDATION Arlington, VA	DE-AI02-96ER45568 04/30/2012 Stolberg	SC-22.23	Pan American Advanced Studies Institute Program (PASI)	200
NATIONAL SCIENCE FOUNDATION Arlington, VA	DE-AI02-96ER45582 02/28/2014 Murillo	SC-22.23	Research Facilities at ChemMatCARS: A Synchrotron Resource for Chemistry and Materials Science at the Advanced Photon	240
NATIONAL SCIENCE FOUNDATION Arlington, VA	DE-AI02-04ER46143 07/14/2012 Roco	SC-22.22	National Nanotechnology Coordinating Office (NNCO)	637
NATIONAL SCIENCE FOUNDATION Arlington, VA	DE-AI02-02ER63425 10/31/2013 McCartney	SC-23.2	PDB Management by the Research Collaboratory for Structural Biology	600
NATIONAL SCIENCE FOUNDATION Arlington, VA	DE-AI02-96ER62250 05/14/2012 Stephens	SC-23.1	Support of Distributed Cost Activities of the U.S. Global Change Research Program	751
NORFOLK STATE UNIVERSITY Norfolk, VA	DE-FG02-89ER40525 06/30/2013 Punjabi	SC-26.1	Polarization Experiments with Electromagnetic Probes	110
ION UNIVERSITY RESEARCH FOUND. Norfolk, VA	DE-FG02-96ER54360 05/31/2013 Vahala	SC-24.2	Topics in Plasma Physics	10
ION UNIVERSITY RESEARCH FOUND. Norfolk, VA	DE-FG02-97ER41028 04/14/2012 Radyushkin	SC-26.1	Topics in Theoretical Nuclear Physics	143
ION UNIVERSITY RESEARCH FOUND. Norfolk, VA	DE-FG02-05ER54820 03/31/2012 Vahala	SC-24.2	EBW Physics of ECE in NSTX	0
ION UNIVERSITY RESEARCH FOUND. Norfolk, VA	DE-FG02-11ER41766 08/31/2014 Dudek	SC-26.1	Germany-U.S. Nuclear Theory Exchange Program for QCD Studies of Hadrons & Nuclei "GAUSTEQ"	35

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2011
ION UNIVERSITY RESEARCH FOUND. Norfolk, VA	DE-FG02-11ER41769 08/31/2014 Weinstein	SC-26.1	Short Distance Structure of Nuclei - Mining the Wealth of Existing Jefferson Lab Data	150
ION UNIVERSITY RESEARCH FOUND. Norfolk, VA	DE-FG02-11ER41749 07/14/2016 Dudek	SC-26.1	Meson Spectroscopy from QCD	150
ION UNIVERSITY RESEARCH FOUND. Norfolk, VA	DE-FG02-96ER40960 03/14/2014 Hyde, Weinstein, Dodge, Kuhn	SC-26.1	From Quarks to Nuclei	760
RICHMOND, UNIVERSITY OF Richmond, VA	DE-FG02-05ER41379 04/30/2014 Beausang	SC-26.1	Nuclear Structure Research at Richmond	50
RICHMOND, UNIVERSITY OF Richmond, VA	DE-FG02-09ER16063 02/28/2013 Parish	SC-22.11	A Theoretical Investigation of the Structure and Reactivity of the Molecular Constituents of Oil Sand and Oil Shale	86
RICHMOND, UNIVERSITY OF Richmond, VA	DE-FG02-96ER40980 05/31/2012 Gilfoyle	SC-26.1	Medium Energy Nuclear Physics at the University of Richmond	48
ROLLING BAY LLC Manassas, VA	DE-AC02-07ER35878 08/26/2012 Hughes	SC-45	Mission Specific IT Services	10,287
SOCIETY OF NUCLEAR MEDICINE Reston, VA	DE-FG02-10ER64958 04/30/2012 Wenzel-Lamb	SC-23.2	Support of Students for Radiochemistry Symposium, September 8-11, 2010	0
RGINIA COMMONWEALTH UNIVERSITY Richmond, VA	DE-FG02-11ER16213 06/30/2014 Khanna	SC-22.11	Magnetic and Tunable Band Gap Cluster Building Blocks for Novel Nanostructure Materials and Electron Transport through their Assemblies	127
RGINIA COMMONWEALTH UNIVERSITY Richmond, VA	DE-FG02-10ER16127 12/31/2012 Luzar	SC-22.11	Hydration Mechanisms in Nanoparticle Interaction and Surface Energetics	120
RGINIA COMMONWEALTH UNIVERSITY Richmond, VA	DE-FG02-11ER46827 08/14/2014 Jena	SC-22.22	Elucidation of Hydride Interaction Mechanisms with Carbon Nanostructures and the Formation of Novel Nanocomposites	75
RGINIA COMMONWEALTH UNIVERSITY Richmond, VA	DE-FG02-11ER46808 06/30/2012 Jena	SC-22.22	International Symposium on Clusters and Nanostructures, November 7-10, 2011	20
RGINIA COMMONWEALTH UNIVERSITY Richmond, VA	DE-FG02-96ER45579 08/31/2014 Jena	SC-22.22	Super Beyond Halogens & Beyond Clusters	202
RGINIA COMMONWEALTH UNIVERSITY Richmond, VA	DE-FG02-09ER46665 09/14/2012 El-Kaderi	SC-22.23	SISGR - Design and Synthesis of Chemically and Electronically Tunable Nanoporous Organic Polymers for Use in Hydrogen	190
A POLYTECHNIC INST AND ST UNIV Blacksburg, VA	DE-FG02-06ER46290 07/31/2012 Viehland	SC-22.22	Mesoscale Design of Interphase-Interfaces in Magnetoelectric Nanocomposites	216

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				FY 2011
A POLYTECHNIC INST AND ST UNIV Blacksburg, VA	DE-FG02-11ER41755 07/31/2012 Huber	SC-25	Sterile Neutrinos at the Crossroads Workshop, September 26-28, 2011	5
A POLYTECHNIC INST AND ST UNIV Blacksburg, VA	DE-FG02-08ER46532 04/30/2014 Heremans	SC-22.22	Spin-Coherent Transport Under Strong Spin-Orbit Interaction	100
A POLYTECHNIC INST AND ST UNIV Blacksburg, VA	DE-FG02-07ER46480 05/14/2014 Priya	SC-22.21	Correlation of Bulk Dielectric and Piezoelectric Properties to the Local Scale Phase Transformations, Domain	179
A POLYTECHNIC INST AND ST UNIV Blacksburg, VA	DE-FG02-09ER46613 08/14/2012 Tauber	SC-22.22	Driven Magnetic Flux Lines in Disordered Superconductors: Relaxation Towards Equilibrium and Nonequilibrium Stationary States	150
A POLYTECHNIC INST AND ST UNIV Blacksburg, VA	DE-FG02-07ER64449 07/31/2014 Beers	SC-23.2	Functional Interactomics: Determining the Roles Played by Members of the Popular Biomass Protein-Protein Interactome	994
A POLYTECHNIC INST AND ST UNIV Blacksburg, VA	DE-FG02-06ER15786 09/14/2012 Hochella	SC-22.12	Dissolution Rates and Sorption/Catalytic Reactivity of Nanominerals and Nanomineral Aggregates	155
A POLYTECHNIC INST AND ST UNIV Blacksburg, VA	DE-FG02-92ER40709 01/31/2013 Piilonen, Takeuchi	SC-25	Investigations in Experimental and Theoretical Particle Physics	486
A POLYTECHNIC INST AND ST UNIV Blacksburg, VA	DE-FG02-05ER15658 08/14/2014 Ross	SC-22.12	Energetics of Nanomaterials	80
A POLYTECHNIC INST AND ST UNIV Blacksburg, VA	DE-FG02-05ER15751 05/31/2014 Brewer	SC-22.13	Photoinitiated Electron Collection in Mixed-Metal Supramolecular Complexes: Development of Photocatalysts for Hydrogen	129
A POLYTECHNIC INST AND ST UNIV Blacksburg, VA	DE-FG02-96ER14669 12/14/2012 Oyama	SC-22.12	Molecular Understanding of Advanced Catalysis for Hydrodeoxygenation	150
A POLYTECHNIC INST AND ST UNIV Blacksburg, VA	DE-FG02-97ER14751 04/30/2012 Cox	SC-22.12	Hydrocarbon Dehydrogenation and Oxidation Over Model Metal Oxide Surfaces	155
A POLYTECHNIC INST AND ST UNIV Blacksburg, VA	DE-FG02-11ER65223 09/14/2012 Hochella	SC-23.1	Biotic Controls on Uranium Sequestration and Release by Framboidal Pyrite in Bioreduced Sediments	90
VIRGINIA, UNIVERSITY OF Charlottesville, VA	DE-FG02-11ER65347 09/14/2013 Keene	SC-23.1	Development of a Wind-Wave Air-Sea Interface Module to Quantify Heat, Mass & Momentum Transfer in the Atmospheric	62
VIRGINIA, UNIVERSITY OF Charlottesville, VA	DE-FG02-97ER14786 10/31/2012 Gallagher	SC-22.11	Studies of Autoionizing States Relevant to Dielectronic Recombination	148
VIRGINIA, UNIVERSITY OF Charlottesville, VA	DE-FG02-95ER14549 05/31/2012 Davis	SC-22.12	Structure and Function of Supported Base Catalysts	160

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2011
VIRGINIA, UNIVERSITY OF Charlottesville, VA	DE-FG02-00ER15053 11/30/2012 Jones	SC-22.11	Using Strong Optical Fields to Manipulate and Probe Coherent Molecular Dynamics	145
VIRGINIA, UNIVERSITY OF Charlottesville, VA	DE-FG02-09ER16080 09/14/2012 Yates	SC-22.12	Observing Carbon-Hydrogen Bond Activation in Chemisorbed Species Using a New Highly Sensitive Optical Method	200
VIRGINIA, UNIVERSITY OF Charlottesville, VA	DE-FG02-09ER16025 07/31/2012 Andrews	SC-22.12	Matrix Infrared Spectroscopic and Computational Investigations of Novel Small Uranium Containing Molecules	120
VIRGINIA, UNIVERSITY OF Charlottesville, VA	DE-FG02-09ER16014 12/31/2012 Gunnoe	SC-22.12	Development of Transition Metal Catalysts for the Functionalization of Carbon-Hydrogen Bonds: Fundamental Studies	145
VIRGINIA, UNIVERSITY OF Charlottesville, VA	DE-FG02-96ER40950 11/30/2013 Day, Crabb	SC-26.1	Electron Interactions with Nuclei	720
VIRGINIA, UNIVERSITY OF Charlottesville, VA	DE-FG02-03ER41240 05/31/2014 Liyanaage	SC-26.1	Deep Inelastic Scattering in the Nucleon Valence Quark Region for Precision Studies of Nucleon Spin Structure and for Parity	232
VIRGINIA, UNIVERSITY OF Charlottesville, VA	DE-FG02-01ER41168 03/31/2013 Cates	SC-26.1	Medium Energy Spin Physics with Lasers	520
VIRGINIA, UNIVERSITY OF Charlottesville, VA	DE-FG02-01ER41200 04/30/2013 Liuti	SC-26.1	Studies of Quantum Chromodynamics at the Intersection of the Perturbative and Non-Perturbative Regimes	95
VIRGINIA, UNIVERSITY OF Charlottesville, VA	DE-FG02-07ER41522 04/30/2012 Paschke	SC-26.1	Precision Electroweak Studies at Low Q ² using Parity-Violating Electron-Scattering	175
VIRGINIA, UNIVERSITY OF Charlottesville, VA	DE-FG02-07ER15894 02/14/2012 Neurock	SC-22.12	Theory Aided Design of Active and Durable Nanoscale Cathode Catalysts	0
VIRGINIA, UNIVERSITY OF Charlottesville, VA	DE-FG02-09ER25908 08/31/2012 Veeraraghavan	SC-21.1	Resource Optimization in Hybrid Core Networks With 10 G Systems	174
VIRGINIA, UNIVERSITY OF Charlottesville, VA	DE-FG02-97ER41027 04/15/2012 Thacker	SC-25	Experimental and Theoretical High Energy Physics Group (Tasks A, B, C, and D)	1,136
VIRGINIA, UNIVERSITY OF Charlottesville, VA	DE-FG02-97ER41025 05/31/2012 Norum	SC-26.1	Nuclear Studies with Intermediate Energy Probes	583
VIRGINIA, UNIVERSITY OF Charlottesville, VA	DE-FG02-09ER46582 07/31/2014 Gunnoe	SC-22.11	Center for Catalytic Hydrocarbon Functionalization -- EFRC	2,200
VIRGINIA, UNIVERSITY OF Charlottesville, VA	DE-FG02-01ER45927 06/14/2014 Louca	SC-22.21	Emergent Phenomena in Novel Materials and Functionality Control: Characterization at Multiple Length and Time Scales	220

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VIRGINIA, UNIVERSITY OF Charlottesville, VA	DE-FG02-07ER46384 05/31/2013 Lee	SC-22.21	Neutron Scattering Study of Unconventional Superconductors	199
WILLIAM AND MARY, COLLEGE OF Williamsburg, VA	DE-FG02-04ER41302 03/14/2013 Orginos, Detmold	SC-26.1	Topics in Theoretical Physics	136
WILLIAM AND MARY, COLLEGE OF Williamsburg, VA	DE-FG02-09ER41630 08/31/2012 Detmold	SC-26.1	Multi-Meson Systems in Lattice QCD	99
WILLIAM AND MARY, COLLEGE OF Williamsburg, VA	DE-FG02-11ER26044 08/14/2016 Shen	SC-21.1	Data Locality Enhancement of Dynamic Simulations for Exascale Computing	147
WILLIAM AND MARY, COLLEGE OF Williamsburg, VA	DE-FG02-09ER25885 08/14/2012 Lewis	SC-21.1	Optimization Algorithms for Hierarchical Problems, with Application to Nanoporous Materials	19
WILLIAM AND MARY, COLLEGE OF Williamsburg, VA	DE-FG02-09ER16046 08/31/2012 Krakauer	SC-22.11	Quantum Monte Carlo Calculations of Chemical Binding and Reactions	293
WILLIAM AND MARY, COLLEGE OF Williamsburg, VA	DE-FG02-07ER46366 04/30/2012 Krakauer	SC-22.22	Predictive Capability for Strongly Correlated Systems: Mott Transition in MnO, Multielectron Magnetic Moments, and	0
WILLIAM AND MARY, COLLEGE OF Williamsburg, VA	DE-FG02-04ER46127 04/14/2013 Luepke	SC-22.22	Time-Resolved Spectroscopy of Insulator-Metal Transitions: Exploring Low-Energy Dynamics in Strongly Correlated Systems	150
WILLIAM AND MARY, COLLEGE OF Williamsburg, VA	DE-FG02-96ER41003 02/14/2014 Griffioen, Averett	SC-26.1	Nucleon Structure Studies	423
WILLIAM AND MARY, COLLEGE OF Williamsburg, VA	DE-FG02-96ER54344 12/31/2012 Vahala	SC-24.2	Theoretical Plasma Physics	100
Total for VA :				30,001

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2011
SAINT MICHAELS COLLEGE Colchester, VT	DE-FG02-11ER55098 07/31/2014 Brizard	SC-24.2	Hamiltonian Formulations and Momentum Conservation Laws of Reduced Plasma Models	33
& ST AGRICULTURAL COL., U. OF Burlington, VT	DE-FG02-11ER65170 08/14/2016 Dunlop	SC-23.2	Engineering Robust Hosts for Microbial Biofuel Production	158
VERMONT, UNIVERSITY OF Burlington, VT	DE-FG02-07ER46380 05/31/2014 Headrick	SC-22.21	Fundamental Mechanisms of Roughening and Smoothing During Thin Film Deposition	182
Total for VT :				373

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2011
FORESIGHT SCIENCE & TECH, INC. Port Townsend, WA	DE-AD02-08ER12272 12/31/2011 Speser	SC-29	SBIR/STTR Commercialization Assistance Program	323
INSTITUTE FOR SYSTEMS BIOLOGY Seattle, WA	DE-FG02-10ER65031 08/14/2013 Baliga	SC-23.2	Enabling a Systems Biology Knowledgebase with Gaggle and Firegoose	499
MSNW, LLC Redmond, WA	DE-FG02-09ER55029 08/14/2012 Slough	SC-24.2	Foil Liner Compression of the FRC to Megagauss Fields	425
WASHINGTON STATE UNIVERSITY Pullman, WA	DE-FG02-07ER46386 05/31/2013 McCluskey	SC-22.22	Optical Properties of Doped ZnO Nanocrystals and Ceramics	151
WASHINGTON STATE UNIVERSITY Pullman, WA	DE-FG02-07ER46435 08/14/2013 Zbib	SC-22.22	Investigating Deformation and Failure Mechanisms in Nanoscale Multilayer Metallic Composites	185
WASHINGTON STATE UNIVERSITY Pullman, WA	DE-FG02-08ER64560 05/14/2012 Beyenal	SC-23.1	Microscale Metabolic, Redox and Abiotic Reactions in Hanford 300 Area Subsurface Sediments	0
WASHINGTON STATE UNIVERSITY Pullman, WA	DE-FG02-08ER64660 08/31/2012 Flury	SC-23.1	Long-Term Colloid Mobilization and Colloid-Facilitated Transport of Radionuclides in a Semi-Arid Vadose Zone	0
WASHINGTON STATE UNIVERSITY Pullman, WA	DE-FG02-09ER64901 08/31/2012 Gang	SC-23.2	Engineering Specialized Metabolism in a Single Cell Type	462
WASHINGTON STATE UNIVERSITY Pullman, WA	DE-FG02-10ER25983 05/14/2013 Vixie	SC-21.1	Geometric Analysis for Data Reduction and Structure Discovery	412
WASHINGTON STATE UNIVERSITY Pullman, WA	DE-FG02-06ER15820 12/14/2012 Hurst	SC-22.13	Membrane-Organized Chemical Photoredox Systems	130
WASHINGTON STATE UNIVERSITY Pullman, WA	DE-FG02-08ER15927 08/31/2012 Neff	SC-22.13	Biochemical and Molecular Genetic Analysis of the AT-hook Nuclear Localizing (AHL) Gene Family in Arabidopsis	120
WASHINGTON STATE UNIVERSITY Pullman, WA	DE-FG02-11ER26042 08/14/2016 Kalyanaraman	SC-21.1	Efficient Graph Kernels for Extreme Scale Analysis of Environmental Community Data	149
WASHINGTON STATE UNIVERSITY Pullman, WA	DE-FG02-09ER16062 08/14/2012 Cousins	SC-22.13	Disruption of C4 Photosynthesis by Changes in Light Quantity and Quality: Implications for CO2 Fixation and Photosynthetic Efficiency in C4 Crop and	170
WASHINGTON STATE UNIVERSITY Pullman, WA	DE-FG02-09ER16054 08/14/2012 Lange	SC-22.13	Unraveling the Regulation of Terpenoid Oil and Resin Biosynthesis for the Development of Biocrude Feedstocks	135
WASHINGTON STATE UNIVERSITY Pullman, WA	DE-FG02-09ER16098 09/14/2012 Clark	SC-22.12	SISGR - Origin of Actinide Ion Partitioning in Biphasic Systems	200

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands)
				FY 2011
WASHINGTON STATE UNIVERSITY Pullman, WA	DE-FG02-10ER16154 08/31/2013 Clark	SC-22.12	Controlling Actinide Hydration in Mixed Solvent Systems: Towards Tunable Solvent Systems to Close the Nuclear Fuel Cycle	150
WASHINGTON STATE UNIVERSITY Pullman, WA	DE-FG02-11ER16259 05/31/2012 Lewis	SC-22.13	Phytochemical Society of North American 50th Anniversary Meeting, 12/10/11 - 12/15/11	5
WASHINGTON STATE UNIVERSITY Pullman, WA	DE-FG02-99ER20323 03/14/2012 Browse	SC-22.13	Jasmonate Signaling and Stamen Development in Arabidopsis	165
WASHINGTON STATE UNIVERSITY Pullman, WA	DE-FG02-96ER20225 07/14/2014 Kahn	SC-22.13	The Rhizobial Nitrogen Stress Response and Effective Symbiotic Nitrogen Fixation	180
WASHINGTON STATE UNIVERSITY Pullman, WA	DE-FG02-96ER20216 08/31/2014 Okita	SC-22.13	Enhancement of Photoassimilate Utilization by Manipulation of Starch Regulatory Enzymes ADPglucose Pyrophosphorylase and	180
WASHINGTON STATE UNIVERSITY Pullman, WA	DE-FG02-97ER20259 01/31/2013 Lewis	SC-22.13	Lignin Biopolymer Assembly and Primary Structure: A (Bio)Chemical Characterization	160
WASHINGTON STATE UNIVERSITY Pullman, WA	DE-FG02-04ER15618 07/31/2012 Dickinson	SC-22.12	Laser Material Interactions Relevant to Analytic Spectroscopy of Wide Band Gap Materials	0
WASHINGTON, UNIV OF, SEATTLE Seattle, WA	DE-FG02-05ER15709 08/31/2014 Leigh	SC-22.13	Electron flow and energy conservation in a hydrogenotrophic methanogen	180
WASHINGTON, UNIV OF, SEATTLE Seattle, WA	DE-FG02-96ER14630 03/14/2014 Campbell	SC-22.12	Supported Metal Nanoparticles: Correlating Catalytic Kinetics, Energetics and Surface Structure	215
WASHINGTON, UNIV OF, SEATTLE Seattle, WA	DE-FG02-11ER16248 11/14/2014 Li	SC-22.11	Time-Dependent Density Functional Theory: Introducing First-Principles Electron Friction in Time-Domain	90
WASHINGTON, UNIV OF, SEATTLE Seattle, WA	DE-FG02-09ER16105 09/14/2012 Khalil	SC-22.11	SISGR - Correlating Electronic and Nuclear Motions During Photoinduced Charge Transfer Processes using Multidimensional	280
WASHINGTON, UNIV OF, SEATTLE Seattle, WA	DE-FG02-09ER16106 09/14/2012 Seidler	SC-22.11	SISGR - New Scientific Opportunities Through Inelastic X-Ray Scattering at 3rd-and 4th-Generation Light Sources (*)	164
WASHINGTON, UNIV OF, SEATTLE Seattle, WA	DE-FC02-07ER41457 11/30/2011 Bulgac	SC-26.1	Low-Energy Nuclear Physics National HPC Initiative: Building a Universal Nuclear Energy Density Functional	224
WASHINGTON, UNIV OF, SEATTLE Seattle, WA	DE-FG02-96ER40956 03/31/2014 Nelson, Wilkes, Yaffe	SC-25	Theoretical and Experimental Particle Physics	1,313
WASHINGTON, UNIV OF, SEATTLE Seattle, WA	DE-FG02-09ER64767 06/14/2012 Marchand	SC-23.1	Atmospheric Classification for the Analysis of ARM Observations and Global Climate Models	167

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands)
				FY 2011
WASHINGTON, UNIV OF, SEATTLE Seattle, WA	DE-FG02-09ER64769 06/14/2012 Fu	SC-23.1	Radiative Energy Balance in the Tropical Tropopause Layer: An Investigation with ARM DATA	146
WASHINGTON, UNIV OF, SEATTLE Seattle, WA	DE-FG02-09ER64833 08/31/2012 Wood	SC-23.1	Clouds, Aerosol, and Precipitation in the Marine Boundary Layer: Analysis of Results from the ARM Mobile Facility Deployment to	0
WASHINGTON, UNIV OF, SEATTLE Seattle, WA	DE-FG02-08ER64589 07/14/2012 Lettenmaier	SC-23.1	Susceptibility of Colorado River Basin to Megadroughts in a Warming Climate	0
WASHINGTON, UNIV OF, SEATTLE Seattle, WA	DE-FG02-04ER54756 12/31/2012 Shumlak	SC-24.2	The ZaP Flow Z-Pinch Project	122
WASHINGTON, UNIV OF, SEATTLE Seattle, WA	DE-FG02-11ER55090 08/14/2014 Raman	SC-24.2	Disruption Mitigation Studies in NSTX in Support of ITER and Future STs Using Massive Gas Injection	33
WASHINGTON, UNIV OF, SEATTLE Seattle, WA	DE-FG02-99ER54519 03/14/2014 Jarboe	SC-24.2	Solenoid Free Current Initiation and Sustainment by Coaxial Helicity Injection	303
WASHINGTON, UNIV OF, SEATTLE Seattle, WA	DE-FG02-97ER41020 11/30/2011 Robertson	SC-26.1	Experimental Nuclear Physics	3,766
WASHINGTON, UNIV OF, SEATTLE Seattle, WA	DE-FG02-97ER41014 10/31/2014 Miller	SC-26.1	Theoretical Nuclear Physics	785
WASHINGTON, UNIV OF, SEATTLE Seattle, WA	DE-FG02-98ER54480 07/14/2012 Steinhauer	SC-24.2	Theory of Field-Reversed Configurations	95
WASHINGTON, UNIV OF, SEATTLE Seattle, WA	DE-FG02-96ER54361 05/31/2014 Jarboe	SC-24.2	Helicity Injected Torus (HIT) Current Drive Program	1,045
WASHINGTON, UNIV OF, SEATTLE Seattle, WA	DE-FG02-96ER54376 01/31/2013 Hoffman, Vlases, Milroy	SC-24.2	High Flux FRC Facility for the Stability, Confinement and ITER Divertor Studies	310
WASHINGTON, UNIV OF, SEATTLE Seattle, WA	DE-FG02-04ER54769 06/14/2012 Slough	SC-24.2	Small Scale Fusion: The Pulsed High Density FRC Experiment	320
WASHINGTON, UNIV OF, SEATTLE Seattle, WA	DE-FC02-05ER54811 02/28/2014 Jarboe	SC-24.2	Plasma Science and Innovation Center (PSI Center) at Washington, Wisconsin, and Utah State	982
WASHINGTON, UNIV OF, SEATTLE Seattle, WA	DE-FC02-10ER55073 03/14/2016 Glasser	SC-24.2	Center for Extended Magnetohydrodynamic Modeling	97
WASHINGTON, UNIV OF, SEATTLE Seattle, WA	DE-FG02-09ER55034 08/14/2012 Smith	SC-24.2	Internal Field, Density and Temperature Measurements in Magnetized Target Fusion Plasmas Using Pulsed Polarimetry	202

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2011
WASHINGTON, UNIV OF, SEATTLE Seattle, WA	DE-FG02-07ER46467 05/31/2013 Jenekhe	SC-22.23	Molecular and Nanoscale Engineering of High Efficiency Exciton Solar Cells	380
WASHINGTON, UNIV OF, SEATTLE Seattle, WA	DE-FG02-09ER46653 09/14/2012 Cobden	SC-22.21	SISGR - Intrinsic Properties of Correlated Materials Derived From Combined Nanoscale Transport and Ultrafast Spatio-Temporal Imaging Experiments	398
WASHINGTON, UNIV OF, SEATTLE Seattle, WA	DE-FG02-10ER46702 05/31/2013 Pozzo	SC-22.21	Self-Assembly of Conjugated Polymer Networks: A Neutron Scattering Study	166
WASHINGTON, UNIV OF, SEATTLE Seattle, WA	DE-FG02-02ER45990 07/14/2012 Rehr	SC-22.22	Computational Materials and Chemical Sciences Network Administration	21
WASHINGTON, UNIV OF, SEATTLE Seattle, WA	DE-FG02-97ER45623 02/14/2015 Rehr	SC-22.22	Next Generation Photon and Electron Spectroscopy Theory	150
WASHINGTON, UNIV OF, SEATTLE Seattle, WA	DE-FG02-11ER41765 08/31/2014 Rosenberg	SC-25	The Phase II Upgrade of the Axion Dark-Matter Experiment (ADMX)	1,275
WASHINGTON, UNIV OF, SEATTLE Seattle, WA	DE-FG02-11ER65362 09/14/2014 MacCready	SC-23.1	Collaborative Project: Improving the Representation of Coastal and Estuarine Processes in Earth System Models	97
WASHINGTON, UNIV OF, SEATTLE Seattle, WA	DE-FG02-09ER64778 06/30/2012 Ackerman	SC-23.1	Evaluating and Improving Cloud Processes in the Multi-Scale Modeling Framework	174
WASHINGTON, UNIV OF, SEATTLE Seattle, WA	DE-FG02-09ER64752 05/14/2012 Houze	SC-23.1	Use of ARM Observations and Numerical Models to Determine Radiative and Latent Heating Profiles of Mesoscale Convective	127
WASHINGTON, UNIV OF, SEATTLE Seattle, WA	DE-FG02-00ER41132 02/28/2014 Kaplan	SC-26.1	Institute for Nuclear Theory	2,655
WASHINGTON, UNIV OF, SEATTLE Seattle, WA	DE-FG02-11ER65226 09/14/2014 Wood	SC-23.1	Analysis of Data and Development of VAPs from the AMF Azores Deployments to Understand Cloud-Aerosol-Precipitation	142
WASHINGTON, UNIV OF, SEATTLE Seattle, WA	DE-FG02-11ER65269 08/31/2014 Lidstrom	SC-23.2	Systems Biology Approach to Metabolic Integration in Methylobacterium Exorquens AM1	551
WASHINGTON, UNIV OF, SEATTLE Seattle, WA	DE-FG02-11ER65270 08/31/2014 Stahl	SC-23.2	Archaeal Influence on Nitrogen Transformations in Soil and Root Systems of Bioenergy Crop Species	734
WASHINGTON, UNIV OF, SEATTLE Seattle, WA	DE-FG02-11ER65318 09/14/2014 Thornton	SC-23.1	Connecting Organic Aerosol Climate-Relevant Properties to Chemical Mechanisms of Sources and Processing	61
WASHINGTON, UNIV OF, SEATTLE Seattle, WA	DE-FG02-10ER64972 05/31/2013 Lidstrom	SC-23.2	Systems Level Insights into Alternate Methane Cycling Modes in a Freshwater Lake via Community Transcriptomics,	594

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WASHINGTON, UNIV OF, SEATTLE Seattle, WA	DE-FG02-11ER65152 04/14/2014 Thornton	SC-23.1	COLLABORATIVE RESEARCH: Study of Aerosol Sources and Processing at the GVAX Pantnagar Supersite	130
WASHINGTON, UNIV OF, SEATTLE Seattle, WA	DE-FG02-11ER65161 08/31/2015 Lettenmaier	SC-23.1	Collaborative Proposal: Improving Decadal Prediction of Arctic Climate Variability and Change Using a Regional Arctic System	254
YAHSGS, LLC Richland, WA	DE-AC02-09ER41625 07/31/2013 Yuracko	SC-26.2	Isotope Program Support Services Requirement for Strategic Planning, Measurement and Analysis, and Quality, Productivity, and Operational Improvement.	150
Total for WA :				23,099

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands)
				FY 2011
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FG02-96ER54375 11/30/2013 Fonck, Hegna, Corradini	SC-24.2	Non-Solenoidal Startup and Stability Limits at Near-Unity Aspect Ratio	1,404
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FG02-99ER54513 10/31/2013 Sawan, Mogahed, Sviatoslavsky,	SC-24.2	Nuclear Technologies for Near Term Fusion Devices	215
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FG02-98ER54462 12/31/2012 El-Guebaly, Henderson, Haynes, Kulcinski	SC-24.2	Fusion Advanced Design Studies	327
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FG02-97ER54437 09/14/2012 Hershkowitz	SC-24.2	Laboratory Measurements of Bohm Presheaths: Experimental Check of Many of the Predicted Properties	185
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FG02-92ER54139 04/30/2014 Callen	SC-24.2	Large Experiment Data Analysis Collaboration	173
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FG02-93ER54222 01/31/2014 Anderson	SC-24.2	HSX: A Helicallly Symmetric Toroidal Experiment	1,613
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FG02-11ER46800 07/14/2016 Arnold	SC-22.23	Templated Bottom-Up Synthesis of Semiconducting and Nanostructured Graphene Materials	150
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FG02-86ER53218 12/31/2012 Hegna	SC-24.2	Nonlinear and Nonideal MHD	276
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FG02-89ER53291 12/14/2011 Terry	SC-24.2	Turbulence and Transport in Toroidal Plasmas	155
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FG02-89ER53296 12/31/2012 Fonck, McKee	SC-24.2	Multifield Fluctuation Diagnostics Development for Nonlinear Instability Studies in Fusion-Grade Toroidal Plasmas	450
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FG02-11ER46832 03/14/2013 Himpsel	SC-22.21	Design of Molecular Solar Cells via Feedback from Soft X-Ray Spectroscopy	180
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FG02-85ER53212 11/30/2013 Terry	SC-24.2	Theoretical Studies Related to Reversed Field Pinch Physics	191
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FG02-85ER52122 12/31/2014 Vernon	SC-24.2	High Power Microwave Transmission and Mode Conversion Program	0
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FG02-09ER55049 08/14/2012 Boldyrev	SC-24.2	Study of Nonlinear Interaction and Turbulence of Alfven Waves in LAPD Experiments	59
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FG02-04ER54751 05/31/2012 Santarius	SC-24.2	Investigation of Converging Plasma-Jet Compression and Magno-Inertial Fusion Burn Dynamics	71

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				FY 2011
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FG02-07ER54939 07/31/2013 Hegna	SC-24.2	Communication Support for U.S. Burning Plasma Organization	87
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FG02-09ER55014 06/14/2012 McKee	SC-24.2	Investigations of Long-Wavelength Turbulence Properties in the Spherical Torus Configuration	238
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FC02-05ER54813 02/28/2014 Sovinec	SC-24.2	Plasma Science and Innovation Center (PSI-Center) at Washington, Wisconsin, and Utah State Universities	105
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FC02-05ER54814 12/14/2014 Sarff	SC-24.2	Reversed Field Pinch Research in MST	6,231
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FG02-05ER54821 03/14/2014 Pfothenhauer	SC-24.2	Cryogenic Optimization of D2 Pellet Injectors: Preparation for ITER-Scale Fusion Reactors	75
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FG02-05ER54831 07/14/2013 Forest	SC-24.2	Liquid Metal Studies of Dynamos	250
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FG02-04ER54745 02/14/2013 Santarius	SC-24.2	Atomic Physics Effects on Spherically Convergent, Child-Langmuir Ion Flow Between Nearly Transparent Electrodes	68
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FG02-06ER54868 06/30/2014 Schnack	SC-24.2	Transport and Dynamics in Toroidal Fusion Systems	160
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FG02-06ER54850 04/30/2012 Sovinec	SC-24.2	Transients and Magnetic Relaxation in Innovative Confinement Concepts	100
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FG02-11ER55091 07/14/2016 Volpe	SC-24.2	Physics and Control of Locked Modes in the DIII-D Tokamak	150
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FG02-11ER55086 05/14/2014 Hegna	SC-24.2	Targeted Optimization of Quasisymmetric Stellarators	300
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FG02-11ER55089 07/31/2014 Fonck	SC-24.2	Test of Point-Source Helicity Injection for Non-Solenoidal Startup in NSTX	165
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FC02-08ER54974 02/14/2016 Schnack	SC-24.2	SciDAC: Center for Extended Magnetohydrodynamic Modeling/Transport and Dynamics in Toroidal Fusion Systems	105
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FC02-08ER54975 02/14/2016 Sovinec	SC-24.2	Center for Extended Magnetohydrodynamic Modeling	142
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FG02-08ER54999 07/31/2014 McKee	SC-24.2	Behavior and Multifield Dynamics of Tokamak Turbulence and Instabilities	205

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SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FG02-99ER54546 12/31/2013 Hegna	SC-24.2	Theoretical Studies of Near Symmetric Stellarator Plasmas	142
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FG02-01ER54619 01/14/2014 Shaing	SC-24.2	Neoclassical Theory and its Applications	160
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FC02-07ER64494 11/30/2012 Donohue	SC-23.2	Great Lakes Bioenergy Research Center	24,373
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FG02-07ER64495 09/14/2012 Noguera	SC-23.2	Networks Impacting Solar-Powered Hydrogen Production	0
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FG02-06ER64167 12/14/2012 Tobin, Turner	SC-23.1	Evaluating Radiative Closure in the Middle-to-Upper Troposphere	170
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FG02-09ER64840 08/14/2012 Bennartz	SC-23.1	Next Generation Aerosol-Cloud Microphysics for Advanced High-Resolution Climate Predictions	0
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FG02-04ER46147 05/31/2013 Evans	SC-22.21	Dynamics and Extreme Conditions in Complex Oxide Heterostructures	196
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FG02-06ER46327 07/31/2013 Eom	SC-22.22	Atomic Layer Controlled Growth of Pnictide Thin Film Heterostructures by Design	200
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FG02-99ER45777 07/31/2012 Voyles	SC-22.21	Stability and Novel Properties of Magnetic Materials and Ferromagnet/Insulator Interfaces	147
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FG02-03ER46028 04/30/2013 Lagally	SC-22.23	Group IV Nanomembranes, Nanoribbons, and Quantum Dots: Processing Characterization, and Novel Devices	470
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FG02-11ER41746 07/14/2012 Shiu	SC-25	String Phenomenology 2011: The Tenth Annual Meeting on Strong Phenomenology, August 22-26, 2011	5
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FG02-08ER46547 04/30/2012 Voyles	SC-22.21	Characterization of Dopant / Point Defect Complexes in Semiconductors by STEM	220
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FG02-09ER46590 05/31/2013 Gopalan	SC-22.23	Optical and Electro-Optic Modulation of Biomimetically-Functionalized Nanotubes	285
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FG02-08ER46493 06/14/2014 Szlufarska	SC-22.22	Radiation Effects in Nanocrystalline Ceramics: Multi-Scale Model and Experiment	238
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FG02-09ER46642 09/14/2012 Ediger	SC-22.22	SISGR - Characterization of High Density/High Stability Glasses	146

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				FY 2011
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FG02-09ER46664 09/14/2012 Jin	SC-22.23	SISGR: Fundamental Studies of Charge Transfer in Quantum Confined Nanostructure Heterojunctions and Applications to Solar Energy Conversion	650
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FG02-10ER46692 03/31/2013 de Pablo	SC-22.23	Functional, Hierarchical Colloidal Liquid Crystal Gels and Liquid Crystal Elastomers Nanocomposites	250
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FG02-09ER16050 07/31/2012 Xu	SC-22.12	Interface Induced Carbonate Mineralization: A Fundamental Geochemical Process Relevant to Carbon Sequestration	79
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FG02-09ER16059 08/31/2012 Schmidt	SC-22.11	Modeling Carbon Dioxide Capture and Separation in Zeolitic Imidazolate Frameworks	94
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FG02-09ER16122 09/14/2012 Hamers	SC-22.13	SISGR - Ultra-Stable Molecule-Surface Architectures at Metal Oxides: Structure, Bonding, and Electron-Transfer Processes	200
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FG02-09ER16110 09/14/2012 Skinner	SC-22.11	SISGR - Water Dynamics in Heterogeneous and Confined Environments: Salt Solutions, Reverse Micelles, and Lipid Multi-Bilayers	200
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FG02-10ER16204 09/14/2013 Berry	SC-22.12	Metal-Metal Bonded Reaction Intermediates in C-H Functionalization	155
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FG02-11ER16208 01/31/2012 Casey	SC-22.11	Support for Chemistry Symposia at the 2011 American Association for the Advancement of Science Meeting February 17-21, 2011	23
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FG02-04ER25627 08/31/2012 Mitchell	SC-21.1	BACTER: Bringing Advanced Computational Techniques to Environmental Research	0
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FC02-06ER25756 09/14/2012 Livny	SC-21.1	A Center for Enabling Distributed Petascale Science	0
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FG02-88ER13968 04/14/2013 Vierstra	SC-22.13	Molecular Dissection of the Arabidopsis Holo-26S Proteasome	180
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FG02-88ER13938 06/30/2012 Sussman	SC-22.13	Molecular Mechanism of Energy Transduction by Plant Membrane Proteins	129
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FG02-86ER13500 10/14/2012 Crim	SC-22.11	Vibrations and Conical Intersections in Electronically Excited Molecules and Complexes	175
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FG02-84ER13183 06/30/2014 Dumesic	SC-22.12	Fundamental Studies of the Reforming of Oxygenated Compounds Over Supported Metal Catalysts	175
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FG02-93ER14389 03/31/2013 Valley	SC-22.12	Ion Microprobe Analysis of Oxygen and Silicon Isotope Ratios in Diagenetic Cements	256

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Information Management for Office of Science (IMSC)
Listing of Active Awards for State (WI)

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands)
				FY 2011
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FG02-05ER15731 07/14/2014 Mavrikakis	SC-22.12	Atomic-Scale Design of Metal and Metal Alloy Catalysts: A Combined Theoretical and Experimental Approach	240
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FG02-04ER15527 05/31/2013 Spalding	SC-22.13	Amino Acid-Sensing Ion Channels in Plants	170
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FG02-02ER15342 08/31/2012 Bent	SC-22.13	Dissection and Manipulation of LRR Domains in Plant Disease Resistance Receptors	100
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FG02-05ER15690 11/14/2014 Stahl, Brunold	SC-22.12	Copper-Catalyzed Aerobic Oxidation of Arenes and Alcohols	155
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FG02-08ER25861 08/14/2012 Linderoth	SC-21.1	Next-Generation Solvers for Mixed-Integer Nonlinear Programs: Structure, Search, and Implementation	0
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FC02-07ER25802 11/14/2012 Miller	SC-21.1	SciCET: Center for Scalable-Performance Application Development Software	135
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FG02-08ER25842 08/14/2012 Miller	SC-21.1	A Path to Operating System and Runtime Support for Extreme Scale Tools	0
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FG02-10ER25972 01/31/2013 Miller	SC-21.1	Tools for the Development of High-Performance Energy Applications and Systems	283
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FG02-10ER25940 12/14/2012 Miller	SC-21.1	Foundational Tools for Petascale Computing	144
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FG02-09ER25945 09/14/2012 Miller	SC-21.1	Lightweight and Statistical Techniques for Petascale Debugging	83
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FG02-09ER25937 09/14/2012 Miller	SC-21.1	Correctness Tools for Petascale Computing	109
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FG02-09ER25934 09/14/2012 Miller	SC-21.1	Building a Community Infrastructure for Scalable On-Line Performance Analysis Tools Around Open Speedshop	79
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FG02-08ER41551 01/31/2012 Heeger	SC-26.1	OJI: Measurement of Neutrino Properties With Bolometric Detectors	0
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FG02-08ER41531 10/31/2013 Ramsey-Musolf	SC-26.1	Fundamental Interactions in Nuclei	325
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FG02-95ER40896 10/31/2013 Smith	SC-25	High Energy Physics Research: Experimental, Theoretical, Phenomenology, Mathematical	3,833

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Listing of Active Awards for State (WI)

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2011
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FG02-06ER41436 03/31/2012 Livny	SC-25	SciDAC: Sustaining and Extending the Open Science Grid: Science Innovation on a PetaScale Nationwide Facility	822
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FG02-07ER15899 08/31/2013 Gilbert	SC-22.12	Phase Transitions and Crystalline Orientations in Marine Invertebrate Skeletons: Key Insight into Biomineral	225
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FG02-11ER65174 08/31/2014 Ralph	SC-23.2	Development of Crucial Tools for Lignin Research	645
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FG02-11ER65325 09/14/2014 Eloranta	SC-23.1	Combined High Spectral Resolution Lidar and Millimeter Wavelength Radar Measurement of Ice Crystal Precipitation	179
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FG02-11ER65271 08/31/2014 Hammel	SC-23.2	Biodegradative Oxidant Production by Fungi in Lignocellulose: In Situ Mapping and Relationship to Gene Expression	333
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FG02-09ER64754 11/14/2012 Roden	SC-23.1	Physiological Models of Microbial Redox Metabolism in Uranium(VI)-Contaminated Subsurface Sediments	263
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FG02-08ER64593 07/31/2012 Liu	SC-23.1	A Collaborative Proposal: Simulating and Understanding Abrupt Climate-Ecosystem Changes During Holocene With NCAR-CCSM3	0
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FG02-09ER64858 08/31/2012 Xu	SC-23.1	The Role of Nanopores on U(VI) Sorption and Redox Behavior in U(VI)-Contaminated Subsurface Sediments	0
SCONSIN, UNIVERSITY OF MADISON Madison, WI	DE-FG02-11ER65342 09/14/2014 Liu	SC-23.1	Collaborative Project: Development of an Isotope-Enabled CESM for Testing Abrupt Climate Changes	147
ONSIN, UNIVERSITY OF MILWAUKEE Milwaukee, WI	DE-FG02-11ER65355 09/14/2014 Larson	SC-23.1	Collaborative Project: Physics and Dynamics Coupling Across Scales in the Next Generation CESM: Meeting the	99
ONSIN, UNIVERSITY OF MILWAUKEE Milwaukee, WI	DE-FG02-09ER16085 08/31/2012 Saldin	SC-22.13	Fluctuation X-Ray Diffraction of Membrane Proteins	120
ONSIN, UNIVERSITY OF MILWAUKEE Milwaukee, WI	DE-FG02-09ER16114 09/14/2012 Ourmazd	SC-22.11	SISGR - Structure From Fleeting Illumination of Faint Spinning Objects in Flight	149
ONSIN, UNIVERSITY OF MILWAUKEE Milwaukee, WI	DE-FG02-05ER46228 08/14/2012 Li	SC-22.21	Tailoring Magnetism in Epitaxial Graphene on SiC	185
ONSIN, UNIVERSITY OF MILWAUKEE Milwaukee, WI	DE-FG02-07ER64382 03/31/2012 Saffarini	SC-23.2	Integrated Genome-Based Studies of Shewanella Ecophysiology	0
XANTHO TECHNOLOGIES, LLC Madison, WI	DE-FG02-11ER55087 04/30/2013 Demers	SC-24.2	HIBP Applications to Advance Understanding of Plasma Transport Physics	304

Total for WI :

52,275

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Information Management for Office of Science (IMSC)
Listing of Active Awards for State (WV)

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2011
VIRGINIA UNIVERSITY RES. CORP. Morgantown, WV	DE-FG02-10ER16164 05/31/2013 Lewis	SC-22.11	Computational Design of Metal Organic Frameworks for Photocatalytic Reduction of Carbon-Dioxide	46
VIRGINIA UNIVERSITY RES. CORP. Morgantown, WV	DE-FG02-06ER46299 07/31/2013 Bajura	SC-22.21	Direct Utilization of Coal Syngas in High Temperature Fuel Cells: Debradation Mechanisms and Lifetime Predictions	350
VIRGINIA UNIVERSITY RES. CORP. Morgantown, WV	DE-FG02-10ER46714 07/14/2013 Scime	SC-22.21	Two Photon Absorption Laser Induced Fluorescence for Neutral Hydrogen Profile Measurements	15
VIRGINIA UNIVERSITY RES. CORP. Morgantown, WV	DE-FG02-09ER46615 08/14/2012 Nix	SC-22.21	Experimental Investigation of Turbine Vane Heat Transfer for Alternative Fuels	15
VIRGINIA UNIVERSITY RES. CORP. Morgantown, WV	DE-FG02-08ER46505 06/30/2012 DiFazio	SC-22.21	Land Reclamation for Bioenergy: Genomics of Adaptation of Populus to Marginal Sites	0
VIRGINIA UNIVERSITY RES. CORP. Morgantown, WV	DE-FG02-08ER46507 06/30/2012 Lederman	SC-22.21	Hydrogen Absorption in Pd-Based Nanostructures	0
Total for WV :				426

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Information Management for Office of Science (IMSC)
Listing of Active Awards for State (WY)

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2011
WYOMING, UNIVERSITY OF Laramie, WY	DE-FG02-10ER46708 06/30/2013 Lewis	SC-22.21	X-Ray Diffraction and Neutron Scattering Structural Analysis of Natural and Synthetic Spider Silk Fibers	15
WYOMING, UNIVERSITY OF Laramie, WY	DE-FG02-10ER46728 08/14/2013 Parish	SC-22.21	Wyoming DOE EPSCoR: Quantum Dot Sensitized Solar Cells Based on Ternary Metal Oxide Nanowires	25
WYOMING, UNIVERSITY OF Laramie, WY	DE-FG02-08ER15979 11/30/2011 Roddick	SC-22.13	Highly Oxidizing Excited States	75
WYOMING, UNIVERSITY OF Laramie, WY	DE-FG02-08ER15972 08/31/2014 Parkinson	SC-22.13	Combinatorial Discovery and Optimization of the Composition, Doping and Morphology of New Oxide Semiconductors for Efficient Photoelectrochemical Water Splittin	60
WYOMING, UNIVERSITY OF Laramie, WY	DE-FG02-11ER16255 08/31/2014 Parkinson	SC-22.13	Studies of Photoinduced Electron Transfer from Dyes, Polymers and Quantum Confined Systems into Semiconducting Single	249
WYOMING, UNIVERSITY OF Laramie, WY	DE-FG02-10ER26029 08/31/2013 Ginting	SC-21.1	Enabling Predictive Simulation and UQ of Complex Multiphysics PDE Systems by the Development of Goal-Oriented Variational Sensitivity Analysis and A-Posteriori	24
WYOMING, UNIVERSITY OF Laramie, WY	DE-FG02-11ER65327 09/14/2014 Wang	SC-23.1	Improving Mixed-phase Cloud Parameterization in Climate Model with the ACRF Measurements	178
WYOMING, UNIVERSITY OF Laramie, WY	DE-FG02-11ER65201 09/14/2014 Pendall	SC-23.1	Direct, Indirect and Interactive Effects of Warming and Elevated CO2 on Grassland Carbon Metabolism	345
Total for WY :				971
Grand Total:				879,222