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Information Management for Office of Science (IMSC)

Listing of Awards for State (AK)

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
ALASKA, UNIVERSITY OF Fairbanks, AK	DE-FG02-08ER64598 07/31/2011 Walter	SC-23.1	Quantifying Climate Feedbacks from Abrupt Changes in High-Latitude Trace-Gas Emissions	30
ALASKA, UNIVERSITY OF Fairbanks, AK	DE-FG02-09ER64725 01/14/2012 Winsor	SC-23.1	Abrupt Climate Change and the Atlantic Meridional Overturning Circulation - Sensitivity and Non-Linear Response to	185
ALASKA, UNIVERSITY OF Fairbanks, AK	DE-FG02-09ER46628 08/14/2012 Zhang	SC-22.21	Novel Dense Membranes for Hydrogen Separation for Energy Applications	419
ALASKA, UNIVERSITY OF Fairbanks, AK	DE-FG02-09ER46629 08/14/2012 Bhatt	SC-22.21	Characterization of the Dynamics of Climate Systems and Identification of Missing Mechanisms Impacting Global	420
ALASKA, UNIVERSITY OF Fairbanks, AK	DE-FG02-08ER46502 06/30/2011 Deal	SC-22.21	Influence of Sea Ice on Arctic Marine Sulfur Biogeochemistry in the Community Climate System Model	11
ALASKA, UNIVERSITY OF 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	160
Total for AK :				1,225

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Listing of Awards for State (AL)

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
ALABAMA, UNIVERSITY OF Huntsville, AL	DE-FG02-05ER46187 11/30/2008 McNider	SC-22.21	Radiative Effects of Hygroscopic Aerosols in the Stable Nocturnal Boundary Layer, with Implications for Climate Trends	0
ALABAMA, UNIVERSITY OF Huntsville, AL	DE-FG02-06ER46268 05/15/2009 Cassibry	SC-22.21	Theoretical Investigation of Plasma Jets Driven Magneto-Inertial Fusion Using Smooth Particle Hydrodynamics	0
ALABAMA, UNIVERSITY OF Tuscaloosa, AL	DE-FG02-08ER46499 06/14/2011 LeClair	SC-22.21	Exchange Interactions in Epitaxial Intermetallic Layered Systems	15
ALABAMA, UNIVERSITY OF Tuscaloosa, AL	DE-FG02-08ER46537 08/31/2011 Gupta	SC-22.23	Protein-Templated Synthesis and Assembly of Visible-Light-Driven Semiconductor Nano-Architectures for Efficient Hydrogen	220
ALABAMA, UNIVERSITY OF Tuscaloosa, AL	DE-FG02-09ER46630 08/14/2012 Steadman	SC-22.21	Nanostructure-Enhanced Phase Change Materials (NEPCM) and HRD Coordination	1,220
ALABAMA, UNIVERSITY OF Tuscaloosa, AL	DE-FG02-86ER13465 01/14/2013 Kispert	SC-22.13	Magnetic Resonance and Optical Spectroscopic Studies of Carotenoids	140
ALABAMA, UNIVERSITY OF 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	47
ALABAMA, UNIVERSITY OF Tuscaloosa, AL	DE-FG02-07ER15840 11/30/2010 Dixon	SC-22.12	The Impact of Carbonate on Surface Protonation, Electron Transfer and Crystallization Reactions in Iron Oxide	62
ALABAMA, UNIVERSITY OF Tuscaloosa, AL	DE-FG02-01ER41166 03/14/2010 Piepke	SC-26.1	Low Energy Neutrino Physics	245
ALABAMA, UNIVERSITY OF Tuscaloosa, AL	DE-FG02-96ER40967 04/14/2011 Busenitz	SC-25	RECOVERY ACT: Research in Neutrino Physics	386
ALABAMA, UNIVERSITY OF Tuscaloosa, AL	DE-FG02-09ER64896 09/14/2012 Sobecky	SC-23.1	Uranium Biomineralization by Natural Microbial Phosphatase Activities in the Subsurface	106
AUBURN UNIVERSITY Auburn University, AL	DE-FG02-01ER15187 08/31/2009 Illies	SC-22.12	Structure-Property Relationships in Novel Actinide Compounds with Heavy Oxoanions	0
AUBURN UNIVERSITY Auburn University, AL	DE-FG02-00ER15069 01/31/2012 Robicheaux	SC-22.11	Coherent and Incoherent Transitions	80
AUBURN UNIVERSITY Auburn University, AL	DE-FG02-07ER46357 01/31/2010 Landers	SC-22.21	Detailed Investigations of Interactions Between Ionizing Radiation and Neutral Gases	149
AUBURN UNIVERSITY Auburn University, AL	DE-FG02-08ER46497 06/14/2011 Fergus	SC-22.21	Effect of SOFC Interconnect-Coating Interactions on Coating Properties and Performance	15

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
AUBURN UNIVERSITY Auburn University, AL	DE-FG02-03ER54692 10/31/2011 Hanson	SC-24.2	Equilibrium Reconstruction and Magnetic Field Studies in Stellarators	114
AUBURN UNIVERSITY Auburn University, AL	DE-FG02-00ER54610 11/30/2010 Knowlton	SC-24.2	RECOVERY ACT: MHD Equilibrium and Stability Studies of Current-Carrying Plasmas in the Compact Toroidal Hybrid	573
AUBURN UNIVERSITY Auburn University, AL	DE-FG02-00ER54577 10/31/2010 Thomas	SC-24.2	RECOVERY ACT - Multi-Scale Investigation of Sheared Flows in Magnetized Plasmas	108
AUBURN UNIVERSITY Auburn University, AL	DE-FG02-96ER54348 12/31/2010 Pindzola	SC-24.2	Theoretical Atomic and Molecular Physics for Controlled Fusion Energy	113
AUBURN UNIVERSITY Auburn University, AL	DE-FG02-07ER54930 07/14/2009 Boivin	SC-24.2	Wave Evolution and Ion Heating Processes in Beam-Plasma Experiments	0
AUBURN UNIVERSITY Auburn University, AL	DE-FG02-05ER54819 09/14/2011 Pindzola	SC-24.2	Computational Atomic and Molecular Physics for Transport Modeling of Fusion Plasmas	189
AUBURN UNIVERSITY Auburn University, AL	DE-FG02-06ER64213 12/31/2009 Clement	SC-23.1	Development of Modeling Methods and Tools for Predicting Coupled Reactive Transport Processes in Porous Media Under Multiple	0
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	306
SOUTH ALABAMA, UNIVERSITY OF Mobile, AL	DE-FG02-96ER40970 04/14/2012 Jenkins	SC-25	RECOVERY ACT: Experimental High Energy Physics Group	70
Total for AL :				4,158

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 Listing of Awards for State (AR)

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
ARKANSAS, UNIVERSITY OF Fayetteville, AR	DE-FG02-09ER46612 08/14/2012 Bellaiche	SC-22.22	Properties of Multiferroic Nanostructures From First Principles	300
ARKANSAS, UNIVERSITY OF Fayetteville, AR	DE-FG02-01ER15161 08/14/2010 Henry	SC-22.13	Protein Targeting to the Chloroplast Thylakoid Membrane: Structure and Function of a Targeting Complex	159
ARKANSAS, UNIVERSITY OF Little Rock, AR	DE-FG02-07ER64328 12/14/2010 Gaffney	SC-23.1	Natural Radionuclides and Isotopic Signatures for Determining Carbonaceous Aerosol Sources, Aerosol Lifetimes, and Washout Processes	225
ARKANSAS, UNIVERSITY OF Little Rock, AR	DE-FG02-07ER64329 12/14/2010 Marley	SC-23.1	Aerosol Absorption and Scattering Measurements: Field Measurements and Laboratory Characterizations	200
Total for AR :				884

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Listing of Awards for State (AZ)

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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	102
ARIZONA STATE UNIVERSITY Tempe, AZ	DE-FG02-07ER64475 08/31/2010 Marchant	SC-23.2	Mechanisms for Transnational Coordination and Harmonization of Nanotechnology Governance in Support of Bioenergy	108
ARIZONA STATE UNIVERSITY Tempe, AZ	DE-FG02-05ER46257 08/31/2011 Friesen	SC-22.22	A Surface Stress Paradigm for Studying Catalyst and Storage Materials Relevant to the Hydrogen Economy	100
ARIZONA STATE UNIVERSITY Tempe, AZ	DE-FG02-04ER46168 06/30/2011 McCartney	SC-22.21	Nanoscale Imaging of Electrostatic and Magnetic Fields	130
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-FG02-06ER46345 08/14/2010 Drucker	SC-22.23	Science of Nanowire Epitaxy	157
ARIZONA STATE UNIVERSITY Tempe, AZ	DE-FG02-07ER46442 08/14/2010 Sharma	SC-22.21	In Situ Characterization of the Nanoscale Catalysis During Anodic Redox Process	190
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	200
ARIZONA STATE UNIVERSITY Tempe, AZ	DE-FG02-01ER45943 03/14/2011 Tao	SC-22.22	Electrical, Mechanical and Thermal Properties of Single Molecules	150
ARIZONA STATE UNIVERSITY Tempe, AZ	DE-FG02-09ER16037 07/31/2014 Gust	SC-22.11	RECOVERY ACT - EFR Center for Bio-Inspired Solar Fuel Production -- EFR	14,020
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 Inactivation of CO2 Assimilation	250
ARIZONA STATE UNIVERSITY Tempe, AZ	DE-FG02-99ER20349 09/14/2009 Webber	SC-22.13	Excitation energy transfer in the photosystem I	0
ARIZONA STATE UNIVERSITY Tempe, AZ	DE-FG02-09ER25871 01/31/2010 Ahn	SC-21.1	Secure Information Sharing Within a Collaboratory Environment	100
ARIZONA STATE UNIVERSITY Tempe, AZ	DE-FG02-07ER15908 08/31/2010 Gould	SC-22.13	Dynamical Arrest, Structural Disorder, and Optimization of Organic Photovoltaic Devices	130
ARIZONA STATE UNIVERSITY Tempe, AZ	DE-FG02-04ER15543 05/31/2011 Vermaas	SC-22.13	Chlorophyll Synthesis and Stability in Cyanobacteria	165

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
ARIZONA STATE UNIVERSITY Tempe, AZ	DE-FG02-04ER15603 01/31/2011 Steimle	SC-22.1	Generation, Detection and Characterization of Gas-Phase Transition Metal Containing Molecules	135
ARIZONA STATE UNIVERSITY Tempe, AZ	DE-FG02-03ER15393 02/14/2013 Gust, Moore, Moore	SC-22.13	Supramolecular Structures for Photochemical Energy Conversion	85
ARIZONA, UNIVERSITY OF Tucson, AZ	DE-FG02-03ER15438 07/31/2010 Yadegari	SC-22.13	Analysis of the Composition and Function of the Arbidopsis FIS2 Polycom-Group Complex	0
ARIZONA, UNIVERSITY OF Tucson, AZ	DE-FG02-04ER15596 01/14/2010 Wysocki	SC-22.12	Linear and Nonlinear Spectroscopic Probing of Solute Interactions with Chemically Modified Silica Surfaces	0
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 08/31/2011 Armstrong	SC-22.13	"Electronically Wired" Semiconductor Nanoparticles: Toward Vectoral Electron Transport in Hybrid Materials	160
ARIZONA, UNIVERSITY OF Tucson, AZ	DE-FG02-96ER20242 03/31/2011 Larkins	SC-22.13	Molecular Genetic Studies of Genes Influencing Maize Endosperm Development	165
ARIZONA, UNIVERSITY OF Tucson, AZ	DE-FG02-99ER20338 09/14/2011 Vierling	SC-22.13	Hsp100/ClpB Chaperone Function and Mechanism	165
ARIZONA, UNIVERSITY OF Tucson, AZ	DE-FG02-09ER16040 07/31/2014 Armstrong	SC-22.13	RECOVERY ACT - Center for Interface Science: Hybrid Solar-Electric Materials (CIS:HSEM) -- EFRC	13,000
ARIZONA, UNIVERSITY OF Tucson, AZ	DE-FG02-93ER45488 10/31/2010 Falco	SC-22.22	Nanostructured Magnetic Materials	104
ARIZONA, UNIVERSITY OF Tucson, AZ	DE-FG02-04ER41298 01/31/2010 Rutherford, Sarcevic, Toussaint	SC-25	University of Arizona High Energy Physics Program	1,183
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
ARIZONA, UNIVERSITY OF Tucson, AZ	DE-FG02-04ER41338 07/31/2010 van Kolck	SC-26.1	Effective Theories of the Strong Interaction	125
ARIZONA, UNIVERSITY OF Tucson, AZ	DE-FC02-06ER41439 03/14/2011 Toussaint	SC-25	SciDAC - National Computational Infrastructure for Lattice Gauge Theory	54

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ARIZONA, UNIVERSITY OF Tucson, AZ	DE-FG02-06ER41449 05/14/2011 Fleming	SC-26.1	Effective Field Theories and Strong Interactions	120
ARIZONA, UNIVERSITY OF Tucson, AZ	DE-FG02-07ER46369 04/30/2010 Corrales	SC-22.22	Multiscale Simulation of Thermo-Mechanical Processes in Irradiated Fission-Reactor Materials	25
ARIZONA, UNIVERSITY OF Tucson, AZ	DE-FG02-09ER46559 02/28/2013 Zhang	SC-22.22	Theoretical Investigation of Magnetization Dynamics at Elevated Temperatures	92
ARIZONA, UNIVERSITY OF Tucson, AZ	DE-FG02-06ER64190 01/31/2010 Chorover	SC-23.1	Coupling Sorption to Soil Weathering During Reactive Transport: Impacts of Mineral Transformation and Sorbate Aging	0
ARIZONA, UNIVERSITY OF Tucson, AZ	DE-FG02-09ER64838 08/14/2011 Dominguez	SC-23.1	Hydrologic Extremes in a Changing Climate: How Much Information can Regional Climate Models Provide?	381
ARIZONA, UNIVERSITY OF Tucson, AZ	DE-FG02-08ER64616 08/14/2011 Chorover	SC-23.1	Release of Aged Contaminants from Weathered Sediments: Effects of Sorbate Speciation on Scaling of Reactive	84
NORTHERN ARIZONA UNIVERSITY Flagstaff, AZ	DE-FC02-06ER64159 11/30/2010 Hungate	SC-23.1	Western Regional Center of the National Institute for Climatic Change Research	1,754
Total for AZ :				33,942

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FG02-07ER64410 12/31/2009 Goddard	SC-23.1	Developing Highly Sensitive Micro-Biosensors for In-Situ Monitoring Mercury & Chromium(IV) Contaminants by	210
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FG02-07ER64484 08/31/2010 Leadbetter	SC-23.2	Massively Parallel, Microfluidics-Enabled Single Cell Analysis of Lignocellulose Conversion by Termite Hindgut Microbes	378
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FG02-06ER64310 08/31/2010 Fink	SC-23.2	Blind Patient-in-the-loop Optimization of Electrical Stimulation Patterns for Retinal Implant Electrode Arrays	150
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FG02-05ER63983 12/31/2010 Seinfeld	SC-23.1	Mechanisms of Formation of Secondary Organic Aerosols and Implications for Global Radiative Forcing	200
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FG02-09ER46573 07/31/2014 Atwater	SC-22.22	Light-Material Interactions in Energy Conversion -- EFRC	2,096
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FG02-04ER54755 01/31/2011 Bellan	SC-24.2	Determining How Spheromak Self-Organization Works	325
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FC02-05ER54849 01/14/2011 Cumings	SC-24.2	SciDAC - Center for Plasma Edge Simulation	110
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FG02-08ER54948 12/31/2008 Cumings	SC-24.2	Global Field Aligned Mesh and Gyrokinetic Field Solver in a Tokamak Edge Geometry	0
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-FG02-99ER45766 08/14/2011 Eisenstein	SC-22.22	Thermal Transport in Correlated Low Dimensional Electrons Systems	150
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	105
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FG02-08ER41559 03/15/2011 Newman	SC-25	R.A. : US LHCNet:Transatlantic Networking for the LHC & the US HEP Community; EVO: A Global-Scale Networked Infrastructure for Collaboration by the LHC & the HEP....	3,280
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FG02-07ER41481 07/14/2011 Golwala	SC-25	DUSEL R&D: BetaCage: A Screener of Ultra-Low-Level Radioactive Surface Contamination	0
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FG02-07ER46405 08/31/2010 Atwater	SC-22.22	Plasmonic Photovoltaics	150
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FG02-03ER46055 07/14/2012 Fultz	SC-22.21	Vibrational Thermodynamics of Materials	143

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FG02-04ER46175 01/14/2011 Heath	SC-22.23	Quantum Dot and Quantum Wire Solids	166
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FG02-06ER25725 03/31/2010 Hou	SC-21.1	Multiscale Analysis and Computation for Flows in Heterogeneous Media	0
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FG02-09ER16107 09/14/2012 Bellan	SC-22.11	SISGR - Modeling Reactions in High-Pressure Turbulence in the Cold Ignition Regime	125
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FG02-88ER40397 12/31/2010 McKeown	SC-26.1	Study of Nuclei and Elementary Particles at Low and Intermediate Energies	248
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FG02-92ER40701 10/31/2010 Hitlin	SC-25	RECOVERY ACT: High Energy Physics	3,975
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FG02-08ER15933 03/14/2011 Grubbs	SC-22.12	The Generation of Efficient Supported (Heterogeneous) Olefin Metathesis Catalysts	150
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FG02-05ER15754 05/31/2011 Lewis	SC-22.13	Sunlight-Driven Hydrogen Formation by Membrane-Supported Photoelectrochemical Water Splitting	240
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FG02-06ER15773 04/30/2011 Stolper	SC-22.12	Experimental Petrology and Geochemistry of Volatile-Bearing Silicate Melts	0
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-FG02-03ER15483 02/14/2010 Lewis	SC-22.13	Chemical Control over the Electrical Properties of GaAs and Zn3P2 Semiconductor Surfaces and Photoelectrodes	190
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FG02-97ER14814 11/14/2010 McKoy	SC-22.11	Electron-Driven Processes in Polyatomic Molecules	125
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FG02-85ER13431 11/30/2012 Bercau	SC-22.12	Synthetic and Mechanistic Investigation of Polymerization Catalyzed for Early Transition Metal Compounds	0
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	190
IA ST. U DOMINGUEZ HILLS FNDTN 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. EAST BAY Hayward, CA	DE-FG02-05ER15657 04/30/2010 Balasubramanian	SC-22.11	Electronic Structure of Transition Metal Clusters and Actinide Complexes	110

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
CALIFORNIA ST. UNIV. FULLERTON Fullerton, CA	DE-FG02-04ER15597 01/31/2012 Feagin	SC-22.11	Reaction Imaging and the Molecular Coulomb Continuum	96
CALIFORNIA ST. UNIV. L. BEACH Long Beach, CA	DE-FG02-09ER64856 08/31/2011 Becker	SC-23.1	Validation of Hydraulic Tomography and Tracer Testing Using Ground Penetrating Radar	73
CALIFORNIA ST. UNIV. LA Los Angeles, CA	DE-FG02-02ER45981 08/14/2009 Rezayi	SC-22.22	Numerical Studies of Collective Phenomena in Two-Dimensional Electron and Cold Atom Systems	0
CALIFORNIA ST. UNIV. N. RIDGE Northridge, CA	DE-FC02-06ER25791 09/14/2011 Lu	SC-21.1	Hierarchical Petascale Simulation Framework for Stress Corrosion Cracking	88
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	0
RNIA ST. UNIV., FOUND. FOR THE San Bernardino, CA	DE-FG02-09CH11561 06/30/2010 Carlson	SC-23	Reaching for the Stars - California State University San Bernardino Observatory Project	554
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FC02-06ER41453 03/14/2011 McKee	SC-25	SciDAC: Supernovae, Gamma Ray Bursts, and Nucleosynthesis	250
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-08ER41563 08/31/2010 Filippenko	SC-25	Discovering the Nature of Dark Energy: Towards Better Distances from Type Ia Supernovae	20
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-04ER41289 09/14/2011 Wurtele	SC-25	Advanced Accelerator Concepts	283
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-04ER41304 12/14/2012 Crawford	SC-26.1	Investigation of Nuclear Partonic Structure	351
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FC02-09ER55053 09/14/2014 Wirth	SC-24.2	RECOVERY ACT - PSI Plasma Center: Bridging the PSI Knowledge Gaps - A Multiscale Approach	1,476
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-03ER63592 09/14/2009 Coates	SC-23.1	Uranium Immobilization Through Fe(II) Bio-oxidation: A Column Study	0
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-06ER54904 07/31/2012 Fajans	SC-24.2	RECOVERY ACT - Collaborative Research: Experimental and Theoretical Study of the Plasma Physics of Antihydrogen Generation	360
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-04ER54750 07/31/2010 Wirth	SC-24.2	A Multiscale Investigation of the Mechanisms Controlling Materials Degradation in the Fusion Energy Environment	164
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-09ER46594 05/31/2013 Schaffer	SC-22.23	Engineering the Interface Between Inorganic Materials and Cells	140

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CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FC02-07ER25799 11/14/2011 Yelick	SC-21.1	Institute for Scalable Application Development Software: Proposal for a SciDAC Institute	135
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-08ER25849 07/14/2011 Kubiatowicz	SC-21.1	Operating Systems Support for Advanced Programming Languages	311
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FC02-06ER25753 09/14/2011 Yelick	SC-21.1	Center for Programming Models for Scalable Parallel Computing	433
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FC02-06ER25786 09/14/2011 Demmel	SC-21.1	Towards Optimal Petascale Simulations (TOPS)	80
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-09ER16034 07/31/2014 Smit	SC-22.12	Center for Gas Separations Relevant to Clean Energy Technologies -- EFRC	1,430
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-09ER16051 06/30/2010 Raymond	SC-22.12	Support for Students and Young Scientists to Participate in the 2009 Actinides Conference - July 12-17, 2009	10
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	0
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-04ER15552 06/30/2010 Luan	SC-22.13	Immunophilins in Photosystem II Assembly and Maintenance	160
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-05ER15696 08/14/2011 Katz	SC-22.12	Controlling Selectivity of Heterogeneous Catalysts Using Grafted Metallocalixarene Active Sites	150
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-09ER16008 02/14/2011 Somerville	SC-22.13	Regulation of Cellulose Synthesis	452
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-08ER15992 08/31/2010 Banfield	SC-22.12	Nanoparticulate Iron Oxyhydroxide Controls on Aqueous Redox Chemistry and Microbial Species Distribution and Activity in Natural Environments.	0
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-87ER13742 06/30/2010 Quail	SC-22.13	Phytochrome from Green Plants: Properties and Biological Function	0
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-03ER15418 05/14/2009 Wenk	SC-22.12	Diffusion/Dispersion Transport of Chemically Reacting Species	0
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-09ER64867 08/14/2011 Fung	SC-23.1	Modeling Diurnal Variations of California Land Biosphere CO2 Fluxes	570
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-09ER64870 07/14/2010 Banfield	SC-23.2	2nd CRISOR Research Conference, July 23-25, 2009	15

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CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-09ER64721 12/14/2010 Somerville	SC-23.2	Development of Proteoglycan Chip for Plant Glycomics	121
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-08ER64555 05/31/2011 Firestone	SC-23.1	Trajectories of Microbial Community Function in Response to Accelerated Remediation of Subsurface Metal Contaminants	257
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-08ER64588 07/31/2011 Chiang	SC-23.1	The Interhemispheric Pattern in 20th Century and Future Abrupt Change in Regional Tropical Rainfall	133
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-05ER64134 08/31/2010 Banfield	SC-23.2	Proteogenomic Approaches for the Molecular Characterization of Natural Microbial Communities	850
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-06ER64308 08/31/2010 Baldocchi	SC-23.1	Quantifying & Understanding Interannual Variability of Carbon, Water, and Energy Exchange of an Oak Savanna & an Annual	224
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-07ER64505 08/31/2010 Banfield	SC-23.2	Development of Proteogenomic Approaches to Analyze the Role of Virus-Microbe Interactions in Shaping Natural Microbial Communities	299
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-07ER64486 06/30/2009 Rabinow	SC-23.2	Ethics and Synthetic Geonomics: Bioenergy Collaboration	0
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-07ER64436 07/14/2011 Fung	SC-23.1	Carbon Data Assimilation With a Coupled Ensemble Kalman Filter	194
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-07ER64390 03/14/2011 Coates	SC-23.1	Anaerobic, Bio-Oxidation of Uraninite (U(IV))	478
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-07ER64403 05/31/2010 Ginn	SC-23.1	Field Investigation of Microbially Facilitated Calcite Precipitation for Immobilization of Strontium-90 & Other Trace Metals in the Subsurface	82
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-07ER64481 02/28/2011 Bennett	SC-23.2	Intellectual Property and U.S. Public Investments in Research on Biofuel Technologies	46
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-08ER64530 04/14/2011 Wexler	SC-23.1	Process Models of the Equilibrium Size & State of Organic/Inorganic Aerosols for the Development of Large Scale Atmospheric Models & the Analysis of Field Data	122
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-07ER64341 12/14/2010 Rocke, Goldberg	SC-23.2	Genome-Wide Evaluation of Normal Human Tissue in Response to Controlled, In Vivo Low-Dose Low LET Ionizing Radiation	309
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-04ER63912 08/31/2010 Six	SC-23.1	Physico-Chemical and Bio-Chemical Controls on Soil C Saturation Behavior	124
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-09ER64720 11/30/2009 Potter	SC-23.1	The Program for Climate Model Diagnosis and Intercomparison: 20th Anniversary Symposium (Spring 2009)	47

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CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-08ER64693 09/14/2011 Meeks	SC-23.2	System Level Approaches to Understanding and Manipulating Heterocyst Differentiation in Nostoc Punctiforme	300
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-09ER64871 09/14/2011 Qi	SC-23.2	A Simultaneous PET and Fluorescence Optical Tomography Imaging System for Small Animals	599
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-09ER64889 09/14/2011 Louie	SC-23.2	Multimodal Nanomaterials for PET/MRI Optical Imaging	600
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-09ER64821 08/31/2012 Sutcliffe	SC-23.2	CARE California Alliance for Radiotracer Education	583
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-09ER64832 08/31/2011 Zhang	SC-23.1	Integrated Analyses of Multiple Worldwide Aerosol Mass Spectrometer Datasets for Improved Understanding of Aerosol Sources & Processes & for Comparison...	164
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	183
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-03ER15405 06/30/2010 Theg	SC-22.13	Energetics and Mechanisms of Protein Transport Across Chloroplast Membranes	160
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-03ER15392 06/30/2010 Harada	SC-22.13	Regulation of Embryonic Development in Higher Plants	0
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-02ER15315 10/31/2011 Orel	SC-22.11	Electron-Driven Excitation and Dissociation of Molecules	95
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-02ER15306 05/31/2011 Ng	SC-22.11	Determination of Accurate Energetic and Spectroscopic Database for Combustion Radicals and Molecules by High Resolution	140
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-97ER14749 01/31/2011 Navrotsky	SC-22.12	Thermodynamics of Minerals Stable Near the Earth's Surface	226
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-08ER15963 06/30/2011 Inoue	SC-22.13	Mechanism and Significance of Protein Maturation and Targeting in the Biogenesis of Photosynthetic Compartments	147
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-05ER15693 11/30/2011 Casey	SC-22.12	Adding Reactivity to Structure---Kinetics of Oxygen-Isotope Exchanges at Structural Sites in Nanometer-Size Aqueous Molecules	169
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-04ER15554 08/31/2010 Liu	SC-22.13	Roles of microtubule-based motors in plant growth	139
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-04ER15568 11/14/2010 Rundle	SC-22.12	Collaborative Research: Failure of Rock Masses From Nucleation and Growth of Microscopic Defects and Disorder	162

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CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-04ER15498 11/30/2010 Rustad	SC-22.12	The Impact of Carbonate on Surface Protonation, Electron Transfer, and Crystallization Reactions in Iron Oxide	69
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	152
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-09ER16049 07/14/2010 Lagarias	SC-22.11	9th International Conference on Tetrapyrrole Photoreceptors of Photosynthetic Organisms (ICTPPO) [July]	7
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-09ER16077 08/31/2011 Callis	SC-22.13	Analysis of Proteins Affecting Chloroplast Function	179
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-FG02-94ER20134 04/14/2010 Lucas	SC-22.13	Function of Phloem-Borne Information Macromolecules in Integrated Plant Growth and Development	50
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-03ER25579 12/14/2009 Puckett, Miller	SC-21.1	Development of High-Order Accurate Interface Tracking Algorithms and Improved Constitutive Models for Problems in	0
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FC02-06ER25780 12/14/2011 Joy	SC-21.1	Visualization and Analytics Center for Enabling Technologies (VACET)	298
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FC02-06ER25777 12/14/2011 Ma	SC-21.1	SciDAC Institute for Ultra-Scale Visualization	898
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	248
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FC02-06ER25793 09/14/2011 Bai	SC-21.1	Next Generation Multi-Scale Quantum Simulation Software for Strongly Correlated Materials	294
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FC02-06ER25794 09/14/2011 Galli	SC-21.1	Institute for Quantum Simulations of Materials and Nanostructures	920
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FC02-07ER25811 11/14/2011 Ludaescher	SC-21.1	Scientific Data Management Center for Enabling Technologies (CET)	193
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-91ER40674 06/30/2010 Ko	SC-25	RECOVERY ACT-High Energy Particle Physics Research	2,131
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	350

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CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-07ER46475 08/14/2010 Power	SC-22.23	Activation of Hydrogen Under Ambient Conditions by Main Group Molecules	170
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-FG02-99ER54531 12/14/2010 Luhmann	SC-24.2	Innovative Diagnostic Developments for Turbulence and Transport Measurement and Visualization	605
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-03ER54732 02/28/2011 Hwang	SC-24.2	Development of High Density Compact Toroid Injector for Central Refueling	343
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FC02-08ER54956 02/28/2011 Ma	SC-24.2	Gyrokinetic Particle Simulation of Turbulent Transport in Burning Plasmas	20
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-07ER41505 11/30/2009 Tyson	SC-25	Optimizing New Dark Energy Experiments	0
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-97ER45640 11/14/2009 Cox	SC-22.22	Theoretical Studies of Correlated Molecules and Solids	0
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-06ER46282 04/30/2011 Asta	SC-22.21	Computational Studies of Solid-Liquid Interfaces	250
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 Friction Lubricants	220
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-04ER46173 08/31/2010 Parikh	SC-22.23	Dynamical Self-Assembly: Structure- Dynamics-Function Relations in Heterogenous Phospholipid Membranes	326
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-06ER46262 11/14/2012 Galli	SC-22.22	Semiconductor Nanostructures by Scientific Design	225
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-03ER46057 06/14/2010 Browning	SC-22.21	Materials Properties at Interfaces in Nanostructured Materials: Fundamental Atomic Scale Issues	125
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	250
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	173
CALIFORNIA, UNIV. OF IRVINE Irvine, CA	DE-FG02-04ER46107 12/31/2010 Yu	SC-22.22	Noise, Disorder and Phase Transitions	84

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CALIFORNIA, UNIV. OF IRVINE Irvine, CA	DE-FG02-03ER46036 02/14/2011 Lawrence	SC-22.21	Neutron Scattering Studies of Rare Earth Valence Fluctuation Compounds	0
CALIFORNIA, UNIV. OF IRVINE Irvine, CA	DE-FG02-05ER46237 08/31/2011 Wu	SC-22.22	First Principles Exploration for the Origin of Ferromagnetism in Diluted Magnetic Semiconductors	95
CALIFORNIA, UNIV. OF IRVINE Irvine, CA	DE-FG02-04ER46174 08/31/2010 Chernyshev	SC-22.22	Excitation and Thermal Transport in Quantum Magnets	79
CALIFORNIA, UNIV. OF IRVINE Irvine, CA	DE-FG02-04ER46162 02/28/2011 Guan	SC-22.23	Biomimetic 3D Network Polymers Containing Reversibly Unfoldable Modules (RUM's) for Strong and Tough Materials	154
CALIFORNIA, UNIV. OF IRVINE Irvine, CA	DE-FG02-96ER45576 04/14/2011 Hemminger	SC-22.23	Optical Spectroscopy and Scanning Tunneling Microscopy Studies of Molecular Adsorbates and Anisotropic Ultrathin Films	158
CALIFORNIA, UNIV. OF IRVINE Irvine, CA	DE-FG02-84ER45083 01/31/2011 Mills	SC-22.22	Electron Probes of Nanoscale and Subnanoscale Structures and their Dynamics	100
CALIFORNIA, UNIV. OF IRVINE Irvine, CA	DE-FG02-07ER41494 08/31/2009 Vagins	SC-25	Selective Filtration of Gadolinium Trichloride for Use in Neutron Detection in Large Water Cherenkov Detectors	0
CALIFORNIA, UNIV. OF IRVINE Irvine, CA	DE-FC02-08ER54957 02/28/2011 Lin	SC-24.2	Gyrokinetic Particle Simulation of Turbulent Transport in Burning Plasmas	190
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-FG02-06ER54867 04/14/2012 Heidbrink	SC-24.2	Fast-Ion D-Alpha Diagnostic for NSTX	201
CALIFORNIA, UNIV. OF IRVINE Irvine, CA	DE-FG02-03ER54720 08/14/2012 Heidbrink	SC-24.2	Fast-Ion Studies in the Large Plasma Devices	124
CALIFORNIA, UNIV. OF IRVINE Irvine, CA	DE-FG02-04ER54736 12/14/2011 Chen	SC-24.2	Theoretical Studies of Drift-Alfven and Energetic-Particle Physics	140
CALIFORNIA, UNIV. OF IRVINE Irvine, CA	DE-FC02-06ER54860 01/14/2011 Lin	SC-24.2	SciDAC - Center for Plasma Edge Simulation	116
CALIFORNIA, UNIV. OF IRVINE Irvine, CA	DE-FC02-09ER55058 03/14/2012 Lin	SC-24.2	RECOVERY ACT - The Center for Momentum Transport and Flow Organization in Plasmas	337
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	90

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CALIFORNIA, UNIV. OF IRVINE Irvine, CA	DE-FG02-08ER54976 02/14/2011 Lin	SC-24.2	Gyrokinetic Simulation of Energetic Particle Turbulence and Transport	160
CALIFORNIA, UNIV. OF IRVINE Irvine, CA	DE-FG02-02ER54681 08/14/2011 Heidbrink	SC-24.2	Beam Ion Studies in NSTX	96
CALIFORNIA, UNIV. OF IRVINE Irvine, CA	DE-FG02-08ER46496 04/30/2011 Burke	SC-22.22	Density Functional Calculations of Transport Through Single Molecules	105
CALIFORNIA, UNIV. OF IRVINE Irvine, CA	DE-FG02-91ER40679 01/31/2011 Sobel	SC-25	A Research Program in Neutrino Physics, Cosmic Rays, and Elementary Particles	3,974
CALIFORNIA, UNIV. OF IRVINE Irvine, CA	DE-FG02-04ER15571 12/31/2010 Mukamel	SC-22.11	Theory and Simulation of Nonlinear X-Ray Spectroscopy of Molecules	150
CALIFORNIA, UNIV. OF IRVINE Irvine, CA	DE-FG02-04ER15595 02/28/2013 Ho	SC-22.11	Spectroscopic Imaging Toward Space-Time Limit	426
CALIFORNIA, UNIV. OF IRVINE Irvine, CA	DE-FG02-08ER15994 08/14/2011 Blum	SC-22.12	Single-Molecule Fluorescence Imaging for Studying Organic, Organometallic, and Inorganic Reaction Mechanisms	120
CALIFORNIA, UNIV. OF IRVINE Irvine, CA	DE-FG02-09ER16003 01/31/2012 Detwiler	SC-22.12	Multiphase Fluid Flow in Deformable Variable-Aperture Fractures	138
CALIFORNIA, UNIV. OF IRVINE Irvine, CA	DE-FG02-06ER15826 03/31/2013 Ho	SC-22.11	Single-Molecule Interfacial Electron Transfer	0
CALIFORNIA, UNIV. OF IRVINE Irvine, CA	DE-FG02-86ER13514 06/14/2010 Evans	SC-22.12	Advancing Chemistry with the Lanthanide and Actinide Elements	160
CALIFORNIA, UNIV. OF IRVINE Irvine, CA	DE-FG02-86ER13525 05/31/2011 Lanyi	SC-22.13	Membrane Bioenergetics of Salt Tolerant Organisms	199
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	342
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	279
CALIFORNIA, UNIV. OF IRVINE Irvine, CA	DE-FG02-05ER64000 12/31/2010 Finlayson-Pitts	SC-23.1	Formation of Secondary Organic Aerosols (SOA) via Nitrate Ion Photochemistry In and On Particles	232
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	414

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CALIFORNIA, UNIV. OF IRVINE Irvine, CA	DE-FG02-07ER64429 07/14/2010 Smyth	SC-23.1	Collaborative Research: Regional Climate-Change Projections Through Next-Generation Empirical and Dynamical	122
CALIFORNIA, UNIV. OF LA Los Angeles, CA	DE-FG02-07ER64439 07/14/2010 Ghil	SC-23.1	Collaborative Research: Robust Climate Projections and Stochastic Stability of Dynamical Systems	238
CALIFORNIA, UNIV. OF LA Los Angeles, CA	DE-FG02-07ER64490 09/14/2010 Liao	SC-23.2	Engineering Coordination of Regulatory Networks and Intracellular Complexes to Maximize Hydrogen Production by	150
CALIFORNIA, UNIV. OF LA Los Angeles, CA	DE-FG02-05ER64011 01/31/2011 Paulson	SC-23.1	Optical Properties and Mass Measurements of Representative Aerosols	200
CALIFORNIA, UNIV. OF LA Los Angeles, CA	DE-FG02-04ER63724 11/14/2010 Liou	SC-23.1	Characterization of 3D Cirrus Cloud and Radiation Fields Using ARM/AIRS/MODIS Data and Its Application to Climate Models	164
CALIFORNIA, UNIV. OF LA Los Angeles, CA	DE-FG02-08ER64689 09/14/2011 Gunsalus	SC-23.2	Novel Hydrogen Production Systems Operative at Thermodynamic Extremes	500
CALIFORNIA, UNIV. OF LA Los Angeles, CA	DE-FG02-09ER64824 08/31/2012 Phelps	SC-23.2	Microfluidic Technology Platforms for Synthesizing, Labeling and Measuring the Kinetics of Transport and Biochemical	599
CALIFORNIA, UNIV. OF LA Los Angeles, CA	DE-FG02-09ER64875 09/14/2011 Chatziioannou	SC-23.2	Development of a Dual Modality Tomographic Imaging System, for Bioluminescence and PET	599
CALIFORNIA, UNIV. OF LA Los Angeles, CA	DE-FG02-09ER64878 09/14/2011 Wu	SC-23.2	F-18 Diabody-Luciferase Fusion Proteins for Optical -ImmunoPET	600
CALIFORNIA, UNIV. OF LA Los Angeles, CA	DE-FG02-09ER64866 08/14/2011 Hall	SC-23.1	Transforming the Representation of the Boundary Layer and Low Clouds for High-Resolution Regional Climate Modeling	565
CALIFORNIA, UNIV. OF LA Los Angeles, CA	DE-FG02-09ER64899 09/14/2014 Li	SC-23.1	Continuous Evaluation of Fast Processes in Climate Models Using ARM Measurements	200
CALIFORNIA, UNIV. OF LA Los Angeles, CA	DE-FG02-08ER15935 01/31/2011 Yaghi	SC-22.12	Metal-Organic and Zeolite Imidazolate Frameworks (MOFs and ZIFs) for Highly Selective Separations	148
CALIFORNIA, UNIV. OF LA Los Angeles, CA	DE-FG02-08ER15948 05/31/2011 Diaconescu	SC-22.12	Uranium Complexes for the C-H Activation of Hydrocarbons	120
CALIFORNIA, UNIV. OF LA Los Angeles, CA	DE-FG02-04ER15529 08/31/2010 Merchant	SC-22.13	Molecular Genetic Dissection of Chloroplast Iron Homeostasis	170
CALIFORNIA, UNIV. OF LA Los Angeles, CA	DE-FG02-91ER40662 04/14/2013 Cousins	SC-25	Experimental and Theoretical High Energy Physics	2,244

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CALIFORNIA, UNIV. OF LA Los Angeles, CA	DE-FG02-92ER40693 10/31/2012 Rosenzweig, Pellegrini	SC-25	RECOVERY ACT: Theoretical and Experimental Studies in Accelerator Physics	915
CALIFORNIA, UNIV. OF LA Los Angeles, CA	DE-FG02-92ER40695 10/31/2011 Cline	SC-25	Advanced Accelerator Physics Research at UCLA	367
CALIFORNIA, UNIV. OF LA Los Angeles, CA	DE-FG02-88ER40420 01/31/2010 Nefkens	SC-26.1	UCLA Intermediate Energy Nuclear and Particle Physics Research	400
CALIFORNIA, UNIV. OF LA Los Angeles, CA	DE-FG02-88ER40424 01/31/2012 Whitten	SC-26.1	Intermediate Energy and Relativistic Heavy Ion Group	620
CALIFORNIA, UNIV. OF LA Los Angeles, CA	DE-FG02-92ER40727 05/31/2010 Joshi, Mori	SC-25	Experimental, Theoretical and Computational Studies of Plasma-Based Concepts for Future High Energy Accelerators	1,315
CALIFORNIA, UNIV. OF LA Los Angeles, CA	DE-FC02-06ER25797 09/14/2011 Zhong	SC-21.1	Simulations of Turbulent Flows With Strong Shocks and Density Variations	230
CALIFORNIA, UNIV. OF LA Los Angeles, CA	DE-FG02-05ER25710 08/31/2012 Caflisch	SC-21.1	Multiscale Mathematics for Plasma Kinetics Spanning Multiple Collisionality Regimes	418
CALIFORNIA, UNIV. OF LA Los Angeles, CA	DE-FG02-09ER46580 07/31/2014 Ozolins	SC-22.22	Molecularly Assembled Material Architectures for Solar Energy Production, Storage, and Carbon Capture -- EFRC	2,150
CALIFORNIA, UNIV. OF LA 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	315
CALIFORNIA, UNIV. OF LA Los Angeles, CA	DE-FG02-01ER54615 12/31/2010 Brower	SC-24.2	Development of Advanced Magnetic and Electron Current Density Diagnostics	729
CALIFORNIA, UNIV. OF LA Los Angeles, CA	DE-FG02-99ER54527 02/29/2012 Peebles	SC-24.2	Cross-Cutting Research Studies on the National Spherical Torus Experiment	469
CALIFORNIA, UNIV. OF LA 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 LA Los Angeles, CA	DE-FG02-86ER52123 11/30/2010 Abdou	SC-24.2	Predictive Capabilities, Analysis and Experiments for Fusion Plasma Chamber Systems Research	2,090
CALIFORNIA, UNIV. OF LA Los Angeles, CA	DE-FG02-08ER54984 12/31/2010 Rhodes	SC-24.2	Integrated System for Measurement of Multi-Scale Turbulence, Zonal Flows, and Particle Flux	435
CALIFORNIA, UNIV. OF LA Los Angeles, CA	DE-FG02-08ER55003 08/14/2011 Niemann	SC-24.2	Characteristic X-ray Emission from Underdense Plasmas Irradiated by Ultra-Intense Lasers	164

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CALIFORNIA, UNIV. OF LA 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
CALIFORNIA, UNIV. OF LA Los Angeles, CA	DE-FG02-09ER55063 08/14/2010 Carter	SC-24.2	CMPD Phase-Out: Nonlinear Alfvén Waves, Validation of Gyrokinetic Simulation, Basic Studies of Reconnection	154
CALIFORNIA, UNIV. OF LA Los Angeles, CA	DE-FC02-02ER63421 12/31/2014 Eisenberg	SC-23.2	UCLA-DOE Institute for Genomics and Proteomics	1,791
CALIFORNIA, UNIV. OF LA Los Angeles, CA	DE-FC02-04ER54785 07/31/2010 Carter	SC-24.2	Fusion Science Center: The Center for Multiscale Plasma Dynamics	0
CALIFORNIA, UNIV. OF LA Los Angeles, CA	DE-FG02-06ER54906 07/31/2012 Niemann	SC-24.2	RECOVERY ACT - Laser-Driven Collisionless Shocks in the Large Plasma Device	160
CALIFORNIA, UNIV. OF LA Los Angeles, CA	DE-FC02-08ER54958 02/28/2011 Decyk	SC-24.2	Gyrokinetic Particle Simulation of Turbulent Transport in Burning Plasmas	30
CALIFORNIA, UNIV. OF LA Los Angeles, CA	DE-FC02-07ER54918 12/31/2010 Gekelman	SC-24.2	RECOVERY ACT - Basic Plasma Science Facility Upgrade	1,326
CALIFORNIA, UNIV. OF LA Los Angeles, CA	DE-FC02-07ER41500 08/31/2012 Mori	SC-25	Community Petascale Project for Accelerator Science and Simulation	191
CALIFORNIA, UNIV. OF LA Los Angeles, CA	DE-FG02-09ER41608 07/14/2011 Wallny	SC-25	Development of Single Crystal Chemical Vapor Deposition (CVD) Diamonds for Detector Applications	90
CALIFORNIA, UNIV. OF LA Los Angeles, CA	DE-FG02-07ER46272 06/30/2010 Pellegrini, Rosenzweig	SC-22.3	The Physics of Gain Mechanisms in Self-Amplified Spontaneous Emission Free Electron Lasers	300
CALIFORNIA, UNIV. OF LA Los Angeles, CA	DE-FG02-06ER46276 03/14/2010 Miao	SC-22.21	Three-Dimensional Imaging of Nanoscale Materials by Using Coherent X-rays	0
CALIFORNIA, UNIV. OF MERCED Merced, CA	DE-FG02-04ER15502 02/14/2011 Kelley	SC-22.13	Exciton Transport and Charge Separation in Quantum Dot Arrays	135
CALIFORNIA, UNIV. OF MERCED Merced, CA	DE-FG02-07ER64457 07/31/2011 Kueppers	SC-23.1	Subalpine and Alpine Species Range Shifts with Climate Change: Temperature & Soil Moisture Manipulations to Test Species &	113
CALIFORNIA, UNIV. OF MERCED Merced, CA	DE-FG02-08ER64614 08/14/2011 O'Day	SC-23.1	Release of Aged Contaminants from Weathered Sediments: Effects of Sorbate Speciation on Scaling of Reactive Transport	83
CALIFORNIA, UNIV. OF RIVERSIDE Riverside, CA	DE-FG02-04ER46131 04/14/2010 Mohideen	SC-22.22	Investigating the Role of Ferromagnetic Materials in the Casimir Force	127

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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	248
CALIFORNIA, UNIV. OF RIVERSIDE Riverside, CA	DE-FG02-07ER46351 11/14/2011 Shi	SC-22.22	Study of Materials and Interface Properties for High-Efficiency Spin Injection	130
CALIFORNIA, UNIV. OF RIVERSIDE Riverside, CA	DE-FG02-06ER46296 07/14/2013 Wu	SC-22.22	Density Functional Theory for Phase-Ordering Transactions	75
CALIFORNIA, UNIV. OF RIVERSIDE Riverside, CA	DE-FG02-07ER41465 05/31/2010 Hanson	SC-25	High Energy Physics Research with the CMS Experiment at CERN	235
CALIFORNIA, UNIV. OF RIVERSIDE Riverside, CA	DE-FG02-07ER41487 08/14/2010 Hanson	SC-25	Neutrino Factory & Muon Collider Fellow	95
CALIFORNIA, UNIV. OF RIVERSIDE Riverside, CA	DE-FG02-04ER41325 06/30/2010 Barish	SC-26.1	SPIN PHYSICS WITH PHENIX AT RHIC	247
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	504
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 07/31/2011 Liu	SC-22.22	Investigation of p-type Sb-doped ZnO Thin Films for Solid State Lighting	50
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	140
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	360
CALIFORNIA, UNIV. OF RIVERSIDE Riverside, CA	DE-FG02-94ER40837 01/31/2012 Wimpenny, Ma, Gary	SC-25	RECOVERY ACT: High Energy Physics	1,512
CALIFORNIA, UNIV. OF RIVERSIDE Riverside, CA	DE-FG02-86ER40271 12/31/2011 Seto, Barish	SC-26.1	Central Collisions of Heavy Ions	435
CALIFORNIA, UNIV. OF RIVERSIDE Riverside, CA	DE-FG02-04ER15555 07/14/2010 Yang	SC-22.13	ROP GTPase Signaling in the Hormonal Regulation of Plant Growth	170
CALIFORNIA, UNIV. OF RIVERSIDE Riverside, CA	DE-FG02-05ER15649 06/14/2010 Springer	SC-22.13	Transcription Factors Expressed in Lateral Organ Boundaries: Identification of Downstream Targets	0

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CALIFORNIA, UNIV. OF RIVERSIDE Riverside, CA	DE-FG02-05ER15660 05/14/2011 Bocian	SC-22.13	Fundamental Studies of Hydroporphyrin Architectures for Solar Energy Applications	145
CALIFORNIA, UNIV. OF RIVERSIDE Riverside, CA	DE-FG02-02ER15295 04/14/2011 Raikhel	SC-22.13	Trafficking to the Protein Storage Vacuoles in Plants	175
CALIFORNIA, UNIV. OF RIVERSIDE Riverside, CA	DE-FG02-05ER63984 12/31/2010 Ziemann	SC-23.1	Hygroscopicity and CCN Activity of Secondary & Processed Primary Organic Aerosols	187
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	100
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-05ER15748 11/14/2009 Fox, Whitesell	SC-22.13	Functionalized Nanoparticles and Surfaces for Controlled Chemical Catalysis and Effective Light Harvesting	50
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-06ER15767 12/31/2009 Weare	SC-22.12	First Principles Simulation of the Temperature Composition and Pressure, Dependence of Natural Fluids	0
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-98ER14879 10/31/2010 Continetti	SC-22.1	Dynamics and Energetics of Elementary Combustion Reactions and Transient Species	173
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	167
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-90ER40546 06/30/2010 Kuti, Branson, Sharma, Griest	SC-25	Recovery Act: Elementary Particle Physics	1,735
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-FG02-09ER16007 02/14/2011 Estelle	SC-22.13	Function of the Arabidopsis TIR1/AFB Auxin Receptors in Growth and Development	170
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FC02-06ER25760 12/14/2011 Snavelly	SC-21.1	Collaborative Research: Performance Engineering Research Center	285
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-07ER25815 03/31/2010 Tartakovsky	SC-21.1	Stochastic Analysis of Advection-Diffusion-Reactive Systems with Applications to Reactive Transport in	102
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-09ER46672 09/15/2012 Meng	SC-22.21	New In Situ Analytical Electron Microscopy for Understanding Structure Evolution and Composition	247
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-FG02-08ER46519 07/31/2011 Cohen	SC-22.23	Tuning Sorption Properties of Metal-Organic Frameworks via Postsynthetic Covalent Modification	216
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-07ER46449 08/14/2010 Butov	SC-22.22	Cold Exciton Gases in Semiconductor Heterostructures	140
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FC02-08ER54959 02/28/2011 Diamond	SC-24.2	Gyrokinetic Particle Simulation of Turbulent Transport in Burning Plasmas	190
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-07ER54917 01/14/2013 Moyer	SC-24.2	DIII-D Edge Physics and Disruptions	1,000
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-FG02-06ER54871 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)	1,014
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-04ER54738 12/14/2010 Diamond	SC-24.2	Investigations in Anomalous Transport and Ignition Physics	575
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-FG02-03ER54731 03/14/2010 Boedo, Moyer	SC-24.2	Edge Physics Studies on the NSTX Spherical Tokamaks	130
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-FG02-05ER54809 04/14/2011 Moyer	SC-24.2	Modeling Plasma Response to Non-Axisymmetric Magnetic Field Perturbations in Tokamak Boundaries	160
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-01ER63252 09/14/2010 Cessi	SC-23.1	The Role of Eddy-Transport in the Thermohaline Circulation	175
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-03ER63532 12/14/2009 Zhang	SC-23.1	Improving Convection Parameterization Using ARM Observations and NCAR Community Atmosphere Model	0

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CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FC02-09ER55054 09/14/2014 Doerner	SC-24.2	RECOVERY ACT - PSI Plasma Center: Bridging the PSI Knowledge Gap: A Multi-Scale Approach	2,583
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FC02-09ER55055 03/14/2012 Tynan	SC-24.2	RECOVERY ACT - Center for Momentum Transport and Flow Self-Organization in Plasmas	1,387
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-08ER54989 05/14/2011 Pigarov	SC-24.2	Edge Plasma Simulations in NSTX and CTF: Synergy of Lithium-Coating, Non-Diffusive Anomalous Transport and Drifts	52
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FC02-08ER54983 02/14/2011 Diamond	SC-24.2	Gyrokinetics Simulation of Energetic Particle Turbulence and Transport	35
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-09ER55038 08/14/2012 Beg	SC-24.2	RECOVERY ACT - Assessment of Proton Deflectometry for Exploding Wire Experiments	200
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-09ER55025 07/14/2014 O'Neil	SC-24.2	Fundamental Processes in Plasmas	400
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FC02-09ER55020 07/31/2011 Tynan	SC-24.2	UCSD Support for Fusion Simulation Project Planning Activity	79
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-87ER45332 06/30/2011 Schuller	SC-22.22	Nanostructured Materials: From Superlattices to Quantum Dots	165
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-00ER45799 11/30/2011 Basov	SC-22.22	Electromagnetic Response of Correlated Electron Systems in the Regime of Charge and Spin Inhomogeneity	190
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-07ER46355 01/14/2011 Qiao	SC-22.22	Understanding Size Effect in Cleavage Cracking in Thin Film Materials	124
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	295
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-05ER46204 05/31/2011 Di Ventra	SC-22.22	Time-Dependent Current Density-Functional Theory of Charge, Energy and Spin Transport in Nanoscale Conductors	105
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-07ER64362 09/14/2010 Keeling	SC-23.1	A Study of the Role of Terrestrial Processes in the Carbon Cycle Based on Measurements of the Abundance and Isotopic	364
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-05ER64119 08/14/2010 McClellan	SC-23.1	Towards a Fine-Resolution Global Coupled Climate System for Prediction on Decadal/Centennial Scales	230
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FC02-07ER64324 11/14/2010 Tartakovsky	SC-23.1	Hybrid Numerical Methods for Multiscale Simulations of Subsurface Biogeochemical Processes	80

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CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-09ER64844 08/14/2011 Russell	SC-23.1	Cloud-Aerosol Physics in Super-Parameterized Atmospheric Regional Climate Simulations (CAP-SPARCS)	459
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-09ER64846 08/14/2011 Cessi	SC-23.1	Warm Bias and Parameterization of Boundary Upwelling in Ocean Models	369
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-09ER64847 08/14/2011 Miller	SC-23.1	Winter Storms and the Spring Transition Over the Western U.S.: Quantifying Discrepancies Between Coarse and High-Resolution Simulations and	450
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-09ER64850 08/14/2011 Cerovecki	SC-23.1	North Pacific Mesoscale Coupled Air-Ocean Simulations Compared with Observations	332
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	81
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-08ER64686 09/14/2011 Palsson, Zengler	SC-23.2	Systems-Level Understanding of Hydrogen Production by Thermotoga Maritima	467
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-FG02-09ER64764 06/14/2012 Somerville	SC-23.1	Collaborative Research: Using ARM Observations and Advanced Statistical Techniques to Evaluate CAM3 Clouds for	67
CALIFORNIA, UNIV. OF SAN FRAN San Francisco, CA	DE-FG02-07ER64420 05/31/2011 Weaver	SC-23.2	Extracellular Matrix Force and Radiation Resistance	99
CALIFORNIA, UNIV. OF SAN FRAN San Francisco, CA	DE-FG02-07ER64409 05/14/2010 Miller	SC-23.1	Identifying Biomarkers and Mechanisms of Toxic Metal Stress with Global Proteomics	250
CALIFORNIA, UNIV. OF SANTA BARBARA Santa Barbara, CA	DE-FG02-02ER46006 05/30/2013 Morse	SC-22.23	Biological and Biomimetic Low-Temperature Routes to Materials for Energy Applications	350
CALIFORNIA, 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
CALIFORNIA, UNIV. OF SANTA BARBARA Santa Barbara, CA	DE-FG02-07ER46434 08/14/2010 Van de Walle	SC-22.22	Computational Studies of Hydrogen Interfaces with Storage Materials	135
CALIFORNIA, UNIV. OF SANTA BARBARA Santa Barbara, CA	DE-FG02-06ER46314 07/31/2010 Safinya	SC-22.23	Miniaturized Hybrid Materials Inspired by Nature	200
CALIFORNIA, UNIV. OF SANTA BARBARA Santa Barbara, CA	DE-FC02-06ER41437 03/14/2011 Sugar	SC-25	National Computational Infrastructure for Lattice Gauge Theory	30

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FORNIA, UNIV. OF SANTA BARBARA Santa Barbara, CA	DE-FG02-87ER45331 02/28/2011 Israelachvili	SC-22.23	Properties of Surfaces and Films over Large Length and Time Scales	281
FORNIA, UNIV. OF SANTA BARBARA Santa Barbara, CA	DE-FG02-08ER46524 08/31/2011 Balents	SC-22.22	Resolving Frustration in Complex Materials	90
FORNIA, UNIV. OF SANTA BARBARA Santa Barbara, CA	DE-FG02-09ER46586 07/31/2014 Bowers	SC-22.22	RECOVERY ACT - Center for Energy Efficient Materials -- EFRM	15,700
FORNIA, UNIV. OF SANTA BARBARA Santa Barbara, CA	DE-FG02-08ER46535 08/31/2011 Heeger	SC-22.23	Polymer-Based Bulk Heterojunction Tandem Solar Cells	450
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	300
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	500
FORNIA, UNIV. OF SANTA BARBARA Santa Barbara, CA	DE-FG02-05ER25704 06/30/2009 Leal	SC-21.1	Localized Scale Coupling and New Educational Paradigms in Multiscale Mathematics and Science	0
FORNIA, UNIV. OF SANTA BARBARA Santa Barbara, CA	DE-FG02-04ER25621 08/31/2010 Petzold	SC-21.1	Multiscale Simulation Algorithms for Biochemical Systems	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-FG02-91ER40618 03/31/2011 Richman	SC-25	Recovery Act: UCSB High Energy User Group	2,325
FORNIA, UNIV. OF SANTA BARBARA Santa Barbara, CA	DE-FG02-03ER15441 12/14/2009 Wodtke	SC-22.11	Electronically non-adiabatic dynamics at the gas-solid interface	138
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	540
FORNIA, UNIV. OF SANTA BARBARA Santa Barbara, CA	DE-FG02-98ER14910 05/31/2011 Bazan	SC-22.1	Ring Walking/Oxidative Addition Reactions for the Controlled Synthesis of Conjugated Polymers	150
FORNIA, UNIV. OF SANTA BARBARA Santa Barbara, CA	DE-FG02-89ER14048 06/30/2011 McFarland	SC-22.1	Investigations of C-H Bond Activation and Doped Metal Oxide Catalysts	160
FORNIA, UNIV. OF SANTA BARBARA Santa Barbara, CA	DE-FG02-96ER14620 01/31/2010 Boles	SC-22.1	Physiochemical Evidence of Faulting Processes and Modeling of Fluid Flow in Evolving Fault Systems in Southern	0

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FORNIA, UNIV. OF SANTA BARBARA Santa Barbara, CA	DE-FG02-08ER15991 08/31/2011 Gibou	SC-22.12	Multiscale Investigation and Modeling of Flow Mechanisms Related to CO2 Sequestration in Geologic Formations	190
FORNIA, UNIV. OF SANTA BARBARA Santa Barbara, CA	DE-FG02-06ER15835 08/31/2010 Buratto	SC-22.12	Chemical Imaging with 100nm Spatial Resolution	0
ALIFORNIA, UNIV. OF SANTA CRUZ Santa Cruz, CA	DE-FG02-04ER63750 12/14/2010 Liu	SC-23.2	Artificial Retina Project: Wireless Link and Microelectronics	390
ALIFORNIA, UNIV. OF SANTA CRUZ Santa Cruz, CA	DE-FG02-08ER64513 12/14/2009 Paytan	SC-23.1	Organic Matter Composition, Recycling Susceptibility, and the Effectiveness of the Biological Pump-An Evaluation Using	0
ALIFORNIA, UNIV. OF SANTA CRUZ Santa Cruz, CA	DE-FC02-06ER25768 12/14/2010 Long	SC-21.1	Petascale of Data Storage Institute	300
ALIFORNIA, UNIV. OF SANTA CRUZ Santa Cruz, CA	DE-FG02-04ER41286 10/31/2012 Seiden	SC-25	RECOVERY ACT: Research in High Energy Physics	2,075
ALIFORNIA, UNIV. OF SANTA CRUZ Santa Cruz, CA	DE-FC02-06ER41438 03/14/2011 Woosley	SC-25	Computational Astrophysics Consortium: 3 Supernovae, Gamma Ray Bursts, and Nucleosynthesis	337
ALIFORNIA, UNIV. OF SANTA CRUZ Santa Cruz, CA	DE-FG02-06ER46319 08/31/2010 Shastry	SC-22.22	Electrothermal Transport Phenomena in Strongly Correlated Matter	120
ALIFORNIA, UNIV. OF SANTA CRUZ Santa Cruz, CA	DE-FG02-07ER46388 05/31/2011 Bridges	SC-22.22	Doped Semiconductor Nanomaterials for Solid State Lighting Applications	228
ALIFORNIA, UNIV. OF SANTA CRUZ Santa Cruz, CA	DE-FG02-05ER46232 08/14/2011 Zhang	SC-22.21	Hydrogen Generation Using Integrated Photovoltaic and Photoelectrochemical Cells	150
LOMA LINDA UNIV MEDICAL CENTER Loma Linda, CA	DE-FG02-06CH11465 12/31/2009 Bush	SC-23	Enhanced Proton Therapy for Adult and Pediatric Cancer Patients through Development of a Precision Patient Alignment System (PPAS)	0
LOMA LINDA UNIVERSITY Loma Linda, CA	DE-FG02-07ER64348 01/31/2011 Burrell	SC-23.2	The Contribution of Tissue Level Organization to Genomic Stability Following Low Dose/Low Dose Rate Gamma and	353
LOMA LINDA UNIVERSITY Loma Linda, CA	DE-FG02-07ER64345 12/31/2010 Gridley	SC-23.2	Th Cell Gene Expression and Function in Response to Low Dose and Acute Radiation	425
LOMA LINDA UNIVERSITY Loma Linda, CA	DE-FG02-09ER64787 08/31/2012 Nelson	SC-23.2	Low Dose Ionizing Radiation Modulates Immune Function	242
OCCIDENTAL COLLEGE Los Angeles, CA	DE-FG02-06ER54882 07/14/2010 Eggleston	SC-24.2	Resonance Overlap, Axial Trapping, and Magnetic Field Scaling in Asymmetry-Induced Transport	0

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O STATE UNIVERSITY RES. FOUND. San Diego, CA	DE-FG02-03ER41272 05/31/2012 Johnson	SC-26.1	Mean-Field and Moment Methods Applied to Nuclear Structure and Reactions	60
O STATE UNIVERSITY RES. FOUND. San Diego, CA	DE-FC02-09ER41587 11/30/2011 Johnson	SC-26.1	Building a Universal Nuclear Energy Density Functional	55
O STATE UNIVERSITY RES. FOUND. 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	34
SAN FRANCISCO STATE UNIVERSITY San Francisco, CA	DE-FG02-92ER40711 01/31/2011 Greensite	SC-25	RECOVERY ACT: Research in Theoretical High Energy Physics	112
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	104
SOUTHERN CALIFORNIA, UNIV. OF Los Angeles, CA	DE-FG02-99ER14956 04/14/2010 Haw	SC-22.12	Fundamental Studies of Catalysis by Solid Acids	122
SOUTHERN CALIFORNIA, UNIV. OF Los Angeles, CA	DE-FG02-04ER15598 12/14/2010 Haw	SC-22.12	Supported Molecular Catalysts: Synthesis, In-Situ Characterization and Performance	300
SOUTHERN CALIFORNIA, UNIV. OF Los Angeles, CA	DE-FG02-05ER15629 03/31/2011 Reisler	SC-22.11	Photoinitiated Reactions of Radicals and Diradicals in Molecular Beams	135
SOUTHERN CALIFORNIA, UNIV. OF Los Angeles, CA	DE-FG02-05ER15685 12/14/2011 Krylov	SC-22.11	Theoretical Modeling of Spin-Forbidden Channels in Combustion Reactions	100
SOUTHERN CALIFORNIA, UNIV. OF Los Angeles, CA	DE-FG02-92ER40745 11/14/2010 Muggli	SC-25	Program for Plasma-Based Concepts for Future High Energy Accelerators	464
SOUTHERN CALIFORNIA, UNIV. OF Los Angeles, CA	DE-FG02-84ER40168 02/28/2011 Warner, Bars	SC-25	Theoretical Particle Physics	285
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-FG02-09ER25900 07/31/2012 Lehman	SC-21.1	Virtualized Network Control (VNC)	702
SOUTHERN CALIFORNIA, UNIV. OF Los Angeles, CA	DE-FG02-08ER25834 03/14/2011 Chame	SC-21.1	Compiler-Directed Automatic Performance Tuning (TUNE)	100
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	376

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SOUTHERN CALIFORNIA, UNIV. OF Los Angeles, CA	DE-FC02-06ER25765 12/14/2011 Lucas	SC-21.1	Performance Engineering Research Center (PERC-3)	425
SOUTHERN CALIFORNIA, UNIV. OF Los Angeles, CA	DE-FC02-06ER25757 09/14/2011 Kesselman	SC-21.1	A Center for Enabling Distributed Petascale Science	480
SOUTHERN CALIFORNIA, UNIV. OF Los Angeles, CA	DE-FC02-06ER25773 09/14/2011 Chervenak	SC-21.1	Scaling the Earth System Grid to Petascale Data	230
SOUTHERN CALIFORNIA, UNIV. OF Los Angeles, CA	DE-FC02-06ER25788 04/14/2011 Vashishta	SC-21.1	Hierarchical Petascale Simulation Framework for Stress Corrosion Cracking	295
SOUTHERN CALIFORNIA, UNIV. OF Los Angeles, CA	DE-FG02-09ER46589 07/31/2014 Dapkus	SC-22.21	RECOVERY ACT - Emerging Materials for Solar Energy Conversion and Solid State Lighting -- EFRC	12,500
SOUTHERN CALIFORNIA, UNIV. OF Los Angeles, CA	DE-FG02-06ER54886 09/14/2009 Muggli	SC-24.2	Collaborative Research: Simulation of Beam-Electron Cloud Interactions in Circular Accelerators Using Plasma Models	0
SOUTHERN CALIFORNIA, UNIV. OF Los Angeles, CA	DE-FC02-08ER54965 02/28/2011 Chame	SC-24.2	Gyrokinetic Particle Simulation of Turbulent Transport in Burning Plasmas	20
SOUTHERN CALIFORNIA, UNIV. OF Los Angeles, CA	DE-FG02-05ER46240 08/31/2011 Haas	SC-22.22	Quantum to Classical Crossover of Collective Modes in Correlated Matter	90
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: Multimillion-to-Billion Atom Simulations	230
SOUTHERN CALIFORNIA, UNIV. OF Los Angeles, CA	DE-FG02-04ER46146 12/31/2007 Kassner	SC-22.22	Long-Range Internal Stresses and Mechanisms of Cyclic and Monotonic Deformation	0
SOUTHERN CALIFORNIA, UNIV. OF Los Angeles, CA	DE-FG02-07ER46376 05/31/2010 Cronin	SC-22.22	Energy Transport in Graphene	88
SOUTHERN CALIFORNIA, UNIV. OF Los Angeles, CA	DE-FG02-06ER64322 09/14/2010 Pohost	SC-23.2	Development of Advanced Surgical Robotics "DARS"	0
SOUTHERN CALIFORNIA, UNIV. OF Los Angeles, CA	DE-FG02-05ER64128 08/31/2010 Pohost	SC-23.2	Development of Advanced Surgical Robotics "DARS"	0
SOUTHERN CALIFORNIA, UNIV. OF Los Angeles, CA	DE-FG02-07ER64385 05/31/2010 Nealson	SC-23.2	Integrated Genome-Based Studies of <i>Shewanella</i> Ecophysiology	333
SOUTHERN CALIFORNIA, UNIV. OF Los Angeles, CA	DE-FG02-09ER64887 09/15/2011 Conti	SC-23.2	Preparation and Application of Novel Cage-Like Bifunctional Chelators for Multimodality Imaging	599

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STANFORD UNIVERSITY Stanford, CA	DE-FG02-04ER41295 03/31/2013 Cabrera, Gratta	SC-25	Recovery Act - Stanford Non-Accelerator High Energy Physics Program	723
STANFORD UNIVERSITY Stanford, CA	DE-FG02-07ER41480 07/14/2010 Cabrera	SC-25	DUSEL Research and Development on Sub-Kelvin Germanium Detectors for Ton Scale Dark Matter Search	135
STANFORD UNIVERSITY Stanford, CA	DE-FG02-90ER45435 12/31/2009 Osheroff	SC-22.22	Ultra-Low Temperature Properties of Amorphous and Glassy Materials	0
STANFORD UNIVERSITY Stanford, CA	DE-FG02-04ER46163 04/30/2011 Nix	SC-22.22	Mechanical Properties of Materials with Nanometer Scale Microstructures	150
STANFORD UNIVERSITY Stanford, CA	DE-FG02-06ER46287 02/14/2011 Kivelson	SC-22.22	Possible Exotic Orders in the Cuprates	0
STANFORD UNIVERSITY Stanford, CA	DE-FG02-07ER46391 06/30/2010 Dauskardt	SC-22.22	Nanomaterial Thin-Film Structures: Fracture and Complex Environments	162
STANFORD UNIVERSITY Stanford, CA	DE-FG02-07ER46426 08/31/2010 Fan	SC-22.22	Nanophotonics-Enhanced Solar Cells	280
STANFORD UNIVERSITY Stanford, CA	DE-FG02-06ER54897 01/31/2010 Cappelli	SC-24.2	High Density Magnetized Microdischarge Plasmas	0
STANFORD UNIVERSITY Stanford, CA	DE-FG02-95ER62051 06/14/2011 Weyant	SC-23.1	Summer Workshops on Climate Change Impacts and Integrated Assessment of Climate Change	154
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	80
STANFORD UNIVERSITY Stanford, CA	DE-FG02-09ER46579 07/31/2014 Prinz	SC-22.23	Center on Nanostructuring for Efficient Energy Conversion -- EFRC	4,000
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-FG02-84ER13251 01/14/2011 Fayer	SC-22.11	Nanoconfinement and Interfaces-Water and Proton Dynamics	225
STANFORD UNIVERSITY Stanford, CA	DE-FG02-88ER13857 02/29/2012 Hanson, Bowman	SC-22.11	Spectroscopy and Kinetics of Combustion Gases at High Temperatures	160
STANFORD UNIVERSITY Stanford, CA	DE-FG02-03ER15454 10/31/2010 Borja	SC-22.12	Framework for constitutive branching in porous rocks undergoing brittle faulting and cataclastic flow	109

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STANFORD UNIVERSITY Stanford, CA	DE-FG02-03ER15423 06/30/2010 Nur	SC-22.12	Porous Rock with Fluid: Impact of Heterogeneity on Reservoir Transport and Elastic Properties and Application to Unconventional Pore-Filling Materials	229
STANFORD UNIVERSITY Stanford, CA	DE-FG02-04ER15588 11/14/2010 Pollard, Aydin	SC-22.12	Structural Heterogeneities and Paleo Fluid Flow in An Analog Sandstone Reservoir	272
STANFORD UNIVERSITY Stanford, CA	DE-FG02-06ER15810 07/31/2010 Bergmann	SC-22.13	Manipulating Signaling in Stomatal Development	0
STANFORD UNIVERSITY Stanford, CA	DE-FG02-07ER15892 02/28/2011 Moerner	SC-22.13	Imaging of Conformational Changes for Single Proteins in Solution by Suppression of Brownian Motion	165
STANFORD UNIVERSITY Stanford, CA	DE-FG02-08ER15990 08/31/2011 Tchelepi	SC-22.12	Multiscale Investigation and Modeling of Flow Mechanisms Related to CO2 Sequestration in Geologic Formations	214
STANFORD UNIVERSITY Stanford, CA	DE-FG02-09ER25917 09/14/2012 Saunders	SC-21.1	Numerical Optimization Techniques for Systems Biology	484
STANFORD UNIVERSITY Stanford, CA	DE-FG02-03ER41276 07/31/2010 Byer	SC-25	Development of High-Gradient Extended Dielectric Based Laser-Driven Particle Accelerator Structures	316
STANFORD UNIVERSITY Stanford, CA	DE-FC02-06ER25787 09/14/2011 Lele	SC-21.1	Simulations of Turbulent Flows With Strong Shocks	480
STANFORD UNIVERSITY Stanford, CA	DE-FG02-06ER25726 03/31/2010 Durlowski	SC-21.1	Multiscale Analysis and Computation for Flows in Heterogeneous Media	0
STANFORD UNIVERSITY Stanford, CA	DE-FG02-09ER64837 08/14/2011 Diffenbaugh	SC-23.1	Impacts of High Resolution Extreme Events on US Energy Demand and CO2 Emissions in the 21st Century	56
STANFORD UNIVERSITY Stanford, CA	DE-FG02-08ER64552 04/30/2011 Spormann	SC-23.2	The Hopkins Microbiology Course	15
STANFORD UNIVERSITY Stanford, CA	DE-FG02-07ER64386 03/31/2010 Spormann	SC-23.2	Integrated Genome-Based Studies of Shewanella Ecophysiology	200
STANFORD UNIVERSITY Stanford, CA	DE-FG02-07ER64364 03/14/2010 Criddle	SC-23.1	Monitoring Uranium Transformations Determined by the Evolution of Biogeochemical Processes	24
STANFORD UNIVERSITY Stanford, CA	DE-FG02-05ER64136 08/31/2010 McAdams	SC-23.2	Dynamic Spatial Organization of Multi-Protein Complexes Controlling Microbial Polar Organization, Chromosome	2,305
STANFORD UNIVERSITY Stanford, CA	DE-FG02-04ER63896 12/15/2009 Arrigo	SC-23.1	Iron Fertilization of the Southern Ocean: Regional Simulation and Analysis of C-Sequestration in the Ross Sea	0

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STANFORD UNIVERSITY Stanford, CA	DE-FG02-06ER64237 05/14/2010 Brown	SC-23.1	Microscopic Controls on the Description/Dissolution of Sorbed U(VI) and their Influence on Reactive Transport	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	462
Total for CA :				148,30

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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	17
COLORADO SCHOOL OF MINES Golden, CO	DE-FG02-07ER64419 05/31/2010 Ranville	SC-23.1	Relating Pore-Scale Uranium Aquatic Speciation to Intermediate-Scale Aquifer Heterogeneity: Determining pH-Dependent Uranium...	0
COLORADO SCHOOL OF MINES Golden, CO	DE-FG02-07ER64423 05/31/2011 Posewitz	SC-23.2	Filling Knowledge Gaps in Biological Networks: Integrated Global Approaches to Understand H2 Metabolism in Chlamydomonas	234
COLORADO SCHOOL OF MINES Golden, CO	DE-FG02-06ER15778 10/31/2009 Snieder	SC-22.12	Monitoring the Subsurface with Multiple Scattered Waves and Quasi-Static Deformation	0
COLORADO SCHOOL OF MINES Golden, CO	DE-FG02-07ER15841 12/14/2010 Benson	SC-22.12	Investigation into the Relationship Between Heterogeneity and Heavy-Tailed Solute Transport	85
COLORADO SCHOOL OF MINES Golden, CO	DE-FG02-09ER16018 06/14/2012 Scales	SC-22.12	Correlating Mechanical and Electrical Properties of Rocks at the Sub-Millimeter Scale	141
COLORADO SCHOOL OF MINES Golden, CO	DE-FG02-93ER40789 03/31/2011 Greife	SC-26.1	Nuclear Structure and Astrophysics with Unstable Beams	263
COLORADO SCHOOL OF MINES Golden, CO	DE-FG02-04ER54775 05/31/2010 Cecil	SC-24.2	Collaboration on Energetic Ion Diagnostics on JET and ITER	30
COLORADO SCHOOL OF MINES Golden, CO	DE-FG02-07ER46397 07/14/2010 Reimanis	SC-22.22	Mechanical Behavior in Lithium Aluminum Silicate Composites	102
COLORADO SCHOOL OF MINES Golden, CO	DE-FG02-05ER46242 08/31/2011 Sloan	SC-22.23	Molecular Hydrogen Storage in Novel Clathrate Materials	250
COLORADO STATE UNIVERSITY Fort Collins, CO	DE-FG02-07ER46448 08/14/2010 Wang	SC-22.23	Achieving Three-Dimensional Well-Ordered Nanostructures in Block Copolymer Films by Combined External Fields	150
COLORADO STATE UNIVERSITY Fort Collins, CO	DE-FG02-09ER41633 08/31/2010 Wilson	SC-25	Workshop on Next Generation Nucleon Decay and Neutrino Detectors (NNN09)	8
COLORADO STATE UNIVERSITY Fort Collins, CO	DE-FG02-03ER41284 08/31/2005 Warner	SC-25	Proposal to Test and Revise Designs for Linac and Final Doublet Movers	-3
COLORADO STATE UNIVERSITY Fort Collins, CO	DE-FC02-07ER54909 02/14/2012 Estep	SC-24.2	Framework Application for Core-Edge Transport Simulations (FACETS)	90
COLORADO STATE UNIVERSITY Fort Collins, CO	DE-FG02-93ER40788 12/14/2010 Toki, Harton, Wilson	SC-25	Research in High Energy Physics	710

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COLORADO STATE UNIVERSITY Fort Collins, CO	DE-FG02-03ER41255 06/30/2011 Fairbank	SC-25	RECOVERY ACT: New Technique for Barium Daughter Ion Identification in a Liquid Xe-136 Double Beta Decay Experiment	90
COLORADO STATE UNIVERSITY Fort Collins, CO	DE-FG02-04ER25620 10/30/2009 Estep	SC-21.1	A Posteriori Analysis of Interface Effects in the Discretization of Multi-Scaled and Multi-Physics Problems by Decomposition	0
COLORADO STATE UNIVERSITY Fort Collins, CO	DE-FG02-06ER25724 02/28/2010 Strout	SC-21.1	Representation-Independent Compiler Technology for Domain-Specific Analysis with the Open-Analysis Toolkit	0
COLORADO STATE UNIVERSITY Fort Collins, CO	DE-FG02-05ER15750 11/15/2008 Parkinson, Elliott	SC-22.13	A Combinatorial Approach to Realization of Efficient Water Photoelectrolysis	-116
COLORADO STATE UNIVERSITY Fort Collins, CO	DE-FG02-04ER15591 10/31/2010 Elliott	SC-22.13	Transition Metal Polypyridine Complexes: Studies of Mediation in Dye-Sensitized Solar Cells and Charge Separation in Molecular Assemblies	155
COLORADO STATE UNIVERSITY Fort Collins, CO	DE-FG02-04ER15592 12/31/2010 Rocca	SC-22.11	High Harmonic Generation in Discharge-Ionized Plasma Channels	143
COLORADO STATE UNIVERSITY Fort Collins, CO	DE-FG02-96ER14625 03/31/2010 Elliott	SC-22.13	Surface Binding and Organization of Sensitizing Dyes on Metal Oxide Single Crystal Surfaces	0
COLORADO STATE UNIVERSITY Fort Collins, CO	DE-FG02-96ER14647 10/31/2011 Lundeen	SC-22.11	Properties of Actinide Ions from Measurements of Rydberg Ion Fine Structure	195
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	140
COLORADO STATE UNIVERSITY Fort Collins, CO	DE-FG02-07ER64350 01/14/2012 Bedford	SC-23.2	Genetic Factors Affecting Susceptibility to Low Dose and Dose Rate Irradiation	307
COLORADO STATE UNIVERSITY Fort Collins, CO	DE-FG02-05ER64087 03/31/2010 Zimbrick	SC-23.2	Transgenerational Effects of Chronic Low-Dose Irradiation in a Medaka Fish Model System	0
COLORADO STATE UNIVERSITY Fort Collins, CO	DE-FG02-04ER63890 08/14/2010 Paul, Paustian	SC-23.1	Ecosystem Controls on C and N Sequestration Following Afforestation of Agricultural Lands	273
COLORADO STATE UNIVERSITY Fort Collins, CO	DE-FG02-05ER63946 11/14/2010 Weil, Ullrich	SC-23.2	Radiation Leukemogenesis at Low Dose Rates	301
COLORADO STATE UNIVERSITY Fort Collins, CO	DE-FG02-06ER64317 08/31/2010 Denning	SC-23.1	Multi-Year Regional Synthesis of Atmospheric Flux and mixing Ratio Measurements in Support of the North	114
COLORADO STATE UNIVERSITY Fort Collins, CO	DE-FC02-06ER64302 08/31/2011 Randall	SC-23.1	Design and Testing of a Global Cloud-resolving Model	749

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COLORADO STATE UNIVERSITY Fort Collins, CO	DE-FG02-09ER64772 06/30/2011 Prenni	SC-23.1	Ice Nuclei Relation to Aerosol Properties in Mixed-Phase Clouds: Data Analysis and Model Parameterization	66
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	147
COLORADO STATE UNIVERSITY Fort Collins, CO	DE-FG02-08ER64622 09/28/2011 Reardon	SC-23.2	Sustainable Biofuels Development Center	1,387
COLORADO STATE UNIVERSITY Fort Collins, CO	DE-FG02-08ER64647 08/14/2011 Kampf	SC-23.1	Climate Change Impacts to Hydropower Generation in Pacific Northwest River Basins	130
COLORADO STATE UNIVERSITY Fort Collins, CO	DE-FG02-08ER64572 07/31/2011 Kummerow	SC-23.1	Use of ARM Mobile Facility (AMF) Data to Study the Aerosol Indirect Effects in China	60
COLORADO STATE UNIVERSITY Fort Collins, CO	DE-FG02-09ER64863 08/14/2011 Estep	SC-23.1	Collaborative Proposal: Transforming How Climate System Models are Used: A Global, Multi-Resolution Approach	226
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-09ER64868 08/14/2011 Tufo	SC-23.1	Toward a Non-Hydrostatic HOMME	580
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	100
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-08ER64539 04/30/2011 Ervens	SC-23.1	A Study of Cloud Processing of Organic Aerosols Using Models and CHAPS Data	114
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-05ER63954 11/30/2010 Matrosov	SC-23.1	Development, Application & Enhancement of Methods to Retrieve & Parameterize Properties of Precipitation Clouds with ARM Vertically-Pointing & Scanning Radars	75
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-05ER63965 12/14/2010 Shupe	SC-23.1	An Investigation of the Microphysical, Radiative, and Dynamical Properties of Mixed Phase Clouds	100
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-06ER64182 01/31/2010 Pincus	SC-23.1	Evaluation and Improvement of the Cloud Resolving Model Component of the Multi-Scale Modeling Framework	0
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-06ER64189 01/31/2010 Ryan	SC-23.1	The Role of Natural Organic Matter and Mineral Colloids in the Transport of Contaminants Through Heterogeneous	0
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-08ER64522 06/30/2010 Diaz	SC-23.1	Regional-Scale Climate Change: Observations and Model Simulations	73
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-07ER64462 08/14/2011 Cassano	SC-23.1	Collaborative Research: Towards Advanced Understanding and Predictive Capability of Climate Change in the Arctic Using a	159

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COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-07ER64464 08/14/2011 Tufo	SC-23.1	Petascale Atmospheric General Circulation Models for CCSM	375
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-07ER64468 08/14/2011 Vasilyev	SC-23.1	An Integrated Physics-and Numbers-Based Mesoscale Modeling and Simulation of Global Ocean Circulation	189
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-02ER15346 11/30/2011 Cundiff	SC-22.11	Optical Two-dimensional Spectroscopy of Disorder Semiconductor Quantum Wells and Quantum Dots	120
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-99ER14990 12/31/2010 Holland	SC-22.11	Novel Light Sources Based on Ultracold Atoms in Collective Optical Cavity Systems	0
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-99ER14982 11/14/2011 Kapteyn, Murnane	SC-22.11	Molecular Dynamics Probed by Coherent Electron and X-rays	265
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-93ER14364 01/31/2011 Ellison	SC-22.11	Interfacial Oxidation of Complex Organic Molecules	165
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-FG02-04ER15613 11/14/2010 Bohn	SC-22.11	Strongly Anisotropic Bose and Fermi Gases	61
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-05ER15711 12/31/2011 Ye	SC-22.11	Cold and Ultracold Molecules - Dipolar Collisions and Anisotropic Quantum Gas	135
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-09ER16021 06/14/2012 Nesbitt	SC-22.11	Spectroscopy, Kinetics, and Dynamics of Combustion Radicals	175
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-07ER15912 08/31/2010 Jonas	SC-22.13	Study of Multiple Exciton Generation with New Multi-Dimensional Spectroscopies	225
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-08ER15959 06/14/2011 Michl	SC-22.12	Imaging of Conformational Changes	205
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-07ER15890 01/14/2011 Damrauer	SC-22.13	Applications to Adaptive Quantum Control to Research Questions in Solar Energy Conversion	150
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	215
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	248

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COLORADO, UNIVERSITY OF Boulder, CO	DE-FC02-06ER25784 09/14/2011 McCormick, Cai	SC-21.1	Towards Optimal Petascale Simulations (TOPS)	180
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-FG02-03ER25583 05/14/2010 Beylkin	SC-21.1	Integrated Multiscale Modeling of Molecular Computing Devices	0
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-FG02-03ER41244 02/29/2012 Nagle	SC-26.1	Experimental Relativistic Heavy Ion Physics at the University of Colorado at Boulder	254
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-06ER54896 07/31/2010 Robertson	SC-24.2	Ionospheric Dusty Plasma in the Laboratory	0
COLORADO, UNIVERSITY OF Boulder, CO	DE-FC02-08ER54960 02/14/2011 Parker	SC-24.2	Center for the Study of Plasma Microturbulence	100
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 Applications	100
COLORADO, UNIVERSITY OF Boulder, CO	DE-FC02-06ER54846 01/14/2011 Parker	SC-24.2	SciDAC - Center for Plasma Edge Simulation	120
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-05ER54841 08/14/2010 Munsat	SC-24.2	Fundamental Studies of FRC Turbulence	0
COLORADO, UNIVERSITY OF Boulder, CO	DE-FC02-08ER54987 07/14/2011 Chen	SC-24.2	Center for Gyrokinetic/MHD Hybrid Simulation of Energetic Particle Physics in Toroidal Plasmas (CSEPP)	80
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-08ER54954 01/31/2011 Parker	SC-24.2	Gyrokinetic Turbulence Simulation of Turbulent Transport	100
COLORADO, UNIVERSITY OF Boulder, CO	DE-FC02-08ER54971 02/14/2011 Parker	SC-24.2	Center for Extended Magnetohydrodynamics	50
COLORADO, UNIVERSITY OF Boulder, CO	DE-FC02-09ER55057 03/14/2012 Munsat	SC-24.2	RECOVERY ACT - The Center for Momentum Transport and Flow Organization in Plasmas	241
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-03ER63561 05/31/2010 Pincus	SC-23.1	Accounting for Unresolved Variability in Clouds and Water Vapor in Large-Scale Models: Precipitation Rate, Clear-Sky	0

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Listing of Awards for State (CO)

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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	269
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-04ER41290 11/30/2012 Ford	SC-25	RECOVERY ACT: Elementary Particles and High Energy Phenomena, Tasks A, B, C, & T	1,689
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-04ER41301 08/14/2010 Kinney, Peterson	SC-26.1	Intermediate Energy Nuclear Physics	388
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-04ER41317 05/31/2010 Cary	SC-25	Chaotic Dynamics and Advanced Computation for Beams and Accelerators	197
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-07ER46403 07/31/2010 Raj	SC-22.22	The Coupling Between Interfacial Charge and Mechanical Deformation at High Temperatures in Ceramics	142
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-03ER46066 03/30/2010 Dessau	SC-22.22	New Techniques for Electronic Structure Studies of Correlated Electron Systems	150
ENGINEERING GEOPHYSICAL SOCIETY Denver, CO	DE-FG02-09ER64733 03/31/2010 Paine	SC-23.1	Support for Environmental and Engineering Geophysical University: Geophysical Instruction for Non-Geophysicists at SAGEEP - April 2009	5
TE BOARD OF COMMUNITY COLLEGES Denver, CO	DE-FG02-09ER64722 12/31/2011 Harton	SC-23.2	An End-to-End Test of Auger North Detector Units and Continuing Outreach	956
Total for CO :				15,709

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
CONNECTICUT, UNIVERSITY OF Storrs, CT	DE-FG02-86ER13622 11/30/2012 Suib	SC-22.12	Porous Nano-size Metal Oxides, Synthesis, Catalysis	130
CONNECTICUT, UNIVERSITY OF Storrs, CT	DE-FG02-92ER14263 03/31/2013 Gould	SC-22.11	Experiments in Ultracold Collisions and Ultracold Molecules	120
CONNECTICUT, UNIVERSITY OF Storrs, CT	DE-FG02-95ER14528 05/14/2012 Torgersen	SC-22.12	Air-Derived Noble Gases in Sediments: Sites and Mechanisms for Trapped Components	21
CONNECTICUT, UNIVERSITY OF Storrs, CT	DE-FG02-06ER15805 07/14/2010 Gage	SC-22.13	Signal Transduction Networks Regulating Succinate-Mediated-Catabolite-Repression and Energy Metabolism in Nitrogen-fixing	70
CONNECTICUT, UNIVERSITY OF Storrs, CT	DE-FG02-95ER20203 04/14/2011 Reiter	SC-22.13	Regulation of Xyloglucan Galactosylation in Arabidopsis	160
CONNECTICUT, UNIVERSITY OF Storrs, CT	DE-FG02-92ER40716 11/30/2012 Dunne	SC-25	Investigations in Particle and Field Theory	277
CONNECTICUT, UNIVERSITY OF Storrs, CT	DE-FG02-94ER40870 04/14/2010 Gai	SC-26.1	Studies in Low Energy Nuclear Physics	147
CONNECTICUT, UNIVERSITY OF Storrs, CT	DE-FG02-09ER46562 03/31/2011 Huang	SC-22.23	Control of New Kinetic Barriers & Design of Nanorods	170
CONNECTICUT, UNIVERSITY OF Storrs, CT	DE-FG02-04ER41309 04/14/2010 Joo	SC-26.1	Q2 Evolution of Quadrupole Strength of N Delta (1232) Transition	216
CONNECTICUT, UNIVERSITY OF Storrs, CT	DE-FG02-00ER45801 11/30/2011 Wells	SC-22.22	Charge Inhomogeneity in Correlated Electron Materials	94
FAIRFIELD UNIVERSITY Fairfield, CT	DE-FG02-07ER41503 08/31/2010 Winn	SC-25	CMS Fast Optical Calorimetry	53
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	0
YALE UNIVERSITY New Haven, CT	DE-FG02-08ER46541 08/31/2011 Le Hur	SC-22.22	Theory of Nonequilibrium Nanosystems	92
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	160

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
YALE UNIVERSITY New Haven, CT	DE-FG02-06ER46322 11/14/2010 Pfefferie	SC-22.23	Nanostructures of Boron and Magnesium Diboride for High Temperature Superconductivity and Other 1-D Electronic	0
YALE UNIVERSITY New Haven, CT	DE-FG02-09ER41581 01/14/2012 Fleming	SC-25	Conference for Undergraduate Women in Physics to be held January 17-18, 2009	23
YALE UNIVERSITY New Haven, CT	DE-FG02-07ER41504 08/31/2010 Hirshfield	SC-25	Ka-Band Test Facility for High-Gradient Accelerator R&D	309
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-FG02-07ER15909 08/31/2010 Brudvig	SC-22.13	Oxomanganese Catalysts for Solar Fuel Production	480
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	145
YALE UNIVERSITY New Haven, CT	DE-FG02-05ER15741 11/30/2010 Wettlaufer	SC-22.12	Freezing in Porous Media: Phase Behavior, Dynamics and Transport Phenomena	0
YALE UNIVERSITY New Haven, CT	DE-FG02-05ER15677 12/31/2011 Tully	SC-22.11	The Role of Electronic Excitations on Chemical Reaction Dynamics at Metal, Semiconductor, and Nanoparticle Surfaces	160
YALE UNIVERSITY New Haven, CT	DE-FG02-05ER15646 03/31/2012 Brudvig	SC-22.13	Carotenoid Function in Natural Photosynthetic Systems	150
YALE UNIVERSITY New Haven, CT	DE-FG02-98ER14882 07/14/2011 Altman	SC-22.1	Structure-Reactivity Relationships in Multi-Componenet Transition Metal Oxide Catalysts	155
YALE UNIVERSITY New Haven, CT	DE-FG02-01ER15183 10/31/2010 Haller	SC-22.1	Nanoporous Structured Silica (MCM-41 and SBA-15) Catalysts and Catalyst Supports for C1 Reactions	160
YALE UNIVERSITY New Haven, CT	DE-FG02-84ER13297 11/30/2011 Crabtree	SC-22.12	Nitrogen-Rich Ligands for Catalytic C-H, N-H and O-H Activation	150
YALE UNIVERSITY New Haven, CT	DE-FG02-88ER13966 11/30/2010 Smooke, Long	SC-22.11	Computational and Experimental Study of Laminar Flames	230
YALE UNIVERSITY New Haven, CT	DE-FG02-98ER20311 08/31/2010 Soll	SC-22.13	Selenocysteine: Biosynthesis and Significance for Hydrogen Utilization	161
YALE UNIVERSITY New Haven, CT	DE-FG02-91ER40608 12/31/2012 Iachello, Alhassid	SC-26.1	Nuclear Theory	397

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
YALE UNIVERSITY New Haven, CT	DE-FG02-91ER40609 05/31/2010 Harris	SC-26.1	Nuclear Physics - Experimental Research	3,843
YALE UNIVERSITY New Haven, CT	DE-FG02-92ER40704 10/31/2010 Tipton	SC-25	RECOVERY ACT: High Energy Physics Research, Tasks A, B, C, D, F, G, K and J	2,683
			Total for CT :	11,066

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Listing of Awards for State (DC)

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
GEORGE WASHINGTON UNIVERSITY Washington, DC	DE-FG02-99ER41110 05/31/2011 Briscoe	SC-26.1	Data Analysis Center for Electromagnetic and Hadronic Scattering Processes	382
GEORGE WASHINGTON UNIVERSITY Washington, DC	DE-FG02-95ER40901 12/31/2011 Berman	SC-26.1	A Program in Medium Energy Nuclear Physics	173
GEORGE WASHINGTON UNIVERSITY Washington, DC	DE-FG02-95ER40907 01/31/2013 Lee	SC-26.1	Nuclear Physics Calculations from QCD and EFT	165
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	125
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	30
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	0
GEORGE WASHINGTON UNIVERSITY Washington, DC	DE-FG02-06ER41422 03/31/2012 Feldman	SC-26.1	Low-Energy Photonuclear Studies at HIGS and Lund	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
GEORGETOWN UNIVERSITY Washington, DC	DE-FG02-07ER46472 08/31/2010 Kertesz	SC-22.23	Silicon Carbide Derived Carbons: Experiments and Modeling	100
GEORGETOWN UNIVERSITY Washington, DC	DE-FG02-07ER15895 08/14/2010 Tong	SC-22.12	An In-Situ Electrode-Potential-Controlled Nuclear Magnetic Resonance Investigation of Sulfur-Poisoning Effect on Pt-Based	150
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	308
HOWARD UNIVERSITY Washington, DC	DE-FG02-94ER40854 05/31/2012 Hubsch	SC-25	Superstrings and Quantum Superfields	46

Total for DC :

1,639

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
DELAWARE, UNIVERSITY OF Newark, DE	DE-FG02-05ER25702 08/14/2012 Vlachos	SC-21.1	Multiscale Modeling of Spatially Distributed Biological Systems	360
DELAWARE, UNIVERSITY OF Newark, DE	DE-FG02-09ER16041 07/31/2014 Vlachos	SC-22.12	RECOVERY ACT - Rational Design of Innovative Catalytic Technologies for Biomass Derivative Utilization -- EFRIC	17,500
DELAWARE, UNIVERSITY OF Newark, DE	DE-FG02-09ER25902 08/14/2012 Swany	SC-21.1	End Site Control Plane Subsystem (ESCPS)	279
DELAWARE, UNIVERSITY OF Newark, DE	DE-FG02-91ER40626 01/31/2012 Shafi	SC-25	Particle Theory and Cosmology	500
DELAWARE, UNIVERSITY OF Newark, DE	DE-FG02-07ER15921 08/14/2010 Lobo	SC-22.12	Novel Photocatalysts With One- and Two-Dimensional Nanostructures	175
DELAWARE, UNIVERSITY OF Newark, DE	DE-FG02-05ER15688 08/14/2011 Chen	SC-22.12	Dedicated Beamline for Catalytic Research - Synchrontron Catalysis Consortium (SCC)	473
DELAWARE, UNIVERSITY OF Newark, DE	DE-FG02-06ER15795 12/31/2010 Vlachos	SC-22.12	An Integrated Approach Toward Rational Nanocatalyst Design for Hydrogen Production	0
DELAWARE, UNIVERSITY OF Newark, DE	DE-FG02-03ER15468 09/14/2012 Lobo, Barteau	SC-22.12	From Frist Principles Design to Realization of Bimetallic Catalysts for Enhanced Selectivity	680
DELAWARE, UNIVERSITY OF Newark, DE	DE-FG02-00ER15104 11/14/2012 Chen	SC-22.12	Structure-Property Relationship in Metal Carbides and Bimetallic Alloys	130
DELAWARE, UNIVERSITY OF Newark, DE	DE-FG02-92ER14273 08/31/2012 Theopold	SC-22.1	Catalysis of Small Molecule Activation by Proton Coupled Electron Transfer	172
DELAWARE, UNIVERSITY OF Newark, DE	DE-FG02-06CH11383 01/14/2008 Rich	SC-23	University of Delaware Medical Research Equipment and Instrumentation	-1
DELAWARE, UNIVERSITY OF Newark, DE	DE-FG02-07ER46404 03/30/2009 Appelbaum	SC-22.21	Imaging of Buried Nanoscale Optically Active Materials	-142
DELAWARE, UNIVERSITY OF Newark, DE	DE-FG02-07ER46374 06/30/2010 Xiao	SC-22.21	Center for Spintronics and Biodetection	785
DELAWARE, UNIVERSITY OF Newark, DE	DE-FG02-07ER46359 01/31/2010 Bremner	SC-22.21	Key Physical Mechanisms in Nanostructured Solar Cells	149
DELAWARE, UNIVERSITY OF Newark, DE	DE-FG02-07ER46360 01/31/2011 Chui	SC-22.21	Nanomagnetism	150

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
DELAWARE, UNIVERSITY OF Newark, DE	DE-FG02-03ER46038 02/14/2012 Glyde	SC-22.21	Neutron Scattering Studies of Classical and Quantum Fluids in Nanoporous Media	150
DELAWARE, UNIVERSITY OF Newark, DE	DE-FG02-90ER45413 06/18/2010 Hadjipanayis	SC-22.22	Studies of Artificially Structured Composite Magnets	81
DELAWARE, UNIVERSITY OF Newark, DE	DE-FG02-06ER54853 11/30/2009 Matthaeus, Mitchell	SC-24.2	Experimental Studies of Self Organization with Electron Plasmas	0
DELAWARE, UNIVERSITY OF Newark, DE	DE-FG02-09ER46626 08/14/2012 Furst	SC-22.21	Directed Self-Assembly of Nanodispersions	405
DELAWARE, UNIVERSITY OF Newark, DE	DE-FG02-09ER46627 08/14/2012 Bobev	SC-22.21	Synthesis and Structure Characterization of Novel Intermetallic Clathrates-Pro prospective Materials for	419
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	329
DELAWARE, UNIVERSITY OF Newark, DE	DE-FG02-07ER64450 08/31/2010 Green	SC-23.2	Analysis of Small RNAs and mRNAs Associated with Abiotic Stress in Brachypodium Distachyon	200
Total for DE :				22,794

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
BARRY UNIVERSITY, INC. Miami Shores, FL	DE-FG02-09CH11571 12/31/2012 LaLonde	SC-23	Barry University Physical Sciences Improvement Project	739
CENTRAL FLORIDA, UNIVERSITY OF Orlando, FL	DE-FG02-07ER25747 02/28/2011 Wang	SC-21.1	A Lightweight, High-Performance I/O Management Package for Data-Intensive Computing	105
CENTRAL FLORIDA, UNIVERSITY OF Orlando, FL	DE-FG02-08ER15995 08/14/2011 Roldan-Cuenya	SC-22.12	Influence of the Oxidation State of Supported Size-Selected Pt Nanoparticles on Catalytic Decomposition & Oxidation of High-Order Alcohols: Activity, ...	135
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	775
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 07/31/2011 Winterhalter	SC-23.1	The Response of a Seasonal Ectotherm (Allenemobius Socius) to Global Warming	182
FLORIDA A&M UNIVERSITY Tallahassee, FL	DE-FG02-03ER54725 08/14/2012 Appartaim	SC-24.2	RECOVERY ACT: Dynamics of X-pinchs Powered by a Capacitor Bank	99
FLORIDA A&M UNIVERSITY Tallahassee, FL	DE-FG02-97ER54417 06/30/2010 Johnson	SC-24.2	Turbulent Transport Diagnostics for Fusion Plasmas	153
FLORIDA A&M UNIVERSITY Tallahassee, FL	DE-FG02-09CH11562 09/01/2010 Johnson	SC-23	Florida A&M University (FAMU) Spheromak Turbulent Plasma Experiment (STPX) in Collaboration with West Virginia University	924
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 ATLANTIC UNIVERSITY Boca Raton, FL	DE-FG02-05ER25713 02/28/2010 Kalies	SC-21.1	Multiscale Analysis of Nonlinear Systems Using Computational Topology	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	206
FLORIDA INTERNATIONAL UNIV. Miami, FL	DE-FG02-01ER41172 04/14/2013 Sargsian	SC-26.1	Theoretical Studies of High Energy Electronuclear Processes	67
FLORIDA INTERNATIONAL UNIV. Miami, FL	DE-FG02-99ER41065 01/31/2011 Reinhold, Boeglin, Markowitz, Raue	SC-26.1	Nuclear Physics Research at Jefferson Lab	452
FLORIDA INTERNATIONAL UNIV. Miami, FL	DE-FG02-06ER25739 07/31/2010 Rangaswami	SC-21.1	QoS-Enabled, High-Performance Storage Systems for Data-Intensive Scientific Computing	0

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
FLORIDA INTERNATIONAL UNIV. Miami, FL	DE-FG02-04ER15570 10/31/2010 Mebel	SC-22.11	Theoretical studies of chemical reactions related to the formation and growth of polycyclic aromatic hydrocarbons and	95
FLORIDA INTERNATIONAL UNIV. Miami, FL	DE-FG02-07ER46461 08/14/2010 Chen	SC-22.21	Influence of Pressure on Physical Property of Ammonia Borane and its Re-Hydrogenation	250
FLORIDA INTERNATIONAL UNIV. Miami, FL	DE-FG02-09ER55045 08/14/2012 Boeglin	SC-24.2	A Fast Proton Diagnostic for NSTX	72
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	69
FLORIDA STATE UNIVERSITY Tallahassee, FL	DE-FG02-09ER64744 04/30/2012 Ye	SC-23.1	Mult-Scale Assessment of Prediction Uncertainty in Coupled Reactive Transport Models	62
FLORIDA STATE UNIVERSITY Tallahassee, FL	DE-FG02-09ER64865 08/14/2011 Gunzburger	SC-23.1	Collaborative Proposal: Transforming How Climate System Models are Used: A Global, Multi-Resolution Approach to Regional Ocean Modeling	226
FLORIDA STATE UNIVERSITY Tallahassee, FL	DE-FG02-07ER64373 03/14/2011 Kostka	SC-23.1	Structure and Function of Subsurface Microbial Communities Affecting Radionuclide Transport and	227
FLORIDA STATE UNIVERSITY Tallahassee, FL	DE-FG02-07ER64432 07/14/2011 Gunzburger	SC-23.1	New Grid and Discretization Technologies for Ocean and Ice Simulations	223
FLORIDA STATE UNIVERSITY Tallahassee, FL	DE-FG02-07ER64470 08/14/2011 Chassignet	SC-23.1	Incorporation of the HYbrid Coordinate Ocean Model (HYCOM) into the Community Climate System Model (CCSM): Evaluation	187
FLORIDA STATE UNIVERSITY Tallahassee, FL	DE-FG02-02ER63338 01/31/2011 Ellingson	SC-23.1	Development, Validation and Testing of 3-D Longwave Cloud Parameterizations for General Circulation Models	0
FLORIDA STATE UNIVERSITY Tallahassee, FL	DE-FG02-06ER54881 06/30/2011 Lee	SC-24.2	Understanding and Development of High Field Superconductors for Fusion	90
FLORIDA STATE UNIVERSITY Tallahassee, FL	DE-FG02-07ER46451 11/30/2010 Smirnov	SC-22.22	Infrared Optical Study of Graphene in High Magnetic Fields	130
FLORIDA STATE UNIVERSITY Tallahassee, FL	DE-FG02-08ER46494 05/31/2011 El-Azab	SC-22.22	Statistical Mechanics Modeling of Mesoscale Deformation in Metals	108
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-FG02-07ER41451 03/31/2011 Larbalestier	SC-25	RECOVERY ACT: High Field Superconductor Development and Understanding	610

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
FLORIDA STATE UNIVERSITY Tallahassee, FL	DE-FG02-02ER41220 07/14/2011 Wiedenhoever	SC-26.1	Spectroscopy of Resonances in the Astrophysical rp-Process Path	60
FLORIDA STATE UNIVERSITY Tallahassee, FL	DE-FG02-09ER41629 08/31/2012 Roberts	SC-26.1	Research in Hadron Physics	80
FLORIDA STATE UNIVERSITY Tallahassee, FL	DE-FG02-97ER45639 01/31/2011 Bonesteel	SC-22.22	Correlated Electrons in Reduced Dimensions	70
FLORIDA STATE UNIVERSITY Tallahassee, FL	DE-FG02-98ER45707 08/14/2010 Schlottmann	SC-22.22	Strongly Correlated Electrons	55
FLORIDA STATE UNIVERSITY Tallahassee, FL	DE-FG02-05ER46212 06/30/2011 Engel	SC-22.22	Microwave and rf Spectroscopy of 2D Carrier Systems and Bilayers	102
FLORIDA STATE UNIVERSITY Tallahassee, FL	DE-FG02-07ER46367 04/30/2010 El-Azab	SC-22.22	Multiscale Simulation of Thermo-Mechanical Processes in Irradiated Fission-Reactor Materials	25
FLORIDA STATE UNIVERSITY Tallahassee, FL	DE-FG02-97ER41022 12/31/2011 Prosper, Owens	SC-25	RECOVERY ACT: High Energy Physics	913
FLORIDA STATE UNIVERSITY Tallahassee, FL	DE-FG02-96ER40952 01/31/2011 Van Sciver	SC-25	RECOVERY ACT: Liquid Helium Fluid Dynamics Studies	306
FLORIDA STATE UNIVERSITY Tallahassee, FL	DE-FG02-92ER40735 10/31/2010 Eugenio	SC-26.1	Experimental Hadronic Nuclear Physics	293
FLORIDA STATE UNIVERSITY Tallahassee, FL	DE-FG02-92ER40750 03/14/2013 Piekarewicz	SC-26.1	From Quarks to the Cosmos	225
FLORIDA, UNIVERSITY OF Gainesville, FL	DE-FG02-97ER41029 06/30/2013 Yelton	SC-25	High Energy Experimental and Theoretical Research	2,240
FLORIDA, UNIVERSITY OF Gainesville, FL	DE-FG02-09ER25913 08/31/2012 Sanders	SC-21.1	Super Instruction Architecture for Scalable Parallel Computations	192
FLORIDA, UNIVERSITY OF Gainesville, FL	DE-FG02-03ER15484 03/14/2013 Schanze, Kleiman, Reynolds	SC-22.13	Conjugated Polymers and Polyelectrolytes in Solar Photoconversion	320
FLORIDA, UNIVERSITY OF Gainesville, FL	DE-FG02-05ER15650 07/14/2011 Maupin-Furlow	SC-22.13	Proteasomes and Post-translational Modification of Haloferax volcanii Proteins	126
FLORIDA, UNIVERSITY OF Gainesville, FL	DE-FG02-04ER15621 10/31/2010 Hirata	SC-22.11	Breakthrough Design and Implementation of Many-Body Electron and Vibrational Theories	109

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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-FG02-98ER14853 08/31/2012 Ladd	SC-22.12	Multiscale Modeling of Dissolution in Rough Fractures	194
FLORIDA, UNIVERSITY OF Gainesville, FL	DE-FG02-07ER46368 04/30/2010 Phillpot	SC-22.22	Multiscale Simulation of Thermo-Mechanical Processes in Irradiated Fission-Reactor Materials	130
FLORIDA, UNIVERSITY OF Gainesville, FL	DE-FG02-05ER46247 08/31/2011 Chan	SC-22.22	Collective behaviors of the Casimir force in micromechanical systems	113
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-FG02-99ER45748 01/31/2011 Andraka	SC-22.22	Novel States of matter in filled skutterudites and related materials	102
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	125
FLORIDA, UNIVERSITY OF Gainesville, FL	DE-FG02-07ER46464 05/31/2010 So	SC-22.23	Luminescence in Conjugated Molecular Materials Under Sub-Bandgap Excitations	130
FLORIDA, UNIVERSITY OF Gainesville, FL	DE-FG02-09ER46611 08/31/2012 Trickey	SC-22.22	TMS: Orbital-Free Quantum Simulation Methods for Application to Warm Dense Matter	425
FLORIDA, UNIVERSITY OF Gainesville, FL	DE-FG02-07ER54946 07/31/2010 Dufty	SC-24.2	Correlations in Confined Quantum Plasmas	70
FLORIDA, UNIVERSITY OF Gainesville, FL	DE-FG02-07ER64458 08/14/2010 Vermerris	SC-23.2	Genetic Dissection of Brown Midrib Sweet Sorghum, a Dual-Source Feedstock for Ethanol Productions	250
FLORIDA, UNIVERSITY OF Gainesville, FL	DE-FG02-07ER64498 08/31/2010 de Crecy-Lagard	SC-23.2	Phylogenomics-Guided Validation of Function for Conserved Unknown Genes	240
FLORIDA, UNIVERSITY OF Gainesville, FL	DE-FG02-07ER64499 08/31/2010 Peter	SC-23.2	Integrated Nondestructive Spatial and Chemical Analysis of Lignocellulosic Materials During Pretreatment and	274
FLORIDA, UNIVERSITY OF Gainesville, FL	DE-FG02-08ER64585 06/14/2011 Hatfield	SC-23.1	Novel Sensor for the In Situ Measurement of Uranium Fluxes	375
MIAMI, UNIVERSITY OF 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	113

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
MIAMI, UNIVERSITY OF Miami, FL	DE-FG02-09ER64779 06/14/2012 Mapes	SC-23.1	Parameterizing Convective Organization	170
MIAMI, UNIVERSITY OF Miami, FL	DE-FG02-09ER64841 08/14/2011 Avissar	SC-23.1	Improving Cloud and Precipitation Physics in a Seamless Regional-Global Climate Model	514
ROLLINS COLLEGE Winter Park, FL	DE-FG02-96ER54367 08/31/2009 Griffin	SC-24.2	Theory of Electron-Ion Collisions	29
SOUTH FLORIDA, UNIVERSITY OF Tampa, FL	DE-FG02-09ER16082 09/14/2012 Batzill	SC-22.12	Photocatalysis of Modified Transition Metal Oxide Surfaces	220
SOUTH FLORIDA, UNIVERSITY OF Tampa, FL	DE-FG02-07ER46470 08/14/2010 Eddaoudi	SC-22.23	Design and Synthesis of Novel Porous Metal-Organic Frameworks (MOFs) Toward High Hydrogen Storage Capacity	308
SOUTH FLORIDA, UNIVERSITY OF Tampa, FL	DE-FG02-07ER46438 08/31/2010 Srikanth	SC-22.22	Magnetization Dynamics and Cooperative Phenomena in Charge and Spin Frustrated Correlated Electron Materials	134
SOUTH FLORIDA, UNIVERSITY OF Tampa, FL	DE-FG02-06ER46297 07/14/2012 Woods	SC-22.22	Theoretical Studies of Graphitic Nanostructured Materials Interactions	85
SOUTH FLORIDA, UNIVERSITY OF Tampa, FL	DE-FG02-04ER46145 06/14/2011 Nolas	SC-22.23	A Fundamental Study of Inorganic Type II Clathrate Open-Framework Materials	130
ST. THOMAS UNIVERSITY Miami Gardens, FL	DE-FG02-08CH11479 09/30/2010 Bachrach	SC-23	St. Thomas University - Community Outreach, Research and Training Endeavor (U-CORTE)	554
Total for FL :				16,714

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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-FG02-06ER25729 07/31/2010 Sunderam	SC-21.1	The Harness Workbench: Unified and Adaptive Access to Diverse HPC Platforms	0
EMORY UNIVERSITY Atlanta, GA	DE-FG02-01ER15153 08/14/2010 Heaven	SC-22.12	Spectroscopic and Theoretical Studies of Prototype Actinide Compounds	130
EMORY UNIVERSITY Atlanta, GA	DE-FG02-98ER14918 04/30/2010 Lian	SC-22.1	Ultrafast Interfacial Electron Transfer on Nanocrystalline Thin Films and Single Crystal Surfaces	0
EMORY UNIVERSITY Atlanta, GA	DE-FG02-97ER14782 10/31/2012 Bowman	SC-22.11	Theoretical Studies of Combustion Dynamics	114
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 06/14/2011 Lynn, Conticello	SC-22.13	Engineering Functional Scaffolds by Supramolecular Self-Assembly	257
EMORY UNIVERSITY Atlanta, GA	DE-FG02-07ER15906 08/31/2010 Hill	SC-22.13	Solar Energy-Driven Robust Multi-Electron-Transfer Catalysts for Water Oxidation	390
EMORY UNIVERSITY Atlanta, GA	DE-FG02-07ER54914 12/31/2009 Braams	SC-24.2	Research Dynamics and Spectroscopy of Hydrocarbons in Plasma	109
EMORY UNIVERSITY Atlanta, GA	DE-FG02-09ER64755 05/14/2010 Wang	SC-23.2	Characterization of the Role of Fhit in Maintenance of Genomic Integrity Following Low Dose Radiation, In Vivo and In Vitro	235
S INST., INC., MEDICAL COL. OF Augusta, GA	DE-FG02-03ER63649 12/14/2009 Dyan	SC-23.2	Mechanisms and Pathways Controlling Genomic Instability In Vivo	0
S INST., INC., MEDICAL COL. OF Augusta, GA	DE-FG02-09ER64788 06/30/2012 Dyan	SC-23.2	Links Between Persistent DNA Damage, Genome Instability, and Aging	180
STATE UNIV. RES. FOUND., INC. Atlanta, GA	DE-FG02-09ER64816 07/31/2011 Elliott	SC-23.1	The Natural Enrichment of Stable Cesium in Weathered Micaceous Materials and Its Implications for ¹³⁷ Cs Sorption	81
STATE UNIV. RES. FOUND., INC. Atlanta, GA	DE-FG02-07ER64376 03/14/2011 Chin	SC-23.1	Structure and Function of Subsurface Microbial Communities Affecting Radionuclide Transport and Bioimmobilization	118
STATE UNIV. RES. FOUND., INC. Atlanta, GA	DE-FG02-03ER15486 11/14/2009 Stockman	SC-22.11	Computational Nanophotonics: Modeling Optical Interactions and Transport in Tailored Nanosystem Architectures	0

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
STATE UNIV. RES. FOUND., INC. Atlanta, GA	DE-FG02-03ER15428 10/31/2012 Manson	SC-22.11	Ionization of Free and Confined Atoms and Ions	50
STATE UNIV. RES. FOUND., INC. Atlanta, GA	DE-FG02-01ER15213 10/31/2010 Stockman	SC-22.11	Novel Nanoplasmonics Theory: Energy Transformation Processes at the Nanoscale in Ultrafast and Strong Laser Fields	100
STATE UNIV. RES. FOUND., INC. Atlanta, GA	DE-FG02-98ER41068 03/31/2011 He	SC-26.1	Research in Heavy Ion Nuclear Reactions	150
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
GEORGIA TECH RESEARCH CORP Atlanta, GA	DE-FG02-99ER54538 03/31/2011 Stacey	SC-24.2	Collaborative Analysis of DIII-D	156
GEORGIA TECH RESEARCH CORP Atlanta, GA	DE-FG02-01ER54656 01/31/2013 Yoda	SC-24.2	Advanced Design Studies	150
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	200
GEORGIA TECH RESEARCH CORP Atlanta, GA	DE-FG02-09ER46592 02/28/2013 Kroger	SC-22.23	(Bio)Chemical Tailoring of Biogenic 3-D Nanopatterned Templates With Energy-Relevant Functionalities	150
GEORGIA TECH RESEARCH CORP Atlanta, GA	DE-FG02-09ER55046 08/14/2010 Stacey	SC-24.2	Preparation for DOE Fusion-Fission Workshop (Fall 2009)	50
GEORGIA TECH RESEARCH CORP Atlanta, GA	DE-FC02-09ER55008 01/14/2011 Schwan	SC-24.2	Center for Plasma Edge Simulation (CPES)	54
GEORGIA TECH RESEARCH CORP Atlanta, GA	DE-FG02-01ER63198 01/14/2009 Dickinson	SC-23.1	Systematic Development of a Sub-Grid Scaling Framework to Improve Land Simulation	-333
GEORGIA TECH RESEARCH CORP Atlanta, GA	DE-FG02-97ER45632 12/31/2012 Chou	SC-22.22	First-Principles Investigation of Complex Materials Properties	80
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-FG02-85ER45194 12/31/2010 Tolbert	SC-22.23	The Organic Chemistry of Conducting Polymers: From Molecular Wires to Photovoltaics	205
GEORGIA TECH RESEARCH CORP Atlanta, GA	DE-FG02-07ER46394 07/31/2011 Wang	SC-22.22	Piezoelectric Nanogenerators for Self-Powered Nanosystems and Nanosensors	134

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GEORGIA TECH RESEARCH CORP Atlanta, GA	DE-FG02-06ER46343 05/31/2010 Zhang	SC-22.22	Measurement of Near-Field Thermal Radiation Between Surfaces with a Nanogap	90
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 07/31/2010 Riedo	SC-22.22	NanoMechanics: Elasticity and Friction in Nano-Objects	137
GEORGIA TECH RESEARCH CORP Atlanta, GA	DE-FG02-03ER46035 08/14/2010 Gerhardt	SC-22.21	Microstructural Evolution Detection in Metallic Alloys Using Scattering and Electrical Methods	193
GEORGIA TECH RESEARCH CORP Atlanta, GA	DE-FG02-04ER46141 05/14/2013 Bunz	SC-22.23	Morphosynthesis of Organic Semiconductors and Their Engineered Nanodot Composites	210
GEORGIA TECH RESEARCH CORP Atlanta, GA	DE-FG02-05ER46229 08/31/2011 Chou	SC-22.22	First-Principles Studies of Phase Stability and Reaction Dynamics in Complex Metal Hydrides	150
GEORGIA TECH RESEARCH CORP Atlanta, GA	DE-FG02-96ER40958 08/14/2010 Wood	SC-26.1	Nuclear Structure Research	130
GEORGIA TECH RESEARCH CORP Atlanta, GA	DE-FG02-02ER15337 10/31/2011 Orlando	SC-22.11	Low-Energy Electron Interactions with Liquid Interfaces and Biological Targets	145
GEORGIA TECH RESEARCH CORP Atlanta, GA	DE-FG02-03ER15459 09/14/2012 Jones	SC-22.12	Immobilized Molecular Catalysts from Basic Design Principles to Cascade Reactions	700
GEORGIA TECH RESEARCH CORP Atlanta, GA	DE-FG02-03ER15450 10/31/2012 Raman	SC-22.11	Ultracold sodium and rubidium mixtures: collisions, interactions and heteronuclear molecule formation	140
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	144
GEORGIA TECH RESEARCH CORP Atlanta, GA	DE-FG02-04ER15510 12/14/2011 Koros	SC-22.12	Robust Crosslinked Polyimide Membrane Materials for Natural Gas Separations	158
GEORGIA TECH RESEARCH CORP Atlanta, GA	DE-FG02-07ER15901 04/30/2010 Stack	SC-22.12	Barite Growth and Dissolution at the Molecular Scale	0
GEORGIA TECH RESEARCH CORP Atlanta, GA	DE-FG02-06ER15837 09/14/2010 Liu	SC-22.12	Understanding the Interfacial Structures - Chemistry Relationships in Solid Oxide Fuel Cells (SOFC)	80
GEORGIA TECH RESEARCH CORP Atlanta, GA	DE-FG02-08ER15964 06/30/2011 Sholl	SC-22.12	Ab-Initio Screening of Alloys for Hydrogen Purification Membranes	150

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
GEORGIA TECH RESEARCH CORP Atlanta, GA	DE-FG02-09ER64782 07/31/2012 Loeffler	SC-23.1	MURMoT: Design and Application of Microbial Uranium Reduction Monitoring Tools	222
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
UNIVERSITY OF RESEARCH FOUND. Athens, GA	DE-FG02-09ER64831 08/31/2012 Paterson	SC-23.2	Accelerating the Domestication of Miscanthus for Biofuel Production	669
UNIVERSITY OF RESEARCH FOUND. Athens, GA	DE-FG02-08ER64655 08/14/2010 Harding	SC-23.2	A Functional Genomics Approach to Investigate Regulation of Phenolic Glycoside Metabolism in Populus	0
UNIVERSITY OF RESEARCH FOUND. Athens, GA	DE-FG02-07ER64408 05/14/2010 Summers	SC-23.1	Identifying Biomarkers and Mechanisms of Toxic Metal Stress with Global Proteomics	285
UNIVERSITY OF RESEARCH FOUND. Athens, GA	DE-FG02-07ER64326 10/31/2010 Adams	SC-23.2	Molecular Assemblies, Genes and Genomics Integrated Efficiently (MAGGIE)	570
UNIVERSITY OF RESEARCH FOUND. Athens, GA	DE-FG02-06ER64321 08/31/2010 Leclerc	SC-23.1	A New Carbon Flux Super Site: Innovative Methods of Atmosphere-Terrestrial Carbon Exchange Measurements and Modeling	200
UNIVERSITY OF RESEARCH FOUND. Athens, GA	DE-FG02-05ER15710 08/31/2011 Adams	SC-22.13	Fundamental Studies of Recombinant Hydrogenases	230
UNIVERSITY OF RESEARCH FOUND. Athens, GA	DE-FG02-97ER14748 01/14/2013 Schaefer	SC-22.11	Theoretical Studies of Elementary Hydrocarbon Species and Their Reactions	0
UNIVERSITY OF RESEARCH FOUND. Athens, GA	DE-FG02-96ER14658 11/14/2011 Duncan	SC-22.11	Transition Metal-Molecular Interactions Studied with Cluster Ion Infrared Spectroscopy	174
UNIVERSITY OF RESEARCH FOUND. Athens, GA	DE-FG02-03ER15415 08/14/2012 Ye	SC-22.13	Secondary Wall Formation in Fiber Cells	228
UNIVERSITY OF RESEARCH FOUND. Athens, GA	DE-FG02-96ER20220 06/14/2011 Darvill	SC-22.13	Structural Studies of Complex Carbohydrates of Plant Cell Walls	393
UNIVERSITY OF RESEARCH FOUND. Athens, GA	DE-FG02-96ER20221 06/14/2010 Bergmann, Albersheim	SC-22.13	Structures and Functions of Oligosaccharins	0
UNIVERSITY OF RESEARCH FOUND. Athens, GA	DE-FG02-93ER20097 12/31/2012 Darvill	SC-22.13	Center for Plant and Microbial Complex Carbohydrates	856
UNIVERSITY OF RESEARCH FOUND. Athens, GA	DE-FG02-95ER20175 04/14/2011 Adams	SC-22.13	Hypothermophilic Multiprotein Complexes and Pathways for Energy Conservation and Catalysis	165

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
UNIVERSITY OF RESEARCH FOUND. Athens, GA	DE-FG02-09ER16076 08/31/2012 Gilbert	SC-22.13	Understanding the Mechanism by Which Non-Catalytic Carbohydrate Binding Modules Contribute to Plant Cell Wall Degradation	345
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	121
Total for GA :				10,533

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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	134
HAWAII, UNIVERSITY OF Honolulu, HI	DE-FG02-07ER15885 07/31/2012 Vicic	SC-22.12	Development of Catalytic Alkylation and Fluoroalkylation Methods	175
HAWAII, UNIVERSITY OF Honolulu, HI	DE-FG02-09ER16002 07/31/2010 Jahren	SC-22.12	Development of new Biomarkers for Surficial Earth Processes	107
HAWAII, UNIVERSITY OF Honolulu, HI	DE-FG02-06ER15770 03/31/2010 Wang	SC-22.13	Production and Engineering of Hydrogenase as a Biocatalyst for Hydrogen Fuel	0
HAWAII, UNIVERSITY OF Honolulu, HI	DE-FG02-04ER41291 11/30/2012 Browder, Tata	SC-25	RECOVERY ACT-Research in High Energy Physics	1,880
HAWAII, UNIVERSITY OF Honolulu, HI	DE-FG02-07ER46408 08/31/2010 Ming	SC-22.23	Synthesis of New Diamond-Like B-C Phases Under High Pressures and Temperatures	192
HAWAII, UNIVERSITY OF Honolulu, HI	DE-FG02-07ER64469 08/14/2010 Schneider	SC-23.1	Understanding Annual Cycle-ENSO Interactions in Climate Change Simulations	150
HAWAII, UNIVERSITY OF Honolulu, HI	DE-FG02-07ER64445 07/31/2011 Annamalai	SC-23.1	Future Projections of Mean and Variability of the Asian Summer Monsoon and Indian Ocean Climate Systems	178
HAWAII, UNIVERSITY OF Honolulu, HI	DE-FG02-09ER64776 07/31/2012 Phillips	SC-23.1	Study of Mechanisms of Aerosol Indirect Effects on Glaciated Clouds	68
HAWAII, UNIVERSITY OF Honolulu, HI	DE-FG02-09ER64881 09/14/2010 Fu	SC-23.1	Improve the Representation of Convection-PBL Interactions in Two Global General Circulation Models (CAM & ECHAM)	99
Total for HI :				2,983

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
DUBUQUE, UNIVERSITY OF Dubuque, IA	DE-FG02-09CH11584 05/31/2010 Steiner	SC-23	Phase III of Construction of University Fitness Center and Human Performance LAB	956
IOWA STATE UNIVERSITY Ames, IA	DE-FG02-92ER40692 11/14/2012 Hill	SC-26.1	Relativistic Heavy Ion Physics	580
IOWA STATE UNIVERSITY Ames, IA	DE-FG02-87ER40371 06/14/2011 Vary, Qiu	SC-26.1	Intermediate/High Energy Nuclear Physics	354
IOWA STATE UNIVERSITY Ames, IA	DE-FG02-01ER41155 10/31/2012 Krennrich, Cochran	SC-25	RECOVERY ACT: Investigations in Experimental and Theoretical High Energy Physics	1,231
IOWA STATE UNIVERSITY Ames, IA	DE-FG02-09ER16088 09/14/2012 Zhao	SC-22.12	SISGR: Biomimetic Catalysts Responsive to Specific Chemical Signals	236
IOWA STATE UNIVERSITY Ames, IA	DE-FG02-94ER20147 08/31/2010 Rodermel	SC-22.13	Regulation of chloroplast biogenesis: the immutans mutant of Arabidopsis	170
IOWA STATE UNIVERSITY Ames, IA	DE-FG02-01ER63250 03/14/2011 Gutowski	SC-23.1	Collaborative Research: Continuous Dynamic Grid Adaptation in a Global Atmospheric Model: Application and Refinement	103
IOWA STATE UNIVERSITY Ames, IA	DE-FG02-07ER41497 08/31/2010 Krennrich	SC-25	A Fast Topological Trigger for Real Time Analysis of Nanosecond Time Scale Phenomena: Opening the Gamma Ray Window to Our Universe	0
IOWA STATE UNIVERSITY Ames, IA	DE-FG02-09ER41622 08/14/2010 Hauptman	SC-25	4th Letter of Intent R&D for the Development of the 4th Concept Detector.	155
IOWA STATE UNIVERSITY Ames, IA	DE-FC02-09ER41582 11/30/2011 Vary	SC-26.1	Building a Universal Nuclear Energy Density Functional	136
IOWA STATE UNIVERSITY Ames, IA	DE-FG02-07ER64463 08/14/2011 Gutowski	SC-23.1	Collaborative Research: Towards Advanced Understanding and Predictive Capability of Climate Change in the Arctic Using a	112
IOWA STATE UNIVERSITY Ames, IA	DE-FG02-08ER64559 05/14/2011 Wu	SC-23.1	Understanding and Improving CRM and GCM Simulations of Cloud Systems with ARM Observations	110
IOWA STATE UNIVERSITY Ames, IA	DE-FG02-08ER64664 09/14/2011 Marek	SC-23.2	Genomics of Wood Formation and Cellulosic Biomass Traits in Sunflower	30
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	347
IOWA, UNIVERSITY OF Iowa City, IA	DE-FG02-07ER64368 03/14/2011 Scherer	SC-23.1	Coupled Microbial, Geochemical, and Mineralogical Controls on Biogenic Fe II Speciation and Reactivity	101

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IOWA, UNIVERSITY OF Iowa City, IA	DE-FG02-06ER41415 05/31/2010 Onel	SC-26.1	Forward Angle Physics at CMS	0
IOWA, UNIVERSITY OF Iowa City, IA	DE-FG02-06ER54890 07/31/2011 Kletzing	SC-24.2	Collaborative Research: Laboratory Investigation of Alfvénic Field Line Resonances and Electron Acceleration	0
IOWA, UNIVERSITY OF Iowa City, IA	DE-FG02-06ER54893 07/31/2010 Scudder	SC-24.2	Role of Electron Kinetic Effect on the Macroscopic Structure and Evolution of Collisionless Reconnection in Simulations with Open Boundary Conditions	0
IOWA, UNIVERSITY OF Iowa City, IA	DE-FG02-07ER54943 07/31/2010 Pickett	SC-24.2	Collaborative Research: Dynamics of Electrostatic Solitary Waves on Current Layers	5
IOWA, UNIVERSITY OF Iowa City, IA	DE-FG02-04ER54795 08/14/2010 Merlino	SC-24.2	RECOVERY ACT - Basic Laboratory Studies of Shear Driven Ion Cyclotron Waves and Dusty Plasmas with Positively Charged Particles	214
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-FG02-00ER54607 08/14/2010 Goree	SC-24.2	Strongly-Coupled Dusty Plasmas	0
IOWA, UNIVERSITY OF Iowa City, IA	DE-FG02-86ER40286 05/31/2013 Polyzou	SC-26.1	Relativistic Few-Body Hadronic-Physics Calculations	160
IOWA, UNIVERSITY OF Iowa City, IA	DE-FG02-91ER40664 02/28/2013 Mallik	SC-25	RECOVERY ACT: High Energy Physics	770
LUTHER COLLEGE Decorah, IA	DE-FG02-08CH11489 05/30/2010 Kraus, Orvis	SC-23	Valders Hall of Science Building Project	924
NORTHERN IOWA, UNIVERSITY OF Cedar Falls, IA	DE-FG02-03CH11148 12/31/2009 Pilkington	SC-23	University of Northern Iowa Business and Community Services Building - Phase II Design and Construction	0
Total for IA :				6,854

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
BOISE STATE UNIVERSITY Boise, ID	DE-FG02-07ER46396 07/14/2011 Mullner	SC-22.22	The Inverse Magnetoplastic Effect of Magnetic Shape-Memory Alloys	143
IDAHO STATE UNIVERSITY Pocatello, ID	DE-FG02-06ER15824 08/31/2010 Magnuson	SC-22.12	Redox Interactions of Cytochromes and Bacteria With Oxide Surfaces: Probing Redox-Linked Conformational Change	0
IDAHO STATE UNIVERSITY Pocatello, ID	DE-FG02-09CH11582 12/31/2010 Horrocks	SC-23	Investigation of Photo-Nuclear Production of Isotopes with Electron Linacs at Idaho State University	316
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	381
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	410
IDAHO STATE UNIVERSITY Pocatello, ID	DE-FG02-04ER46142 08/14/2010 Rodriguez	SC-22.21	Incorporation of Novel Nanostructured Materials into Solar Cells and Nanoelectronic Devices	498
IDAHO STATE UNIVERSITY Pocatello, ID	DE-FG02-09ER64910 11/28/2010 Wells	SC-23.2	Investigations of 18F, 67Cu, 99Mo/99Tc, and 131Ba/131Cs Isotope Production with Photo-Nuclear Reactions	608
IDAHO, UNIVERSITY OF Moscow, ID	DE-FG02-07ER64404 05/31/2011 Smith	SC-23.1	Field Investigations of Microbially Facilitated Calcite Predipitation for Immobilization of Strontium-90 and Other Trace Metals in the Subsurface	210
IDAHO, UNIVERSITY OF Moscow, ID	DE-FG02-06ER64198 11/30/2009 Crawford	SC-23.1	Coupled Biogeochemical Process Evaluation for Conceptualizing Trichloroethylene Co-metabolism	0
IDAHO, UNIVERSITY OF Moscow, ID	DE-FG02-06ER64244 02/28/2010 Smith	SC-23.1	Coupling Between Flow and Precipitation in Heterogeneous Subsurface Environments and Effects on Contaminant Fate and Transport	0
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	419
IDAHO, UNIVERSITY OF Moscow, ID	DE-FG02-06ER15777 04/30/2010 Qiang	SC-22.12	Reaction Specificity of Nanoparticles in Solution: Application to the Reaction of Nanoparticulate Iron & Iron-Bimetal Compounds with Chlorinated Hydrocarbons	0
IDAHO, UNIVERSITY OF Moscow, ID	DE-FG02-03ER41270 07/31/2012 Sammarruca	SC-26.1	Nuclear Theory at the University of Idaho	60

Total for ID :

3,045

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AGO OFFICE OF THE BOARD OF ED. Chicago, IL	DE-FG02-08ER64714 09/14/2010 Loehr	SC-23.2	CPS Science Laboratory Enhancement Project	0
CHICAGO STATE UNIVERSITY Chicago, IL	DE-FG02-08CH11480 08/31/2010 Pogue, Lindsey	SC-23	Science and Technology Center Planning and Design	0
CHICAGO, UNIVERSITY OF Chicago, IL	DE-FG02-94ER14466 08/14/2011 Sutton	SC-22.1	GeoSoilEnviroCARS: A National Resource for Earth, Planetary, Soil and Environmental Science Research at the Advanced Photon Source	761
CHICAGO, UNIVERSITY OF Chicago, IL	DE-FG02-92ER14244 11/14/2011 Sutton	SC-22.12	Synchrotron X-Ray Microprobe and Microspectroscopy Research In Low Temperature Geochemistry	282
CHICAGO, UNIVERSITY OF Chicago, IL	DE-FG02-92ER14305 03/31/2011 Butler	SC-22.11	Dynamics of Product Branching in Elementary Combustion Reactions	149
CHICAGO, UNIVERSITY OF Chicago, IL	DE-FG02-01ER15254 01/31/2011 Richter	SC-22.12	Kinetic Isotope Fractionation by Diffusion in Liquids	180
CHICAGO, UNIVERSITY OF Chicago, IL	DE-FG02-07ER15910 08/31/2010 Hopkins	SC-22.13	New Transition Metal Building Blocks and Assemblies for Photocatalytic Fuel Production	160
CHICAGO, UNIVERSITY OF Chicago, IL	DE-FG02-07ER15865 05/14/2013 He	SC-22.12	Selective Recognition of Heavy Elements by Protein-Based Reagents	220
CHICAGO, UNIVERSITY OF Chicago, IL	DE-FG02-09ER25883 08/31/2012 Birge	SC-21.1	Stochastic Optimization of Complex Systems	156
CHICAGO, UNIVERSITY OF Chicago, IL	DE-FG02-09ER16092 09/14/2011 Sutton	SC-22.12	SISGR - Canted Undulator Upgrade for GeoSoilEnviroCARS (Sector 13) at the Advanced Photon Source	422
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-FG02-90ER40560 10/31/2012 Martinec	SC-25	Participation in High Energy Physics	1,047
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	97
CHICAGO, UNIVERSITY OF Chicago, IL	DE-FG02-09ER25912 08/31/2011 Khokhlov	SC-21.1	First-Principles Petascale Simulations for Predicting Deflagration to Detonation Transition in Hydrogen-Oxygen Mixtures	224
CHICAGO, UNIVERSITY OF Chicago, IL	DE-FG02-06ER46321 12/31/2010 Rice	SC-22.23	Experimental and Theoretical Studies of the Liquid-Solid and Liquid-Vapor Interfaces of Metals and Alloys	0

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CHICAGO, UNIVERSITY OF Chicago, IL	DE-FG02-06ER46326 08/14/2012 Guyot-Sionnest	SC-22.22	Colloidal Quantum Dot Films. Transport and Magnetotransport	126
CHICAGO, UNIVERSITY OF Chicago, IL	DE-FG02-03ER46088 04/30/2013 Nagel	SC-22.22	Studies of the Marginally Jammed Solid	115
CHICAGO, UNIVERSITY OF Chicago, IL	DE-FG02-99ER45789 11/30/2011 Rosenbaum	SC-22.22	Coherent Excitations in Disordered Quantum Materials	150
CHICAGO, UNIVERSITY OF Chicago, IL	DE-FG02-09ER41614 07/14/2010 Frisch	SC-25	Development of Large Area Photo Detectors	175
CHICAGO, UNIVERSITY OF Chicago, IL	DE-FG02-07ER64501 08/31/2010 Kent	SC-23.2	Use of Modern Chemical Protein Synthesis and Advanced Fluorescent Assay Techniques to Experimentally Validate the Functional	460
CHICAGO, UNIVERSITY OF Chicago, IL	DE-FG02-05ER64086 12/31/2009 Grdina	SC-23.2	Prevention of Low Dose Radiation-Induced Genomic Instability with Clinically Relevant Non-Protein Thiols and Vitamin E	0
DEPAUL UNIVERSITY Chicago, IL	DE-FC02-06ER41441 03/14/2011 Di Pierro	SC-25	SciDAC: National Computational Infrastructure for Lattice Gauge Theory	70
DEPAUL UNIVERSITY Chicago, IL	DE-FG02-08CH11502 09/30/2009 Petcher	SC-23	Congressionally-mandated construction grant for "Enhancing the Learning Environment for Interdisciplinary Science and Technology"	0
DOMINICAN UNIVERSITY River Forest, IL	DE-FG02-09ER64914 09/28/2010 Calin-Jageman	SC-23.2	A Program for Undergraduate Research into the Mechanisms of Sensory Coding and Memory Decay	462
DOMINICAN UNIVERSITY River Forest, IL	DE-FG02-08CH11516 06/30/2009 Craig	SC-23	Capital Equipment for Two Laboratories that Support the Study of Neuroscience	0
ILLINOIS INST. OF TECHNOLOGY Chicago, IL	DE-FG02-01ER41159 01/14/2011 Torun, Kaplan	SC-25	Participation in Muon Collider/Neutrino Factory Research and Development	78
ILLINOIS INST. OF TECHNOLOGY Chicago, IL	DE-FG02-94ER40840 03/31/2012 White	SC-25	RECOVERY ACT: Participation in High Energy Physics	387
ILLINOIS INST. OF TECHNOLOGY Chicago, IL	DE-FG02-09ER25884 08/31/2012 Hickernell	SC-21.1	Multiscale Math and Optimization for Complex Systems	60
ILLINOIS INST. OF TECHNOLOGY Chicago, IL	DE-FC02-06ER41442 03/14/2011 Sun	SC-25	SciDAC: National Computational Infrastructure for Lattice Gauge Theory	30
ILLINOIS, UNIVERSITY OF Champaign, IL	DE-FG02-01ER45923 03/14/2011 Zuo	SC-22.21	Quantitative Electron Nano-Crystallography	158

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ILLINOIS, UNIVERSITY OF Champaign, IL	DE-FG02-02ER46019 11/30/2012 Granick	SC-22.23	Phospholipid Vesicles in Materials Science	281
ILLINOIS, UNIVERSITY OF Champaign, IL	DE-FG02-03ER46026 07/31/2011 Johnson	SC-22.22	A Thermodynamic Density-Functional Theory and High-Performance Code for Complex Materials with up to Multi-Million-Atom	195
ILLINOIS, UNIVERSITY OF Champaign, IL	DE-FG02-05ER46260 09/14/2011 Gewirth	SC-22.23	Cathode Catalysis in Hydrogen/Oxygen Fuel Cells: Mechanism, New Materials, and Characterization	350
ILLINOIS, UNIVERSITY OF Champaign, IL	DE-FG02-05ER46217 08/14/2010 Averback	SC-22.22	Microstructural Evolution and Mechanical Response of Complex Alloys Under Prolonged Particle Irradiation	300
ILLINOIS, UNIVERSITY OF Champaign, IL	DE-FG02-07ER46418 07/31/2010 Suslick	SC-22.22	Nano-Oxide Photocatalysis for Solar Energy Conversion	250
ILLINOIS, UNIVERSITY OF Champaign, IL	DE-FG02-07ER46443 04/30/2011 Robertson	SC-22.21	Visualization and Qualification of Deformation Processes Controlling the Mechanical Response of Alloys in	134
ILLINOIS, UNIVERSITY OF Champaign, IL	DE-FG02-07ER46383 05/31/2013 Chiang	SC-22.21	Quantum Physics of Surface-Based Nanoscale Systems	241
ILLINOIS, UNIVERSITY OF Champaign, 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	247
ILLINOIS, UNIVERSITY OF Champaign, IL	DE-FG02-09ER46669 05/14/2013 Lev	SC-22.21	Atom Chip Microscopy: A Novel Probe for Stronly Correlated Materials	170
ILLINOIS, UNIVERSITY OF Champaign, IL	DE-FG02-99ER54515 01/14/2011 Ruzic	SC-24.2	Surface Interactions for Controlled Nuclear Fusion	174
ILLINOIS, UNIVERSITY OF Champaign, IL	DE-FG02-09ER46553 11/14/2009 Greene	SC-22.22	Workshop on Fe-Pnictide and Related Superconductors (November 16-17, 2008)	5
ILLINOIS, UNIVERSITY OF Champaign, IL	DE-FG02-07ER46471 07/31/2010 Moore	SC-22.23	Programming Function via Soft Materials	1,500
ILLINOIS, UNIVERSITY OF Champaign, IL	DE-FG02-07ER46459 07/31/2010 Cahill	SC-22.21	Strongly Driven Transformations in Materials	300
ILLINOIS, UNIVERSITY OF Champaign, IL	DE-FG02-07ER46453 07/31/2010 Goldbart	SC-22.22	Quantum Materials at the Nanoscale	1,715
ILLINOIS, UNIVERSITY OF Champaign, IL	DE-FG02-08ER54992 05/31/2011 Ruzic	SC-24.2	LLD and SOL Interactions on NSTX	125

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ILLINOIS, UNIVERSITY OF Champaign, IL	DE-FG02-09ER55051 08/14/2012 Eden	SC-24.2	RECOVERY ACT - Scaling of Microactivity Plasmas Toward LUM: Science and Engineering of Spatially-Confined, Low	67
ILLINOIS, UNIVERSITY OF Champaign, IL	DE-FG02-04ER54765 04/14/2012 Ruzic	SC-24.2	Study of Breakdown/Arcing in High Power RF Antennas	55
ILLINOIS, UNIVERSITY OF Champaign, IL	DE-FG02-08ER25835 03/31/2012 Gropp	SC-21.1	Enhancing the MPI Programming Model for Petascale Systems	147
ILLINOIS, UNIVERSITY OF Champaign, IL	DE-FG02-91ER40677 10/31/2012 Liss, Thaler	SC-25	Research on Elementary Particle Physics	2,458
ILLINOIS, UNIVERSITY OF Champaign, 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	200
ILLINOIS, UNIVERSITY OF Champaign, IL	DE-FG02-08ER15960 06/14/2011 Dikanov	SC-22.13	Mechanistic Studies of Catalysis in Quinone Electron Transfer Using High-Resolution EPR	200
ILLINOIS, UNIVERSITY OF Champaign, IL	DE-FG02-08ER15961 06/14/2011 Bass	SC-22.12	Aqueous Geochemistry at High Pressures and Temperatures	155
ILLINOIS, UNIVERSITY OF Champaign, IL	DE-FG02-90ER14146 02/29/2012 Rauchfuss	SC-22.12	Cyanometallates, Their Cages, and Associated Host-Guest Behavior	242
ILLINOIS, UNIVERSITY OF Champaign, IL	DE-FG02-02ER15317 06/30/2011 Bethke	SC-22.1	Field-Constrained Quantitative Model of the Origin of Microbial and Geochemical Zoning in a Confined Fresh-Water Aquifer	141
ILLINOIS, UNIVERSITY OF Champaign, IL	DE-FG02-02ER15296 05/31/2011 Metcalf	SC-22.13	Genetic Analysis of Hydrogenotrophic Methanogenesis in Methanosarcina Species	176
ILLINOIS, UNIVERSITY OF Champaign, IL	DE-FG02-06ER64261 06/30/2010 Walsh	SC-23.1	Use of ARM Products in Reanalysis Applications and IPCC Model Assessment	0
ILLINOIS, UNIVERSITY OF Champaign, IL	DE-FC02-07ER64323 11/14/2011 Valocchi	SC-23.1	Modeling Multiscale-Multiphase-Multicomponent Subsurface Reactive Flows Using Advanced Computing	62
ILLINOIS, UNIVERSITY OF Champaign, IL	DE-FG02-05ER64144 09/14/2010 Woese	SC-23.2	Role of Horizontal Gene Transfer as a Control on the Coevolution of Ribosomal Proteins and the Genetic Code	0
ILLINOIS, UNIVERSITY OF Champaign, IL	DE-FG02-04ER63849 12/31/2010 DeLucia	SC-23.1	Genomic Regulation of the Response of an Agroecosystem to Elements of Global Change	250
ILLINOIS, UNIVERSITY OF Champaign, IL	DE-FG02-07ER64405 05/31/2010 Johnson	SC-23.1	Chromium Isotopes as Indicators of Hexavalent Chromium Reduction	116

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ILLINOIS, UNIVERSITY OF Champaign, IL	DE-FG02-07ER64374 03/14/2010 Stucki	SC-23.1	Structure and Function of Subsurface Microbial Communities Affecting Radionuclide Transport and Bio-Immobilization	97
ILLINOIS, UNIVERSITY OF Champaign, IL	DE-FG02-07ER64378 03/31/2010 McFarquhar	SC-23.1	Chief Scientist for Atmospheric Radiation Measurement (ARM) Aerial Vehicle Program (AAVP)	50
ILLINOIS, UNIVERSITY OF Champaign, IL	DE-FG02-08ER64533 04/14/2011 Bond	SC-23.1	Optical Properties of Moderately-Absorbing Organic and Mixed Organic/Inorganic Particles at Very High Humidities	105
ILLINOIS, UNIVERSITY OF Champaign, IL	DE-FG02-07ER64503 08/31/2010 Khanna	SC-23.2	Meeting the Demand for Biofuels: Impact on Land Use and Carbon Mitigation	182
ILLINOIS, UNIVERSITY OF Champaign, IL	DE-FG02-09ER64781 07/31/2012 Sanford	SC-23.1	MURMoT: Design and Application of Microbial Uranium Reduction Monitoring Tools	118
ILLINOIS, UNIVERSITY OF Champaign, 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	150
ILLINOIS, UNIVERSITY OF Champaign, IL	DE-FG02-09ER64845 08/14/2011 Liang	SC-23.1	Optimizing the Cloud-Aerosol-Radiation Ensemble Modeling System to Improve Future Climate Change Projections at Regional to Local Scales	600
ILLINOIS, UNIVERSITY OF Champaign, 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	162
ILLINOIS, UNIVERSITY OF Champaign, IL	DE-FG02-08ER64568 05/31/2011 Lu	SC-23.1	Novel Catalytic DNA Biosensors for Radionuclides and Metal Ions	199
ILLINOIS, UNIVERSITY OF Chicago, IL	DE-FG02-09ER64895 09/14/2012 Nagy	SC-23.1	Mercury Release from Organic Matter (OM) and OM-Coated Mineral Surfaces	191
ILLINOIS, UNIVERSITY OF Chicago, IL	DE-FG02-06ER64193 02/28/2010 Nagy	SC-23.1	Nucleation and Precipitation Processes in the Vandose Zone During Contaminant Transport	0
ILLINOIS, UNIVERSITY OF Chicago, IL	DE-FG02-03ER15381 01/14/2012 Sturchio	SC-22.12	Mineral-Fluid Interactions: Synchrotron Radiation Studies at the Advanced Photon Source	59
ILLINOIS, UNIVERSITY OF Chicago, IL	DE-FG02-85ER13384 06/30/2009 Kiefer	SC-22.1	Kinetics of Combustion-Related Processes at High Temperatures	0
ILLINOIS, UNIVERSITY OF Chicago, IL	DE-FG02-03ER15488 11/14/2009 Ogut	SC-22.11	Computational Nanophotonics: Modeling Optical Interactions and Transport in Tailored Nanosystem Architectures	0
ILLINOIS, UNIVERSITY OF Chicago, IL	DE-FG02-84ER40173 06/30/2012 Keung	SC-25	Studies in Theoretical High Energy Particle Physics	82

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ILLINOIS, UNIVERSITY OF 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	33
ILLINOIS, UNIVERSITY OF Chicago, IL	DE-FG02-94ER40865 05/14/2010 Hofman	SC-26.1	Heavy Ion Nuclear Physics Research at the University of Illinois at Chicago	430
ILLINOIS, UNIVERSITY OF Chicago, IL	DE-FG02-09ER16072 02/29/2012 Ogut	SC-22.11	Manipulating Light With Transition Metal Clusters and Dyes	99
ILLINOIS, UNIVERSITY OF Chicago, IL	DE-FG02-08ER46538 08/31/2011 Murad	SC-22.23	Observation and Simulations of Transport of Molecules and Ions Across Model Membranes	115
ILLINOIS, UNIVERSITY OF Chicago, IL	DE-FG02-05ER46225 08/14/2011 Morr	SC-22.22	Non-Equilibrium Physics at the Nanoscale	70
ILLINOIS, UNIVERSITY OF Urbana, IL	DE-FG02-09ER25895 09/14/2012 Kale	SC-21.1	HPC Colony II	250
ILLINOIS, UNIVERSITY OF Urbana, IL	DE-FG02-87ER13716 08/31/2010 Gennis	SC-22.13	Studies on Cytochrome bo3 from E. coli	169
ILLINOIS, UNIVERSITY OF 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
ILLINOIS, UNIVERSITY OF Urbana, IL	DE-FG02-09ER64876 09/14/2011 Meng	SC-23.2	A CdZnTe Detector for MRI-Compatible SPECT Systems	598
NORTHERN ILLINOIS UNIVERSITY DeKalb, IL	DE-FG02-09ER41612 07/31/2010 Zutshi	SC-25	Design and Prototyping of a High Granularity Scintillator Calorimeter	95
NORTHERN ILLINOIS UNIVERSITY DeKalb, IL	DE-FG02-08ER41532 01/31/2011 Piot	SC-25	RECOVERY ACT: Nonlinear Dynamics & Phase Space Manipulations of High-Brightness Electron Beams: Theories, Simulations, and	98
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
NORTHWESTERN UNIVERSITY Chicago, IL	DE-FG02-07ER64342 12/14/2009 Woloschak	SC-23.2	Radioprotectors and Tumors: Molecular Studies in Mice	274
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-05ER46255 08/31/2011 Barnett	SC-22.22	High Performance Nano-Crystalline Oxide Fuel Cell Materials: Defects, Structures, Interfaces, Transport, and	500

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NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-05ER46248 06/30/2011 Halperin	SC-22.22	Antiferromagnetism and Superconductivity	165
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-06ER46346 10/31/2010 Chandrasekhar	SC-22.21	Epitaxial Multifunctional Oxide Heterostructures	174
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-07ER46356 10/31/2012 Kanatidis	SC-22.23	Chemistry and Properties of Complex Intermetallics from Metallic Fluxes	150
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-07ER46401 07/14/2011 Lauhon	SC-22.22	Imaging Carrier Generation, Transport, and Collection in Nanostructured Materials	129
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-07ER46444 07/31/2010 Dravid	SC-22.21	Statics and Dynamics of Dimensionally and Spatially Constrained Ceramic Oxides	177
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-07ER46433 08/14/2010 Wolverton	SC-22.22	Kinetics and Thermodynamics of Metal and Complex Hydride Nanoparticles	259
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-08ER41567 08/31/2010 Ulmer	SC-25	Magnified Weak Lensing Cross Correlation Tomography with Massive Rich Clusters of Galaxies	5
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-05ER41397 08/31/2010 Velasco	SC-25	Development of Beam Instrumentation for CLIC at the CTF3 Facility at CERN	46
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 10/31/2010 Dutta	SC-22.23	In Situ X-ray Studies of Adsorption, Nucleation, and Self-Assembly at Soft and Hard Surfaces	189
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-98ER45721 03/14/2011 Dunand	SC-22.22	Mechanical Properties and Microstructural Evolution in Al-Li-Sc-Yb Alloys Containing Multi-Shell Nanosize Precipitates	154
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-01ER45945 03/14/2011 Marks	SC-22.21	New Methods for Atomic Structure Determination of Materials	140
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-99ER45782 08/14/2011 Voorhees	SC-22.23	Three-Dimensional Evolution of Dendritic Mixtures	175
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-00ER45810 05/14/2011 Stupp	SC-22.23	Nanoengineering of Complex Materials	500
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-08ER46539 08/31/2011 Olvera de la Cruz	SC-22.23	Electrostatic Driven Self-Assembly Design of Functional Nanostructures	175

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NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-08ER46536 08/31/2011 Marks	SC-22.23	Materials Science of Electrodes and Interfaces for High-Performance Organic Photovoltaics	400
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-09ER46585 07/31/2014 Grzybowski	SC-22.23	RECOVERY ACT - Center for Integrated Training in Far-From-Equilibrium and Adaptive Materials (CITFAM) -- EPRC	19,000
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-03ER15487 05/14/2009 Schatz	SC-22.11	Computational Nanophotonics: Modeling Optical Interactions and Transport in Tailored Nanosystem Architectures	0
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-FG02-04ER15612 10/31/2010 Seideman	SC-22.11	New Directions in Intense Laser Alignment	100
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-06ER15787 05/31/2010 Geiger	SC-22.12	Surface Charge Densities and Acidities of Biogeochemically Important Organic Adlayers at Mineral/Water Interfaces Studied by Nonlinear Optics	120
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-08ER15980 08/31/2011 Andrade	SC-22.12	Multiscale Framework for Predicting the Coupling Between Deformation and Fluid Diffusion in Porous Rocks	109
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-08ER15967 04/30/2011 Hupp	SC-22.12	Coordination-Chemistry-Devived Materials Featuring Nanoscale Porosity and Selective Chemical Separation	215
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-FG02-97ER14789 10/31/2009 Stair	SC-22.1	Raman Spectroscopy of Working Catalysts	145
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-96ER14684 07/14/2011 Lewis	SC-22.13	Light-Driven Charge Transfer in Face-to-Face Donor-Spacer-Acceptor Supramolecular Systems	160
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-99ER14999 04/14/2012 Wasielewski	SC-22.13	Approaches to Integrated Photochemical Systems for Solar Energy Conversion	329
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-01ER15184 10/31/2010 Kung	SC-22.1	Molecular Nanocages for Catalysis: An Investigation of Effect of Active Site Environment	160
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-93ER14344 08/31/2009 Rudnicki	SC-22.12	Approaches to Some of the Outstanding Problems in the Heterogeneous Compactive Deformation of Geomaterials	0
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	231

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-86ER13511 11/14/2010 Marks	SC-22.12	Supported Organometallic Complexes: Surface Chemistry, Spectroscopy, Catalysis, and Homogeneous Models	184
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-98ER41086 12/31/2010 Segel	SC-26.1	Physics with Rare Isotope Beams	65
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-FG02-87ER40344 11/30/2010 Seth	SC-26.1	Strong Interaction Studies with Medium Energy Probes	365
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-91ER40684 11/30/2012 Schellman	SC-25	High Energy Physics Research	1,250
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-08ER25848 07/14/2011 Choudhary	SC-21.1	Active Storage with Analytics Capabilities and I/O Runtime System for Petascale Systems	207
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FC02-07ER25808 11/14/2011 Choudhary	SC-21.1	Scientific Data Management Center for Enabling Technologies (CET)	194
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-09ER16109 09/14/2012 Hersam	SC-22.11	SISGR - Single Molecule Chemical Imaging at Femtosecond Time Scales	750
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FC02-01ER25485 08/14/2008 Choudhary	SC-21.1	Scientific Data Management Integrated Software Infrastructure Center	-1
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-87ER25047 01/14/2011 Nocedal	SC-21.1	Nonlinear Optimization and Applications	112
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-09ER16030 07/31/2014 Wasielewski	SC-22.11	Argonne-Northwestern Solar Energy Research (ANSER) Center -- EFRC	3,000
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	899
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-09ER64819 08/31/2010 Marks	SC-23.2	Northwestern University Facility for Clean Catalytic Process Research	924
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-09ER64905 09/14/2010 Shekhawat	SC-23.2	Development of Scanning Near-Field Ultrasound Holography as an Add-On Module for AFM Systems	924
ROOSEVELT UNIVERSITY Chicago, IL	DE-FG02-08CH11485 12/31/2010 Trubatch, Durnil	SC-23	Improvement of Instructional Biology Laboratory Equipment at Roosevelt University	0

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
FRANKLIN UNIV OF MED & SCIENCE North Chicago, IL	DE-FG02-09ER64904 09/14/2010 Peterson	SC-23.2	Research Recruiting Endogenous Tissue Stem Cells to Repair Injury and Degeneration	462
SOUTHERN ILLINOIS UNIVERSITY Carbondale, IL	DE-FG02-09ER64915 09/28/2012 Koropchak	SC-23.2	Professional Science Master's in Advanced Energy and Fuels Management Program	416
SOUTHERN ILLINOIS UNIVERSITY Carbondale, IL	DE-FG02-06ER46291 06/30/2010 Ali, Stadler	SC-22.22	Understanding Compound Phase Transitions in New Heusler Alloy Colossal Magnetocaloric Materials	192
SOUTHERN ILLINOIS UNIVERSITY Carbondale, IL	DE-FG02-05ER46231 08/31/2011 Ge	SC-22.22	First Principles Based Simulation of Hydrogen Interactions in Complex Hydrides and Other Hydrogen Storage Materials	163
SOUTHERN ILLINOIS UNIVERSITY 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	254
WHEATON COLLEGE Wheaton, IL	DE-FG02-08ER55002 07/31/2011 Craig	SC-24.2	Experimental Study of Impulsive Reconnection in a Current Carrying Arcade	133
Total for IL :				57,508

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
INDIANA STATE UNIVERSITY Terre Haute, IN	DE-FG02-06ER46304 08/14/2010 Zhang	SC-22.22	Laser-Induced Ultrafast Magnetization in Ferromagnets	20
INDIANA UNIVERSITY Bloomington, IN	DE-FG02-06ER46279 03/14/2012 Pynn	SC-22.21	Development of a New Methods for Studying Nanostructures Using Neutron Scattering	215
INDIANA UNIVERSITY Bloomington, IN	DE-FG02-03ER46093 11/14/2012 Snow	SC-22.21	Polarized 3He in Neutron Scattering	281
INDIANA UNIVERSITY Bloomington, IN	DE-FC02-06ER41443 03/14/2011 Gottlieb	SC-25	SciDAC: National Computational Infrastructure for Lattice Gauge Theory	54
INDIANA UNIVERSITY Bloomington, IN	DE-FG02-05ER41374 04/14/2010 Shepherd	SC-26.1	Understanding QCD in the Light Meson Sector (With Emphasis on Mapping Gluonic Excitations) Using Pion and Photon Probes	321
INDIANA UNIVERSITY Bloomington, IN	DE-FG02-08ER41564 12/14/2009 Mufson	SC-25	Response Functions for Logarithmically Spaced Interference Filters for the Accurate Calibration of Dark Energy Missions	0
INDIANA UNIVERSITY Bloomington, IN	DE-FG02-09ER46647 09/14/2011 Pynn	SC-22.21	SISGR: Upgrade of the Polarized Neutron Reflectometer ASTERIX at the Los Alamos Neutron Science Center	793
INDIANA UNIVERSITY Bloomington, IN	DE-FC02-06ER54865 01/14/2011 Bramley	SC-24.2	Computational Science in Fusion Energy - Center for Simulation of Wave Interactions with Magnetohydrodynamics	72
INDIANA UNIVERSITY Bloomington, IN	DE-FG02-02ER15312 02/14/2009 Estelle	SC-22.13	Function of the Arabidopsis TIR1/AFB Auxin Receptors in Growth and Development	0
INDIANA UNIVERSITY Bloomington, IN	DE-FG02-98ER14890 12/14/2010 Hieftje	SC-22.12	Elucidation and Reduction of Interference Effects in Inductively Coupled Plasma Spectrometry	145
INDIANA UNIVERSITY Bloomington, IN	DE-FG02-00ER15032 03/31/2010 Schimmelmann	SC-22.12	Significance of Isotopically Labile Organic Hydrogen in the Thermal Maturation of Source Rocks	0
INDIANA UNIVERSITY Bloomington, IN	DE-FG02-07ER15889 01/31/2011 Jarrold	SC-22.11	Probing Catalytic Activity in Defect Sites in Transition Metal Oxides and Sulfides Using Cluster Models: A Combined Experiment and Theoretical Approach	140
INDIANA UNIVERSITY Bloomington, IN	DE-FG02-07ER15893 08/14/2010 Mindiola	SC-22.12	Carboamination and Hydrophosphination of Alkynes Using Titanium Precatalysts. An Efficient Approach to Catalytic C-N, C-C,	140
INDIANA UNIVERSITY Bloomington, IN	DE-FG02-87ER40365 03/31/2011 Horowitz, Serot, Szczepaniak	SC-26.1	Theoretical Studies in Nuclear and Hadronic Physics	310
INDIANA UNIVERSITY Bloomington, IN	DE-FG02-88ER40404 12/31/2009 De Souza	SC-26.1	Many-Body Nuclear Dynamics	338

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
INDIANA UNIVERSITY Bloomington, IN	DE-FG02-91ER40661 10/31/2012 Ogren, Kosteletzky, Musser	SC-25	RECOVERY ACT: High Energy Experimental and Theoretical Particle Physics	1,508
INDIANA UNIVERSITY 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
INDIANA UNIVERSITY Bloomington, IN	DE-FG02-09ER16068 08/14/2012 Flood	SC-22.12	Binding Anions Selectively With Modular Triazolophanes and Releasing Them With Light	170
INDIANA UNIVERSITY Bloomington, IN	DE-FC02-07ER25804 11/14/2010 Bramley	SC-21.1	Center for Technology for Advanced Scientific Component Software, (TASCS)	127
INDIANA UNIVERSITY Bloomington, IN	DE-FG02-08ER25844 07/14/2011 Lumsdaine	SC-21.1	Minimizing System Noise Effects for Extreme-Scale Scientific Simulation Through Function Delegation	106
INDIANA UNIVERSITY Bloomington, IN	DE-FC02-06ER25750 09/14/2011 Lumsdaine	SC-21.1	Coordinated Fault Tolerance for High Performance Computing	200
INDIANA UNIVERSITY Bloomington, IN	DE-FG02-05ER25676 05/14/2009 Ortoleva	SC-21.1	Intercellular Genomics of Subsurface Microbial Colonies	0
INDIANA UNIVERSITY Bloomington, IN	DE-FG02-04ER63903 12/31/2007 Schmid	SC-23.3	Scaling up of Carbon Exchange Dynamics from AmeriFlux Sites to a Super-Region in the Eastern United States	-22
INDIANA UNIVERSITY Bloomington, IN	DE-FG02-07ER64371 09/14/2010 Dragoni	SC-23.1	Ecosystem-Atmosphere Exchange of Carbon, Water and Energy Over a Mixed Deciduous Forest in the Midwest	220
INDIANA UNIVERSITY Indianapolis, IN	DE-FG02-09ER16093 09/14/2012 Wang	SC-22.12	SISGR - Theoretically Relating the Surface Composition of Pt Alloys to Their Performance as the Electrocatalysts of	220
N UNIVERSITY ASSOCIATION, INC. Valparaiso, IN	DE-FG02-88ER40416 01/15/2012 Manweiler	SC-26.1	Measuring the Spin Structure of the Proton at RHIC	187
NOTRE DAME, UNIVERSITY OF Notre Dame, IN	DE-FG02-05ER64023 02/28/2011 Hellmann	SC-23.1	Predicting the Impact of Climate Change on Animal Distributions: The Importance of Local Adaptation and Species' Traits	192
NOTRE DAME, UNIVERSITY OF Notre Dame, IN	DE-FG02-07ER64497 08/31/2010 Bohn	SC-23.2	Three Dimensional Molecular Imaging of Ionic Liquid Processing of Lignocellulosic Materials	200
NOTRE DAME, UNIVERSITY OF Notre Dame, IN	DE-FG02-07ER64395 03/14/2011 Fein	SC-23.1	An Integrated Approach to Quantifying the Coupled Biotic and Abiotic Mechanism, Rates and Long-Term Performance of	120
NOTRE DAME, UNIVERSITY OF Notre Dame, IN	DE-FG02-09ER16026 09/14/2010 Albrecht-Schmitt	SC-22.12	Toward an Improved Understanding of Structure and Magnetism in Neptunium and Plutonium Phosphonates and Sulfonates	135

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
NOTRE DAME, UNIVERSITY OF Notre Dame, IN	DE-FG02-09ER16043 07/31/2014 Burns	SC-22.12	RECOVERY ACT - Materials Science of Actinides -- EFRC	15,300
NOTRE DAME, UNIVERSITY OF Notre Dame, IN	DE-FG02-09ER16083 06/30/2010 Carmichael	SC-22.13	Radiation Chemistry in the 21st Century: A Visionary Conference, July 2009	40
NOTRE DAME, UNIVERSITY OF Notre Dame, IN	DE-FG02-09ER16073 08/31/2012 Chipman	SC-22.11	Reaction Field Model for Treatment of Solvation in Electronic Structure Calculations	270
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 Tevatron	200
NOTRE DAME, UNIVERSITY OF Notre Dame, IN	DE-FG02-95ER40934 06/14/2010 Mathews	SC-26.1	Nuclear Properties at Extreme Density, Temperature, Spin and Isospin	180
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	124
NOTRE DAME, UNIVERSITY OF Notre Dame, IN	DE-FG02-06ER15830 10/31/2012 Schneider	SC-22.12	Towards Realistic Reaction Environments in Catalysis Simulations	0
NOTRE DAME, UNIVERSITY OF Notre Dame, IN	DE-FG02-07ER15880 06/30/2010 Burns	SC-22.12	Topological Structural Relationships, Properties, and Nano-Structures of U(VI), Np(V), Pu(V) and Pu(IV) Materials	135
NOTRE DAME, UNIVERSITY OF Notre Dame, IN	DE-FC02-04ER15533 10/31/2010 Carmichael	SC-22.13	Radiation and Photochemistry in the Condensed Phase and at Interfaces	4,590
NOTRE DAME, UNIVERSITY OF Notre Dame, IN	DE-FG02-07ER46476 08/31/2010 Sevov	SC-22.23	Nanorods of Silicon and Germanium with Well-Defined Shapes and Sizes	107
NOTRE DAME, UNIVERSITY OF Notre Dame, IN	DE-FG02-07ER46390 06/14/2011 Zhu	SC-22.23	Water-Immersed Polymer Interfaces and the Roles of Their Materials Properties on Biolubrication	72
PURDUE RESEARCH FOUNDATION West Lafayette, IN	DE-FG02-88ER40412 12/31/2011 Scharenberg	SC-26.1	The Experimental Study of the Phase Structure of Hadronic Matter	650
PURDUE RESEARCH FOUNDATION West Lafayette, IN	DE-FG02-03ER15466 09/14/2012 Delgass	SC-22.12	Catalyst Design by Discovery Informatics	780
PURDUE RESEARCH FOUNDATION West Lafayette, IN	DE-FG02-96ER14641 10/31/2011 Basaran	SC-22.12	Electrohydrodynamic Tip Streaming	135
PURDUE UNIVERSITY West Lafayette, IN	DE-FG02-08ER64599 07/31/2011 Zhuang	SC-23.1	Quantifying Climate Feedbacks From Abrupt Changes in High-Latitude Trace-Gas Emissions	29

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
PURDUE UNIVERSITY West Lafayette, IN	DE-FG02-08ER64649 08/14/2011 Gurney	SC-23.1	Impacts of High Resolution Extreme Events on US Energy Demand and CO2 Emissions in the 21st Century	56
PURDUE UNIVERSITY West Lafayette, IN	DE-FG02-08ER64702 09/14/2011 Carpita	SC-23.2	Translational Genomics for the Improvement of Switchgrass	400
PURDUE UNIVERSITY West Lafayette, IN	DE-FG02-05ER63945 03/31/2009 Li	SC-23.2	Regulation of NF-kB and MnSOD in Low Dose Radiation Induced Adaptive Protection of Mouse and Human Skin Cells	0
PURDUE UNIVERSITY West Lafayette, IN	DE-FG02-05ER64131 09/14/2010 Nnanna	SC-23.2	Purdue University Calumet Water Environmental Institute	924
PURDUE UNIVERSITY West Lafayette, IN	DE-FG02-06ER64152 11/14/2009 Meilan	SC-23.2	Genome-enabled Modification of Poplar Root Development for Increased Carbon Sequestration	0
PURDUE UNIVERSITY West Lafayette, IN	DE-FG02-06ER64301 08/31/2010 Chapple	SC-23.2	Manipulation of Lignin Biosynthesis to Maximize Ethanol Production From Populus Feedstocks	0
PURDUE UNIVERSITY West Lafayette, IN	DE-FG02-07ER64478 08/31/2010 Tyner	SC-23.2	Analysis of Global Economic and Environmental Impacts of a Substantial Increase in Bioenergy Production	216
PURDUE UNIVERSITY West Lafayette, IN	DE-FG02-07ER64391 07/31/2009 Thompson	SC-23.1	Optimization and Directed, Natural Evolution of Biologically-Mediated Chromate Reduction in Subsurface Soil	293
PURDUE UNIVERSITY West Lafayette, IN	DE-FG02-91ER40681 10/31/2011 Shipsey, Barnes, Gutay, Miller	SC-25	RECOVERY ACT: Experimental and Theoretical High Energy Physics Program	2,098
PURDUE UNIVERSITY West Lafayette, IN	DE-FC02-08ER25864 08/14/2012 Pothen	SC-21.1	Combinatorial Scientific Computing and Petascale Simulations Institute	368
PURDUE UNIVERSITY West Lafayette, IN	DE-FC02-06ER25789 09/14/2011 Grama	SC-21.1	Hierarchical Petascale Simulation Framework for Stress Corrosion Cracking	80
PURDUE UNIVERSITY West Lafayette, IN	DE-FG02-09ER16032 07/31/2014 McCann	SC-22.13	RECOVERY ACT - Center for Direct Catalytic Conversion of Biomass to Biofuels (C3Bio) -- EFRC	15,074
PURDUE UNIVERSITY West Lafayette, IN	DE-FG02-09ER16084 08/31/2011 Savikhin	SC-22.13	Novel Photoprotection Mechanisms in Closely Packed Photosynthetic Antenna Complexes and in Artificial Light-Harvesting (Bacterio)Chlorophyll	187
PURDUE UNIVERSITY West Lafayette, IN	DE-FG02-99ER20342 08/31/2010 Sherman	SC-22.13	Diurnal Cycles and the Regulation of Metabolism in the Cyanobacterium Synechocystis sp. PCC 6803	0
PURDUE UNIVERSITY West Lafayette, IN	DE-FG02-00ER15105 05/31/2012 McLucky	SC-22.1	The Dynamics and Thermodynamics of Gaseous Macro-ions	150

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PURDUE UNIVERSITY West Lafayette, IN	DE-FG02-97ER14785 11/30/2009 Pyrak-Nolte	SC-22.12	Self-Assembling Sub-Porosity: The Effect on Fluid Flow and Seismic Wave Propagation	0
PURDUE UNIVERSITY West Lafayette, IN	DE-FG02-03ER15391 10/31/2010 Lucht	SC-22.11	Advanced Nonlinear Optical Methods for Quantitative Measurements in Flames	115
PURDUE UNIVERSITY West Lafayette, IN	DE-FG02-03ER15408 10/31/2010 Ribeiro	SC-22.12	Fundamental Studies on the Kinetics of Oxidation Reactions	0
PURDUE UNIVERSITY West Lafayette, IN	DE-FG02-96ER14656 02/14/2013 Zwier	SC-22.11	Isomer-specific spectroscopy and isomerization in aromatic fuels	140
PURDUE UNIVERSITY West Lafayette, IN	DE-FG02-07ER15905 08/31/2010 Chapple	SC-22.13	Phenylpropanoid Metabolism in Arabidopsis: The Role of REF4	130
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	267
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	162
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	345
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-FG02-05ER15752 05/31/2011 Choi	SC-22.13	Construction of High Performance, Low Cost Photoelectrodes with Controlled Polycrystalline Architectures	140
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-FG02-07ER46398 07/14/2010 Koslowski	SC-22.22	Plasticity in Ultra Fine Grained Materials	124
PURDUE UNIVERSITY West Lafayette, IN	DE-FG02-07ER46399 07/31/2010 Strachan	SC-22.22	Shape Memory in Nanoscale Metallic Alloys	76
PURDUE UNIVERSITY West Lafayette, IN	DE-FG02-02ER45976 06/30/2011 Harris	SC-22.23	Virus Assemblies as Templates for Nanocircuits	170
PURDUE UNIVERSITY West Lafayette, IN	DE-FG02-08ER54990 05/14/2011 Allain	SC-24.2	In-Situ Elemental and Chemical Characterization of D-Recycling on Lithiated Graphitic Surfaces with	92

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
PURDUE UNIVERSITY West Lafayette, IN	DE-FG02-08ER54991 05/14/2011 Hassanein	SC-24.2	Impact of Disruptions and ELMs on Liquid Lithium Surfaces in NSTX and Mitigation/Extrapolation to ITER Relevant Conditions	150
PURDUE UNIVERSITY West Lafayette, IN	DE-FG02-08ER54979 12/31/2010 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-FG02-09ER55015 06/14/2012 Allain	SC-24.2	An In-Situ Materials Analysis Particle Probe (MAPP) Diagnostic to Study Particle Density Control and Hydrogenic Fuel Retention in NSTX	141
PURDUE UNIVERSITY West Lafayette, IN	DE-FC02-09ER55024 07/31/2011 Brooks	SC-24.2	Purdue Contribution of Fusion Simulation Program	50
Total for IN :				52,275

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
ER FOR RESEARCH, INC., UNIV OF Lawrence, KS	DE-FG02-96ER40981 05/31/2011 Sanders	SC-26.1	Research in Heavy-Ion Nuclear Physics at CMS	342
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	133
ER FOR RESEARCH, INC., UNIV OF Lawrence, KS	DE-FG02-06ER15792 06/30/2010 Malinakova	SC-22.12	Bis-pi-allylpalladium Complexes in Catalysis of Multi-component Reactions	0
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-FG02-07ER54940 07/31/2010 Medvedev	SC-24.2	Properties and Nonlinear Dynamics of Weibel Turbulence	70
ER FOR RESEARCH, INC., UNIV OF Lawrence, KS	DE-FG02-04ER41308 04/30/2013 Ralston	SC-25	RECOVERY ACT: Research in Theoretical Particle Physics	124
KANSAS STATE UNIVERSITY Manhattan, KS	DE-FG02-07ER64476 08/31/2010 Selfa	SC-23.2	The Biofuels Revolution: Understanding the Social, Cultural and Economic Impacts of Biofuels Development on Rural Communities	224
KANSAS STATE UNIVERSITY Manhattan, KS	DE-FG02-08ER46504 06/30/2011 Jankowiak	SC-22.21	Excitation Energy Transfer in Natural Photosynthetic Complexes and Chlorophyll Trefoils: Hole-Burning and Single	15
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
KANSAS STATE UNIVERSITY Manhattan, KS	DE-FG02-06ER15832 08/31/2012 Lin	SC-22.11	Time-Resolved Imaging of Molecules by High-Order Harmonics and Ultra Short Rescattering Electrons	165
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	240
KANSAS STATE UNIVERSITY Manhattan, KS	DE-FG02-09ER16027 06/30/2010 Ben-Itzhak	SC-22.11	Attosecond Physics 2009 (July 28 - August 1, 2009 at Kansas State U/Manhattan)	5
KANSAS STATE UNIVERSITY Manhattan, KS	DE-FG02-09ER16115 09/14/2010 Ben-Itzhak	SC-22.11	SISGR - PULSAR: A High-Repetition-Rate, High-power, CE Phase-Locked Laser for the J.R. Macdonald Laboratory	1,274
KANSAS STATE UNIVERSITY Manhattan, KS	DE-FG02-99ER41093 10/31/2010 Bolton	SC-25	RECOVERY ACT: Heavy Quark and Neutrino Physics	759
Total for KS :				5,956

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
CUMBERLANDS, UNIVERSITY OF THE Williamsburg, KY	DE-FG02-09CH11572 12/31/2009 Gilbert	SC-23	University of the Cumberlands Science Complex, Phase IV: Renovation, Furnishings, Equipment, Electrical and Plumbing Upgrades	924
EASTERN KENTUCKY UNIVERSITY Richmond, KY	DE-FG02-08CH11530 12/31/2009 Schick	SC-23	Chemical Research Instrumentation	0
EASTERN KENTUCKY UNIVERSITY Richmond, KY	DE-FG02-09CH11563 09/30/2012 Frisbie	SC-23	Scientific Equipment for Eastern Kentucky's New Science Building	924
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	180
KENTUCKY, UNIV. OF RES FOUND Lexington, KY	DE-FG02-99ER41101 04/30/2011 Korsch	SC-26.1	Fundamental Studies of the Neutron at Jefferson Lab and the SNS	170
KENTUCKY, UNIV. OF RES FOUND Lexington, KY	DE-FG02-96ER40989 07/14/2011 Gardner	SC-26.1	Fundamental Physics with Hadrons and Nuclei, from Quarks to the Cosmos	100
KENTUCKY, UNIV. OF RES FOUND Lexington, KY	DE-FG02-07ER46375 03/14/2011 Grulke	SC-22.21	Nanoscale Materials and Architectures for Energy Conversion	750
KENTUCKY, UNIV. OF RES FOUND Lexington, KY	DE-FG02-08ER41557 04/14/2011 Plaster	SC-26.1	Fundamental Electroweak and Hadronic Physics Studies of the Neutron	105
KENTUCKY, UNIV. OF RES FOUND Lexington, KY	DE-FG02-09ER41616 06/30/2010 Shapere	SC-25	Travel Funding for Quantum Theory and Symmetries 6	7
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 05/14/2011 De Long	SC-22.22	Investigation of Novel Magnetic Order in Complex Transition Metal Oxides	120
LE RES. FOUND., INC., UNIV. OF Louisville, KY	DE-FG02-05ER64061 06/29/2010 Klein	SC-23.2	Pediatric Clinical Proteomics Center	0
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	107
Total for KY :				3,505

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
LOUISIANA BOARD OF REGENTS Baton Rouge, LA	DE-FG02-04ER46136 04/14/2011 Khonsari	SC-22.21	Ubiquitous Computing and Monitoring System (UCoMS) for Discovery and Management of Energy Resources	350
SIANA STATE UNIV. AND A&M COL. 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	40
SIANA STATE UNIV. AND A&M COL. 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
SIANA STATE UNIV. AND A&M COL. Baton Rouge, LA	DE-FG02-09ER46576 07/31/2014 Spivey	SC-22.21	Computational Catalysis and Atomic-Level Synthesis of Materials: Building Effective Catalysts from First Principles - EFRC	2,380
LOUISIANA STATE UNIVERSITY Baton Rouge, LA	DE-FG02-07ER46420 07/31/2010 Adams	SC-22.22	Quantum Transport in Thin Film Correlated Insulators	199
LOUISIANA STATE UNIVERSITY Baton Rouge, LA	DE-FG02-08ER46492 06/14/2011 Vekhter	SC-22.21	Inhomogeneous Disordered Dirac Fermions: From Heavy Fermion Superconductors to Graphene	10
LOUISIANA STATE UNIVERSITY Baton Rouge, LA	DE-FG02-09ER46601 08/14/2010 Jarrell	SC-22.22	Predictive Capability for Strongly Correlated Systems: Mott Transition in MnO, Multielectron Magnetic Moments, and	67
LOUISIANA STATE UNIVERSITY Baton Rouge, LA	DE-FG02-01ER63151 08/31/2009 Battista	SC-23.2	Identifying the Proteins that Mediate the Ionizing Radiation Resistance of Deinococcus Radiodurans R1	0
LOUISIANA STATE UNIVERSITY Baton Rouge, LA	DE-FG02-01ER15178 10/31/2010 Poliakoff	SC-22.11	Resonant and Nonresonant Vibrational Effects in the Photoionization Dynamics of Asymmetric Systems	155
LOUISIANA STATE UNIVERSITY Baton Rouge, LA	DE-FG02-96ER40978 03/14/2011 Blackmon	SC-26.1	The Structure of Nuclei Far from Stability and Nuclear Astrophysics Using Radioactive Ion Beams	185
LOUISIANA STATE UNIVERSITY Baton Rouge, LA	DE-FG02-91ER40617 03/31/2013 Matthews, Metcalf	SC-25	RECOVERY ACT: Research in Elementary Particle Physics and Cosmic Ray Physics	573
LOUISIANA STATE UNIVERSITY New Orleans, LA	DE-FG02-02CH11117 10/31/2009 Fontham, Hymel, Sartor	SC-23	Building to Support Cancer Center Research and Prevention	0
LOUISIANA TECH UNIVERSITY Ruston, LA	DE-FG02-99ER41117 06/14/2011 Sawyer	SC-25	RECOVERY ACT: Research in High Energy Physics	0
LOUISIANA TECH UNIVERSITY Ruston, LA	DE-FG02-08ER25836 05/31/2011 Leangsuksun	SC-21.1	Reliability, Availability and Serviceability (RAS) for Petascale High-End Computing and Beyond	50
LOUISIANA TECH UNIVERSITY Ruston, LA	DE-FG02-09ER64907 09/28/2010 Napper	SC-23.2	Systems Engineering Research for U.S. Energy Needs at Louisiana Tech University	1,387

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
LOUISIANA TECH UNIVERSITY Ruston, LA	DE-FG02-08ER64601 12/31/2009 Napper	SC-23.2	Biomedical Engineering Bionanosystems Research at Louisiana Tech University	0
TULANE UNIVERSITY New Orleans, LA	DE-FG02-05ER15702 08/14/2011 Diebold	SC-22.12	Towards a Molecular-Scale Understanding of Surface Chemistry and Photocatalysis on Metal Oxides: Surface Science Experiments	302
TULANE UNIVERSITY New Orleans, LA	DE-FG02-08CH11518 09/30/2010 Altiero	SC-23	Materials and Energy Science Clean Room Facility at Tulane University	924
TULANE UNIVERSITY New Orleans, LA	DE-FG02-96ER14617 05/31/2011 Schmehl	SC-22.13	Light Induced Energy and Electron Transfer Reactions of Photoactive Transition Metal Complexes	172
TULANE UNIVERSITY New Orleans, LA	DE-FG02-07ER46358 01/31/2011 Mao	SC-22.21	Studies of Novel Quantum Phenomena in Ruthenates	150
TULANE UNIVERSITY New Orleans, LA	DE-FC02-06ER64298 08/31/2011 Tornqvist	SC-23.1	Center for Riparian and Coastal Ecosystem Research	1,671
Total for LA :				8,995

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
BOSTON COLLEGE, TRUSTEES OF Chestnut Hill, MA	DE-FG02-05ER63995 12/31/2010 Davidovits	SC-23.1	Laboratory Experiments and Instrument Development for the Study of Atmospheric Aerosols	220
BOSTON COLLEGE, TRUSTEES OF Chestnut Hill, MA	DE-FG02-00ER45805 03/14/2011 Ren	SC-22.22	Nanoscale Coaxial Cables for Field Emission and Solar Energy Conversion	150
BOSTON COLLEGE, TRUSTEES OF Chestnut Hill, MA	DE-FG02-99ER45747 05/31/2011 Wang	SC-22.22	Disorder and Interaction in Correlated Electron Systems	91
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	350
BOSTON COLLEGE, TRUSTEES OF Chestnut Hill, MA	DE-FG02-09CH11573 09/29/2010 Scibilia	SC-23	Institute for Integrated Sciences	2,312
BOSTON COLLEGE, TRUSTEES OF Chestnut Hill, MA	DE-FG02-93ER14359 06/30/2012 Scott	SC-22.12	High Temperature Chemistry of Aromatic Hydrocarbons	172
BOSTON COLLEGE, TRUSTEES OF Chestnut Hill, MA	DE-FG02-91ER20025 08/31/2012 Roberts	SC-22.13	Osmoregulation in Methanogens	130
BOSTON UNIVERSITY Boston, MA	DE-FG02-91ER40676 01/31/2013 Kearns, Stone	SC-25	Research in Particle Physics	2,322
BOSTON UNIVERSITY Boston, MA	DE-FG02-95ER14498 11/30/2010 Klein	SC-22.12	Collaborative Research: Failure of Rock Masses from Nucleation and Growth of Microscopic Defects and Disorder	152
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 08/31/2011 Castro Neto	SC-22.22	The Physics of Graphene	110
BOSTON UNIVERSITY Boston, MA	DE-FG02-98ER45680 12/14/2010 Smith	SC-22.22	Electronic Structure in Low Dimensional and Correlated Solids	120
BOSTON UNIVERSITY Boston, MA	DE-FG02-09ER41611 07/14/2011 Rohlf	SC-25	Radiation Hard Silicon Photomultipliers	45
BOSTON UNIVERSITY Boston, MA	DE-FG02-85ER45222 12/31/2010 El-Batanouny	SC-22.23	Investigation of Spin, Charge and Orbital Ordering and Dynamics on the Surfaces of Cobaltate and Cuprate Crystals by Helium	191
BOSTON UNIVERSITY Boston, MA	DE-FC02-06ER41440 03/14/2011 Brower, Rebbi	SC-25	SciDAC: National Computational Infrastructure for Lattice Gauge Theory	198

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
BOSTON UNIVERSITY Boston, MA	DE-FG02-06ER46316 11/14/2012 Chamon	SC-22.22	Quantum Nanowire Multi-Connections	239
BOSTON UNIVERSITY Boston, MA	DE-FG02-03ER46037 02/14/2012 Ludwig	SC-22.21	Real-time X-ray Studies of Surface and Thin Film Processes	250
BOSTON UNIVERSITY Boston, MA	DE-FG02-06ER64204 02/28/2010 Sue Wing	SC-23.1	Empirical & Computational Investigations of International Technology Spillovers: Effects on Income Convergence, Greenhouse	0
BOSTON UNIVERSITY Boston, MA	DE-FG02-07ER64483 09/14/2010 Collins	SC-23.2	A Systems Biology Platform for Characterizing Regulatory and Metabolic Pathways that Influence and Control Microbial Hydrogen Production	300
BOSTON UNIVERSITY Boston, MA	DE-FG02-07ER64388 05/31/2010 Segre	SC-23.2	Integrated Genome-Based Studies of Shewanella Ecophysiology	399
BOSTON UNIVERSITY Boston, MA	DE-FG02-08ER64564 06/14/2011 Knyazikhin	SC-23.1	Use of ARM Measurements of Spectral Zenith Radiance for Better Understanding of 3D Cloud-Radiation Processes and Aerosol-Cloud Interaction	27
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	214
BRANDEIS UNIVERSITY Waltham, MA	DE-FG02-92ER40706 12/31/2012 Blocker	SC-25	Research in Elementary Particle Physics	760
BRANDEIS UNIVERSITY Waltham, MA	DE-FG02-06ER15815 12/31/2009 Ozerov	SC-22.12	Catalysis of C-F Activation by Highly Electrophilic Si Compounds	0
BRANDEIS UNIVERSITY Waltham, MA	DE-FG02-05ER15699 08/14/2010 Kern	SC-22.12	Catalysis, Dynamics and Stability of Enzymes Under Extreme Conditions	154
CLARK UNIVERSITY Worcester, MA	DE-FG02-02ER15367 01/14/2012 Kudrolli	SC-22.12	Physics of Channelization: Theory, Experiment, and Observation	67
CLARK UNIVERSITY Worcester, MA	DE-FG02-05ER46214 07/31/2010 Agosta	SC-22.22	Novel Superconducting States in Organic and Other Anisotropic Superconductors	59
HARVARD COLLEGE Boston, MA	DE-FG02-05ER64089 12/31/2011 Little	SC-23.2	Bystander Effects of Ionizing Radiation	0
HARVARD COLLEGE Cambridge, MA	DE-FG02-91ER40654 10/31/2011 Franklin, Strominger	SC-25	RECOVERY ACT: Research in High Energy Physics	2,323
HARVARD COLLEGE 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

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HARVARD COLLEGE Cambridge, MA	DE-FG02-06ER25790 09/14/2011 Kaxiras	SC-21.1	Hierarchical Petascale Simulation Framework for Stress Corrosion Cracking	82
HARVARD COLLEGE Cambridge, MA	DE-FG02-07ER15875 11/30/2009 Xie	SC-22.11	Coherent Anti-Stokes Raman Scattering Spectroscopy of Single Molecules in Solution	0
HARVARD COLLEGE 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 COLLEGE Cambridge, MA	DE-FG02-08ER46513 08/31/2011 Heller	SC-22.22	Theory of Electron Imaging in 2DEGs	120
HARVARD COLLEGE Cambridge, MA	DE-FG02-06ER46335 08/14/2010 Aziz	SC-22.23	Nanoscale Morphology Evolution under Ion Irradiation	139
HARVARD COLLEGE Cambridge, MA	DE-FG02-07ER46422 08/14/2010 Westervelt	SC-22.22	Electron Imaging in 2DEG's	140
HARVARD COLLEGE Cambridge, MA	DE-FG02-01ER45921 03/14/2011 Parks	SC-22.21	Electron Diffraction Determination of Nanoscale Structures	173
HARVARD COLLEGE Cambridge, MA	DE-FG02-00ER45852 01/31/2011 Whitesides	SC-22.23	Dynamic Self-Assembly, Emergence, and Complexity	300
HARVARD COLLEGE Cambridge, MA	DE-FG02-08ER64556 05/14/2011 Kuang	SC-23.1	Using ARM Observations to Evaluate and Improve Wave-Convection Interactions in Global Climate Models: An Extended Single Column Modeling Approach	115
HARVARD COLLEGE Cambridge, MA	DE-FG02-07ER64358 07/31/2010 Munger	SC-23.1	Detection of Long-Term Trends in Carbon Accumulation by Forests in Northeastern U.S. and Determination of Causal Factors	397
HARVARD COLLEGE Cambridge, MA	DE-FG02-07ER64500 08/31/2010 Xie	SC-23.2	Study of Lignocellulosic Material Degradation with CARS Microscopy	525
HARVARD COLLEGE Cambridge, MA	DE-FG02-08ER64529 04/14/2011 Martin	SC-23.1	Laboratory Studies of the Reactive Chemistry and Changing CCN Properties of Secondary Organic Aerosol, Including Model	159
HARVARD MEDICAL SCHOOL Boston, MA	DE-FG02-02ER63445 11/30/2011 Church	SC-23.2	Microbial Ecology, Proteogenomics and Computational Optima	2,014
HARVARD UNIVERSITY Cambridge, MA	DE-FG02-88ER45379 08/14/2010 Pershan	SC-22.23	Surface Studies of Liquid Metal: Electronic and Tokamak Interests	250
HARVARD UNIVERSITY Cambridge, MA	DE-FG02-02ER15316 04/14/2011 Doyle	SC-22.11	Ultracold Molecules: Physics in the Quantum Regime	140

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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	160
HARVARD UNIVERSITY Cambridge, MA	DE-FG02-88ER13861 03/31/2012 Dalgarno	SC-22.11	Theoretical Investigations of Atomic Collision Physics	135
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-08ER64597 07/31/2011 Schlosser	SC-23.1	Quantifying Climate Feedbacks From Abrupt Changes in High-Latitude Trace-Gas Emissions	133
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-08ER64516 12/31/2010 Chisholm	SC-23.2	Genomic Structure, Metagenomics, Horizontal Gene Transfer, and Natural Diversity of Prochlorococcus and Vibrio	500
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-07ER64506 08/31/2010 DeLong	SC-23.2	Microbial Gene Expression in the Ocean: Community Gene Function and Dynamics Revealed	499
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-07ER64465 08/14/2010 Emanuel	SC-23.1	Collaborative Research: The Influence of Cloud Microphysics and Radiation on the Response of Water Vapor and Clouds to Climate Change	124
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-05ER25681 08/14/2010 Negele	SC-21.1	Scientific Discovery with the Blue Gene/L	150
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-08ER25858 08/14/2011 Willcox	SC-21.1	Large-Scale Optimization for Bayesian Inference in Complex Systems	150
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	106
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-91ER40648 11/30/2012 Temkin	SC-25	RECOVERY ACT: 17 GHz High Gradient Accelerator Research	364
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-95ER40919 03/31/2013 Chen	SC-25	RECOVERY ACT: Theoretical and Computational Investigation of Periodically Focused Intense Charged	261
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-94ER40818 10/31/2010 Milner	SC-26.1	Research in Nuclear Physics	9,206
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-09ER16006 03/14/2010 Tokmakoff	SC-22.11	Time-Resolved Vibrational Spectroscopy Conference (May 9-14, 2009)	7
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	42
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-05ER15728 06/14/2011 Shao-Horn	SC-22.12	Activity and Stability of Nanoscale Oxygen Reduction Catalysts	190

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MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-05ER15745 10/31/2011 Nocera	SC-22.13	Hangman Catalysts for Photo- and Photoelectro-Chemical Activation of Water	190
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-05ER15665 02/14/2010 Ceyer	SC-22.11	An Exploration of Catalytic Chemistry on Au/Ni(111)	0
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-98ER14914 12/14/2010 Green, Jr.	SC-22.11	Computer-Aided Construction of Chemical Kinetic Models	130
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	344
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-00ER15087 12/31/2010 Nelson	SC-22.11	Nonlinear Photoacoustic Spectroscopies Probed by Ultrafast EUV Light	144
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-99ER14988 10/31/2010 Tokmakoff	SC-22.11	Structural Dynamics in Complex Liquids Studied with Multidimensional Vibrational Spectroscopy	230
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-99ER15004 01/14/2012 Rothman	SC-22.12	Physics of Channelization: Theory, Experiment, and Observation	159
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-87ER13671 10/31/2011 Field	SC-22.11	Spectroscopic and Dynamical Studies of Highly Energized Small Polyatomic Molecules	220
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	150
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FC02-93ER54209 11/30/2011 Temkin	SC-24.2	Electron Cyclotron Resonance Heating Technology Development	0
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FC02-93ER54186 11/14/2012 Minervini	SC-24.2	Fusion Development and Technology	1,430
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-91ER54109 11/14/2011 Catto	SC-24.2	Theoretical Research in Advanced Physics and Technology	1,245
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-FG02-09ER46636 09/14/2012 Tuller	SC-22.22	SISGR - Chemomechanics of Far-From-Equilibrium Interfaces (COFFEI)	880
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FC02-01ER54648 03/31/2011 Bonoli	SC-24.2	Center for Simulation of Wave-Plasma Interactions	223

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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-FG02-99ER54563 11/30/2011 Porkolab	SC-24.2	Fast Particle-Wave Interaction and Alfvén Eigenmodes in the JET Tokamak Plasma	126
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-99ER54521 03/14/2010 Ram	SC-24.2	Heating and Current Drive in NSTX with Electron Bernstein Waves and High Harmonic Fast Waves	0
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-99ER54525 03/14/2011 Bonoli	SC-24.2	Full-wave Studies of High Harmonic Heating in NSTX with Application to Transport Analysis, Fast Ion Interactions and Antenna Coupling	56
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FC02-99ER54512 10/31/2013 Marmor, Porkolab, Hutchinson	SC-24.2	Alcator C-Mod Fusion Research Program	26,864
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-98ER54458 10/31/2010 Kesner	SC-24.2	Levitated Dipole Experiment	790
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-94ER54235 12/14/2010 Porkolab, Woskov, Whyte	SC-24.2	Experimental Research in Advanced Physics and Technology	553
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-09ER46556 07/31/2010 Moncton	SC-22.21	Optics for Advanced Neutron Imaging	289
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) -- EFRC	3,280
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-09ER46584 07/31/2014 Baldo	SC-22.23	RECOVERY ACT - Center for Excitonics -- EFRC	19,000
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-08ER46514 07/31/2011 Ashoori	SC-22.22	Novel Temperature Limited Tunneling Spectroscopy of Quantum Hall Systems	200
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-08ER46515 07/31/2011 Kastner	SC-22.22	Measurement of Single Electronic Charging of Semiconductor Nano-Crystal	51
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-08ER46516 08/31/2011 Dresselhaus	SC-22.23	Thermoelectric Nanocomposites at Intermediate Temperature Range: Synthesis and Fundamental Studies	400
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-08ER46521 08/14/2011 Gedik	SC-22.21	Ultrafast Electronic and Structural Dynamics in Complex Materials	228
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-07ER46454 08/31/2010 Bawendi	SC-22.22	Probing Nanocrystal Electronic Structure and Dynamics in the Limit of Single Nanocrystals	235

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MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-07ER46474 08/31/2010 Baldo	SC-22.23	High Efficiency Biomimetic Organic Solar Cells	275
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-08ER46488 02/14/2011 Strano	SC-22.23	Self Assembly & Self-Repair of Novel Photosynthetic Reaction Center/Single Walled Carbon Nanotube Complexes for Solar	210
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-FG02-06ER54878 10/31/2009 Egedal-Pedersen	SC-24.2	Laboratory Studies of Reconnection in Magnetically Confined Plasmas	0
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FC02-04ER54802 02/14/2011 Sugiyama	SC-24.2	Center for Extended Magnetohydrodynamic Modeling	75
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FC02-04ER54786 07/31/2010 Porkolab	SC-24.2	MIT Participation in The Center for Multiscale Plasma Dynamics	0
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-05ER54836 07/31/2011 Chen	SC-24.2	Exploration of Plasma Jets Approach to High Energy Density Physics	72
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FC02-06ER54859 01/14/2011 Sugiyama	SC-24.2	SciDAC - Center for Plasma Edge Simulation	66
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FC02-06ER54855 01/14/2011 Ramos	SC-24.2	SciDAC - Simulation of Wave Interactions with MHD	100
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FC02-09ER55052 09/14/2014 Whyte	SC-24.2	RECOVERY ACT - Plasma Science Center Bridging the PSI Knowledge Gap: A Multi-Scale Approach	2,215
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-93ER61677 08/14/2010 Prinn, Marotzke, Stone	SC-23.1	Coupled Atmosphere-Ocean Models	200
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-94ER61937 12/14/2010 Prinn, Jacoby	SC-23.1	An Integrated Framework for Climate Change Assessment	734
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FC02-08ER54966 02/14/2011 Catto	SC-24.2	Center for the Study of Plasma Microturbulence	100
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FC02-08ER54969 02/14/2011 Ramos	SC-24.2	Center for Extended Magnetohydrodynamics Modeling	60
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FC02-09ER55023 07/31/2011 Greenwald	SC-24.2	Fusion Simulation Program	100

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MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-02ER45977 12/31/2010 Chen	SC-22.22	Heat Conduction in Nanowire Structures	153
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	140
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-04ER46134 11/30/2010 Lee	SC-22.21	A Unified Effort for Crystal Growth, Neutron Scattering, and X-ray Scattering Studies of Novel Correlated Electron	287
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-05ER46253 08/31/2011 Ceder	SC-22.22	Thermodynamics and Kinetics of Phase Transformations in Hydrogen Storage Materials	350
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-05ER46241 10/31/2009 Chen	SC-22.23	High Throughput Screening of Nanostructured Hydrogen Storage Materials	0
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-04ER46149 05/31/2011 Benedek	SC-22.23	Self-Assembling Biological Springs: Force Transducers on the Micron and Nanoscale	199
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-07ER41519 08/31/2009 Fisher	SC-25	Experimental Studies of a Neutron Tagger and Shield for Dark Matter	0
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-05ER41360 10/31/2010 Milner	SC-25	RECOVERY ACT: Laboratory for Nuclear Science - High Energy Physics Program	10,315
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-05ER41385 08/14/2009 Fisher	SC-25	Proposal for the Design and Construction of a Prototype Dark Matter Detector and Directional Sensitivity	0
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FC02-06ER41444 03/14/2011 Negele	SC-25	SciDAC: National Computational Infrastructure for Lattice Gauge Theory	254
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-06ER41420 06/30/2011 Formaggio	SC-26.1	Probing the Absolute Mass Scale of Neutrinos	200
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-96ER45571 08/31/2010 Ceder	SC-22.22	First Principles Determination of Structure, Thermodynamics, and Transport in Metals and Oxides	172
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-90ER45429 10/31/2011 Chen	SC-22.21	Neutron and X-Ray Scattering Studies of the Liquid-Liquid Transition in Supercooled Confined Water and the Slow	451
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-09ER41635 08/31/2010 Hasell	SC-26.2	New Approach for 2D Readout of GEM Detectors	160
MASSACHUSETTS, UNIV. OF-LOWELL Lowell, MA	DE-FG02-94ER40848 03/31/2011 Chowdhury	SC-26.1	Single-Particle and Collective Phenomena in Nuclei	168

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MASSACHUSETTS, UNIVERSITY OF Amherst, MA	DE-FG02-92ER40715 12/31/2012 Willocoq	SC-25	RECOVERY ACT: Experimental Elementary Particle Physics Research	391
MASSACHUSETTS, UNIVERSITY OF Amherst, MA	DE-FG02-88ER40415 12/31/2011 Miskimen, Kumar	SC-26.1	Precision Studies of QCD and Electro-Weak Interactions	535
MASSACHUSETTS, UNIVERSITY OF Amherst, MA	DE-FG02-09ER25881 08/31/2012 Katsoulakis	SC-21.1	Multiscale Mathematics & Optimization for Complex Systems	241
MASSACHUSETTS, UNIVERSITY OF Amherst, MA	DE-FG02-87ER13744 05/31/2011 Jackson	SC-22.11	Theory of the Reaction Dynamics of Small Molecules on Metal Surfaces	133
MASSACHUSETTS, UNIVERSITY OF Amherst, MA	DE-FG02-91ER14192 11/30/2009 Mountziaris, Westmoreland	SC-22.11	Probing Flame Chemistry with MBMS, Theory, and Modeling	0
MASSACHUSETTS, UNIVERSITY OF Amherst, MA	DE-FG02-90ER14150 12/31/2007 Monson	SC-22.1	Molecular Modeling of Solid-Fluid Phase Behavior	0
MASSACHUSETTS, UNIVERSITY OF Amherst, MA	DE-FG02-09CH11583 01/31/2010 Cahill	SC-23	Construction of the Integrated Sciences Building at the University of Massachusetts Amherst	1,849
MASSACHUSETTS, UNIVERSITY OF Amherst, MA	DE-FG02-02ER15330 08/31/2006 Leschine	SC-22.13	Impacts of Biofilm Formation on Cellulose Fermentation	0
MASSACHUSETTS, UNIVERSITY OF Amherst, MA	DE-FG02-03ER15421 08/14/2012 Baskin	SC-22.13	Cellulose and the Control of Growth Anisotropy	160
MASSACHUSETTS, UNIVERSITY OF Amherst, MA	DE-FG02-05ER15695 11/14/2011 Barnes	SC-22.12	Chemical Microscopy of Conjugated Molecules and Hybrid Nanostructures	130
MASSACHUSETTS, UNIVERSITY OF Amherst, MA	DE-FG02-05ER15747 08/14/2006 Thayumanavan	SC-22.11	Design, Synthesis, and Study of Dendrimers as Nanoscaffolds for Solar Energy Harvest	0
MASSACHUSETTS, UNIVERSITY OF Amherst, MA	DE-FG02-07ER15918 08/14/2010 Conner, Auerbach	SC-22.1	Nanostructured Basic Catalysts: Opportunities for Renewable Fuels	155
MASSACHUSETTS, UNIVERSITY OF Amherst, MA	DE-FG02-96ER45612 06/14/2010 Russell	SC-22.23	Interfacial Behavior of Polymers: Using Interfaces to Manipulate Polymers	325
MASSACHUSETTS, UNIVERSITY OF Amherst, MA	DE-FG02-04ER46126 03/14/2011 Russell	SC-22.21	Interfacial Assembly and Chemical Activity of Nanoparticles	131
MASSACHUSETTS, UNIVERSITY OF Amherst, MA	DE-FG02-07ER46407 07/31/2010 Maroudas	SC-22.22	Surface Engineering by Simultaneous Action of Multiple External Fields	226

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MASSACHUSETTS, UNIVERSITY OF Amherst, MA	DE-FG02-01ER63221 02/14/2007 Lovley	SC-23.2	In Silico Modeling of Geobacter Species	-9
MASSACHUSETTS, UNIVERSITY OF Amherst, MA	DE-FG02-98ER62604 06/30/2010 Bradley	SC-23.1	Regional-Scale Climate Variability on Decadel to Multi-Century Timescales	121
MASSACHUSETTS, UNIVERSITY OF Amherst, MA	DE-FG02-97ER62475 12/14/2006 Lovley	SC-23.4	Molecular Analysis of Rates of Metal Reduction and Metabolic State of Geobacter Species During in situ Uranium	-1
MASSACHUSETTS, UNIVERSITY OF Amherst, MA	DE-FC02-02ER63446 08/31/2010 Lovley	SC-23.2	Genome-Based Models to Optimize In Situ Bioremediation of Uranium and Harvesting Electrical Energy from Waste Organic Matter	4,399
MASSACHUSETTS, UNIVERSITY OF Amherst, MA	DE-FG02-07ER46466 08/31/2010 Monson	SC-22.22	Modeling the Self-Assembly of Ordered Nanoporous Materials	185
MASSACHUSETTS, UNIVERSITY OF Amherst, MA	DE-FG02-09ER46587 07/31/2014 Russell	SC-22.21	RECOVERY ACT - Polymer-Based Materials for Harvesting Solar Energy -- EFRC	16,000
MASSACHUSETTS, UNIVERSITY OF Amherst, MA	DE-FG02-07ER64367 03/14/2011 Lovley	SC-23.1	Coupling in Silico Microbial Models with Reactive Transport Models to Predict the Fate of Contaminants in the Subsurface	444
MASSACHUSETTS, UNIVERSITY OF Amherst, MA	DE-FG02-07ER64377 03/14/2010 Lovley	SC-23.1	Molecular Analysis of Rates of Metal Reduction and Metabolic State of Geobacter Species During In Situ Uranium Bioremediation	467
MASSACHUSETTS, UNIVERSITY OF Amherst, MA	DE-FG02-08ER64700 09/14/2011 Hazen	SC-23.2	Systems Level Engineering of Plant Cell Wall Biosynthesis to Improve Biofuel Feedstock Quality	400
MASSACHUSETTS, UNIVERSITY OF Boston, MA	DE-FG02-08ER64602 07/31/2011 Antonak	SC-23.2	Boston Environmental Area Coastal Observation Network (BEACON) at the University of Massachusetts Boston	462
MASSACHUSETTS, UNIVERSITY OF Worcester, MA	DE-FG02-09CH11574 03/31/2010 Giehl	SC-23	Procurement of State-of-the-Art Research Equipment to Support Faculty Members within the Rnai Therapeutics Institute, a	924
MOUNT HOLYOKE COLLEGE South Hadley, MA	DE-FG02-90ER40553 01/31/2011 Sutton	SC-25	Physics at BaBar and Double Beta Decay	26
NORTHEASTERN UNIVERSITY Boston, MA	DE-FG02-09ER64823 08/31/2012 Hanson	SC-23.2	Training Program in Radiochemistry and Radiotracer Development	567
NORTHEASTERN UNIVERSITY Boston, MA	DE-FG02-07ER64370 03/14/2011 Epstein	SC-23.1	Role of Microbial Synergies in Immobilization of Metals	396
NORTHEASTERN UNIVERSITY Boston, MA	DE-FG02-07ER64507 08/31/2010 Epstein	SC-23.2	To Bioethanol Through Genomics of Microbial Synergies	175

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NORTHEASTERN UNIVERSITY Boston, MA	DE-FG02-08ER46540 08/31/2011 Markiewicz	SC-22.22	Building a Unified Computational Model for the Resonant X-Ray Scattering of Strongly Correlated Materials	280
NORTHEASTERN UNIVERSITY Boston, MA	DE-FG02-07ER46352 12/14/2010 Markiewicz	SC-22.22	Electronic Structure, Spectroscopy, and Correlation Effects in Novel Materials	235
NORTHEASTERN UNIVERSITY Boston, MA	DE-FG02-07ER46400 07/14/2010 Karma	SC-22.22	Bridging Atomistic and Continuum Scales in Phase-Field Modeling of Solid-Liquid Interface Dynamics and Coalescence	205
NORTHEASTERN UNIVERSITY Boston, MA	DE-FG02-09ER41594 05/31/2010 Nath	SC-25	The 17th International Conference on Super Symmetry and Unification of Fundamental Interactions - 2009 (June 5-10, 2009)	8
NORTHEASTERN UNIVERSITY Boston, MA	DE-FG02-92ER45471 08/31/2006 Karma	SC-22.23	Phase-Field Modeling of Solidification Microstructures	-5
TUFTS UNIVERSITY Medford, MA	DE-FG02-09ER64780 07/31/2012 Pennell	SC-23.1	Design and Application of Microbial Uranium Reduction Monitoring Tools (MURMoT)	21
TUFTS UNIVERSITY Medford, MA	DE-FG02-09ER55039 08/14/2012 Hopwood	SC-24.2	RECOVERY ACT - Instabilities in Nonthermal Atmospheric Pressure Plasma	100
TUFTS UNIVERSITY Medford, MA	DE-FG02-05ER15730 09/14/2011 Flytzani-Stephanopou	SC-22.12	Nanostructured, Metal-ion Modified Ceria and Zirconia Oxidation Catalysts	310
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-FG02-07ER15900 01/31/2013 Garven	SC-22.12	Fault-Related CO2 Degassing, Geothermics, and Fluid Flow in Southern California Basins: Physiochemical Evidence and	0
TUFTS UNIVERSITY Medford, MA	DE-FG02-92ER40702 01/14/2012 Mann, Schneps	SC-25	RECOVERY ACT: High Energy Physics at Tufts University	875
Total for MA :				134,88

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JOHNS HOPKINS UNIVERSITY Baltimore, MD	DE-FG02-09ER25962 09/14/2012 Knio	SC-21.1	RECOVERY ACT - Analysis and Reduction of Complex Networks Under Uncertainty	258
JOHNS HOPKINS UNIVERSITY Baltimore, MD	DE-FG02-09ER16094 09/14/2012 Roth	SC-22.12	SISGR - Isotopic Studies of O-O Bond Formation During Water Oxidation	165
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-FG02-05ER15727 07/14/2011 Erlebacher	SC-22.12	Engineering Catalytic Nanoporous Metals for Reactions Important to the Hydrogen Economy	120
JOHNS HOPKINS UNIVERSITY Baltimore, MD	DE-FG02-96ER14662 11/14/2011 Meyer	SC-22.13	Electron Transfer Dynamics in Efficient Molecular Solar Cells	125
JOHNS HOPKINS UNIVERSITY Baltimore, MD	DE-FG02-91ER14189 06/14/2011 Yarkony	SC-22.11	Theoretical Studies of the Reactions, and the Spectroscopy of Radical Species Relevant to Combustion Reactions and Diagnostics	145
JOHNS HOPKINS UNIVERSITY Baltimore, MD	DE-FG02-89ER14074 10/31/2010 Veblen	SC-22.12	Crystal Chemistry of Toxic Metal Sequestration	250
JOHNS HOPKINS UNIVERSITY Baltimore, MD	DE-FG02-96ER14616 03/31/2011 Sverjensky	SC-22.12	Predictive Single-Site Protonation and Cation Adsorption Modeling	179
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	500
JOHNS HOPKINS UNIVERSITY Baltimore, MD	DE-FG02-86ER53214 12/31/2010 Finkenthal	SC-24.2	USXR-XUV Diagnostics for Edge and Core of Magnetically Confined Plasmas	603
JOHNS HOPKINS UNIVERSITY Baltimore, MD	DE-FG02-08ER46544 08/31/2012 Broholm	SC-22.21	Institute for Quantum Matter at Johns Hopkins University	1,095
JOHNS HOPKINS UNIVERSITY Baltimore, MD	DE-FG02-09ER46558 01/31/2012 Bowen	SC-22.21	Measuring Complementary Electronics Structure Properties of Both Deposited and Gas Phase Clusters by using STM, UPS, and PES	217
JOHNS HOPKINS UNIVERSITY Baltimore, MD	DE-FG02-07ER46465 05/14/2010 Katz	SC-22.23	Charging and Polarization of Organic Semiconductors in Energy-Efficient Circuits and Energy Capture Models:	230
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	448
JOHNS HOPKINS UNIVERSITY Baltimore, MD	DE-FG02-04ER41337 07/31/2010 Maksimovic	SC-25	Enhancing the CDF's B Physics Program with a Faster Data Acquisition System	87

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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 Chagolgenide Glass	150
JOHNS HOPKINS UNIVERSITY Baltimore, MD	DE-FG02-07ER46437 08/14/2011 Hemker	SC-22.22	Stress-Coupled Grain Boundary Migration	136
JOHNS HOPKINS UNIVERSITY Baltimore, MD	DE-FG02-07ER64387 03/31/2009 Ward	SC-23.2	Integrated Genome-Based Studies of Shewanella Ecophysiology	0
JOHNS HOPKINS UNIVERSITY Baltimore, MD	DE-FG02-08ER64643 08/31/2011 Guikema	SC-23.1	Collaborative Proposal: Climate-Induced Changes in Hurricane Winds, Surge, and Risk to Electric Power Systems	49
MARYLAND, UNIV OF BIOTECH INST Baltimore, MD	DE-FG02-07ER64502 09/14/2010 Orban	SC-23.2	Annotation of Novel Enzymatic Functions in Methanogens	400
MARYLAND, UNIV. OF/BALT. CO. Baltimore, MD	DE-FG02-07ER64354 03/14/2010 Norris	SC-23.1	Evaluation of GCM Column Radiation Models Under Cloudy Conditions With the ARM BBHRP Value Added Product	0
MARYLAND, UNIV. OF/BALT. CO. Baltimore, MD	DE-FG02-01ER45939 03/14/2006 Rous	SC-22.23	Structural Fluctuation, Electrical Response and Reliability of Nanostructures	0
MARYLAND, UNIVERSITY OF Baltimore, MD	DE-FG02-07ER64339 05/30/2010 Baulch	SC-23.2	Identification and Characterization of Soluble Factors Involved in Delayed Effects of Low Dose Radiation	0
MARYLAND, UNIVERSITY OF Baltimore, MD	DE-FG02-09ER64916 09/28/2010 Swaan	SC-23.2	Center for Nanomedicine at the University of Maryland in Baltimore to Support Research into New Nanoconstructs	693
MARYLAND, UNIVERSITY OF Baltimore, MD	DE-FG02-08ER64569 06/14/2011 Varnai	SC-23.1	Parameterization and Analysis of 3-D Solar Radiative Transfer in Clouds	65
MARYLAND, UNIVERSITY OF Baltimore, MD	DE-FG02-08ER64563 06/14/2011 Chiu	SC-23.1	Use of the ARM Measurements of Spectral Zenith Radiance for Better Understanding of 3D Cloud-Radiation Processes and Aerosol-Cloud Interaction	127
MARYLAND, UNIVERSITY OF College Park, MD	DE-FG02-07ER41489 07/31/2010 Nusinovich	SC-25	High Gradient Accelerating Structures	196
MARYLAND, UNIVERSITY OF College Park, MD	DE-FG02-07ER46441 08/14/2010 Yang	SC-22.22	Suspensions of Monodisperse Nanoparticles as Model Systems for Probing Heat Transfer Mechanisms in Nanofluids	157
MARYLAND, UNIVERSITY OF College Park, MD	DE-FG02-02ER45975 06/30/2011 Culver	SC-22.23	Virus Assemblies as Templates for Nanocircuits	160
MARYLAND, UNIVERSITY OF College Park, MD	DE-FC02-04ER54784 07/31/2010 Dorland	SC-24.2	The Center for Multiscale Plasma Dynamics	0

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MARYLAND, UNIVERSITY OF College Park, MD	DE-FG02-07ER54944 07/31/2010 Antonsen	SC-24.2	Interaction of Radiation and Charged Particles in Miniature Plasma Structures	88
MARYLAND, UNIVERSITY OF College Park, MD	DE-FC02-08ER54964 02/14/2011 Dorland	SC-24.2	Center for the Study of Plasma Microturbulence	95
MARYLAND, UNIVERSITY OF College Park, MD	DE-FG02-09ER46607 08/31/2012 Galitskiy	SC-22.22	Theory of Fluctuations in Superconductors	103
MARYLAND, UNIVERSITY OF College Park, MD	DE-FG02-09ER46564 04/14/2011 Appelbaum	SC-22.21	Imaging of Buried Nanoscale Optically Active Materials	289
MARYLAND, UNIVERSITY OF College Park, MD	DE-FG02-95ER54325 01/14/2011 Nusinovich, Granatstein	SC-24.2	Theory of Gyrotrons for Controlled Fusion Reactors	140
MARYLAND, UNIVERSITY OF College Park, MD	DE-FG02-99ER54516 01/31/2010 Hassam	SC-24.2	Theoretical Considerations for Centrifugally Confined Plasmas	85
MARYLAND, UNIVERSITY OF College Park, MD	DE-FG02-00ER54605 11/30/2010 Ellis	SC-24.2	The Maryland Centrifugal Experiment (MCX): Centrifugally Confined Plasmas for Magnetic Fusion	472
MARYLAND, UNIVERSITY OF College Park, MD	DE-FG02-92ER54178 08/14/2011 Kishek, Reiser, O'Shea	SC-24.2	Physics of Beams at Extreme Intensity for Heavy Ion Inertial Fusion	221
MARYLAND, UNIVERSITY OF College Park, MD	DE-FG02-93ER54197 12/31/2010 Dorland	SC-24.2	Maryland Controlled Fusion Research	595
MARYLAND, UNIVERSITY OF College Park, MD	DE-FG02-98ER14888 10/31/2011 Davis	SC-22.12	Self-Assembled Ionophores: Continuing in New Directions	140
MARYLAND, UNIVERSITY OF College Park, MD	DE-FG02-06ER15761 11/14/2010 Mullin	SC-22.11	Dynamics of Activated Molecules	160
MARYLAND, UNIVERSITY OF College Park, MD	DE-FG02-07ER15883 08/31/2010 Sze	SC-22.13	Integrating Cation Transport and pH Across Endomembranes With the Secretory System	160
MARYLAND, UNIVERSITY OF 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	106
MARYLAND, UNIVERSITY OF College Park, MD	DE-FG02-97ER41015 10/31/2012 Hadley, Skuja	SC-25	RECOVERY ACT-High Energy Accelerator and Colliding Beam User Group	1,592
MARYLAND, UNIVERSITY OF College Park, MD	DE-FG02-97ER41039 06/14/2012 Milchberg	SC-25	Application of Plasma Waveguides to Advanced High Energy Accelerators	350

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MARYLAND, UNIVERSITY OF College Park, MD	DE-FG02-94ER40834 01/31/2012 Walters	SC-26.1	Nuclear Structure Research	196
MARYLAND, UNIVERSITY OF College Park, MD	DE-FG02-93ER40802 04/30/2012 Mignerey	SC-26.1	Reaction Mechanism Studies of Heavy-Ion Induced Nuclear Reactions	265
MARYLAND, UNIVERSITY OF College Park, MD	DE-FG02-93ER40762 11/30/2010 Cohen	SC-26.1	Theoretical Studies in Hadronic and Nuclear Physics	737
MARYLAND, UNIVERSITY OF College Park, MD	DE-FG02-96ER40949 04/30/2010 Dragt	SC-25	Advanced Methods for the Computation of Particle Beam Transport & Computation of Electromagnetic Fields & Beam-Cavity	100
MARYLAND, UNIVERSITY OF College Park, MD	DE-FG02-94ER40855 06/30/2010 O'Shea, Haber	SC-25	Accelerator Research Studies	800
MARYLAND, UNIVERSITY OF College Park, MD	DE-FG02-09ER25942 09/14/2012 O'Leary	SC-21.1	Interior-Point Algorithms for Optimization Problems with Many Constraints	96
MARYLAND, UNIVERSITY OF 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	74
MARYLAND, UNIVERSITY OF College Park, MD	DE-FG02-09ER25947 09/14/2012 Hollingsworth	SC-21.1	Tools for the Development of High-Performance Energy Applications and Systems	184
MARYLAND, UNIVERSITY OF College Park, MD	DE-FG02-09ER25894 08/14/2012 Tits	SC-21.1	Advanced Optimization Techniques for Entropy-Based Moment Closures	244
MARYLAND, UNIVERSITY OF College Park, MD	DE-FG02-09ER25925 09/14/2012 Hollingsworth	SC-21.1	Foundational Tools for Petascale Computing	143
MARYLAND, UNIVERSITY OF College Park, MD	DE-FG02-09ER25932 09/14/2012 Hollingsworth	SC-21.1	Correctness Tools for Petascale Computing	103
MARYLAND, UNIVERSITY OF College Park, MD	DE-FC02-07ER25812 02/28/2011 Sussman	SC-21.1	Center for Technology for Advanced Scientific Component Software (TASCS)	62
MARYLAND, UNIVERSITY OF College Park, MD	DE-FG02-04ER25619 08/31/2011 Elman	SC-21.1	Navier-Stokes Solvers and Generalizations for Reacting Flow Problems	232
MARYLAND, UNIVERSITY OF College Park, MD	DE-FC02-06ER25763 12/14/2011 Hollingsworth	SC-21.1	Performance Engineering Research Center (PERC-3)	240
MARYLAND, UNIVERSITY OF College Park, MD	DE-FG02-09ER16035 07/31/2014 Rubloff	SC-22.12	Science of Precision Multifunctional Nanostructures for Electrical Energy Storage -- EFRC	1,910

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MARYLAND, UNIVERSITY OF 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	225
MARYLAND, UNIVERSITY OF 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	159
MARYLAND, UNIVERSITY OF College Park, MD	DE-FG02-07ER64437 07/14/2011 Kalnay	SC-23.1	Carbon Data Assimilation with a Coupled Ensemble Kalman Filter	190
MARYLAND, UNIVERSITY OF College Park, MD	DE-FG02-08ER64650 12/31/2010 Kirk-Davidoff	SC-23.1	The Impact of Climate Change on the U.S. Wind Energy Resource: Extension to High-Resolution	0
MARYLAND, UNIVERSITY OF College Park, MD	DE-FG02-08ER64606 07/31/2011 Fox-Rabinovitz	SC-23.1	Development of Ensemble Neural Network Convection Parameterizations for Climate Models Using ARM Data	155
MARYLAND, UNIVERSITY OF College Park, MD	DE-FG02-08ER64571 07/14/2011 Li	SC-23.1	Use of ARM Mobile Facility (AMF) Data to Study Aerosol Indirect Effects in China	125
MARYLAND, UNIVERSITY OF College Park, MD	DE-FG02-08ER64548 04/30/2011 Nigam	SC-23.1	Atmosphere-Land-Surface Interaction Over the Southern Great Plains: Diagnosis of Mechanisms from SGP ARM Data	175
MARYLAND, UNIVERSITY OF 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 Assimilation	161
U.S. NAVAL ACADEMY Annapolis, MD	DE-AI02-09ER46667 09/14/2012 Trulove	SC-22.23	SISGR: Linking Ion Solvation and Lithium Battery Electrolyte Properties	107
Total for MD :				17,909

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
MAINE, UNIVERSITY OF Orono, ME	DE-FG02-00ER63001 09/14/2010 Dail	SC-23.1	Economically Viable Harvesting Practices That Increase Carbon Sequestration	117
MAINE, UNIVERSITY OF Orono, ME	DE-FG02-07ER46373 12/31/2010 Pendse	SC-22.21	Thermochemical Conversion of Woody Biomass to Fuels and Chemicals	750
			Total for ME :	867

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
CENTRAL MICHIGAN UNIVERSITY Mount Pleasant, MI	DE-FG02-03ER15489 11/14/2009 Jackson	SC-22.11	Computational Nanophotonics: Modeling Optical Interactions and Transport in Tailored Nanosystem Acrhitectures	0
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	154
CENTRAL MICHIGAN UNIVERSITY Mount Pleasant, MI	DE-FC02-09ER41584 11/30/2011 Horoi	SC-26.1	Building a Universal Nuclear Energy Density Functional	90
DETROIT MERCY, UNIVERSITY OF Detroit, MI	DE-FG02-09CH11564 09/29/2010 Hanifin	SC-23	Chemistry Building Renovation, University of Detroit Mercy	462
MARYGROVE COLLEGE Detroit, MI	DE-FG02-09CH11575 08/01/2010 Fike	SC-23	Strengthening the Capacity of the Science and Mathematics Programs at Marygrove College	184
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-09ER64761 06/14/2011 Reguera	SC-23.1	From Nanowires to Biofilms: An Exploration of Novel Mechanisms of Uranium Transformation Mediated by Geobacter	85
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-08ER64631 08/14/2011 Buell	SC-23.2	Computational Resources for Biofuel Feedstock Species	210
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-07ER64389 05/31/2011 Tiedje	SC-23.2	Integrated Genome-Based Studies of Shewanella Ecophysiology	300
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-07ER64365 03/14/2010 Marsh	SC-23.1	Monitoring Uranium Transformations Determined by the Evolution of Biogeochemical Processes	16
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-07ER64398 03/14/2011 Tiedje	SC-23.1	Metagenomics-Enabled Understanding of the Functions and Activities of Microbial Communities at ERSP Field Research Center	591
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FC02-09ER41585 11/30/2011 Brown	SC-26.1	Building a Universal Nuclear Energy Density Functional	100
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FC02-09ER41597 04/30/2019 Glasmacher	SC-26.2	Facility for Rare Isotope Beams	7,000
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-97ER45651 05/31/2010 Billinge, Thorpe	SC-22.21	Nanostructure Determination by Co-Refining Models to Multiple Data-Sets	0
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-06ER41413 04/30/2010 Bollen	SC-26.2	Development of a Fast Cyclotron Gas Stopper for Rare Isotope Beams from Projectile Fragmentation: Study of Ion	0
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-06ER41414 04/30/2010 Zeller	SC-26.2	Design and Construction of a Radiation Resistant Quadropole using Metal Oxide Insulated CICC	0

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-07ER41473 10/30/2009 Kostin	SC-26.2	Development of Parallel Computing Framework to Enhance Radiation Transport Code Capabilities for Rare Isotope Beam	0
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-07ER41474 10/30/2009 Ronningen	SC-26.2	Optimization Studies for ISOL Type High-Powered Targets	0
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-07ER41475 10/30/2009 Ronningen	SC-26.2	Studies of Limits on Uncontrolled Heavy Ion Beam Losses for Allowing Hands-On Maintenance in a Rare Isotope Beam	0
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-08ER41548 06/30/2010 Ronningen	SC-26.2	Benchmarking Heavy Ion Transport Codes PHITS, FLUKA, HETC-HEDS, and MARS15	0
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-08ER41554 06/30/2010 York	SC-26.2	Beam Simulations Using Virtual Diagnostics for the Driver Linac	0
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-08ER41556 06/30/2011 Gade	SC-26.1	Study of Correlation Effects in Nuclei at the Limit of Stability	49
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-08ER41570 12/31/2009 Brown	SC-25	Making the Standard Candle	0
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-08ER41546 03/14/2011 Berz	SC-25	RECOVERY ACT: Advanced Map Methods for the Description of Particle Beam Dynamics	376
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-FG02-06ER46341 08/31/2012 Birge	SC-22.22	Novel Behavior of Ferromagnet/Superconductor Hybrid Systems	156
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-05ER46211 05/31/2009 Mackay	SC-22.23	Nanoparticles Stabilize Thin Polymer Films; A Fundamental Study to Understand the Phenomenon	-154
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-09ER46578 07/31/2014 Morelli	SC-22.22	Revolutionary Materials for Solid State Energy Conversion: A DOE Energy Frontier Research Center -- EFRC	2,125
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-FG02-99ER62848 08/31/2010 Tiedje	SC-23.2	The Ribosomal Database Project: Tools and Sequences for Microbial Analysis	0
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-87ER13729 05/31/2010 Ohlrogge, Pollard	SC-22.13	Understanding Acyl Chain and Glycerolipid Metabolism in Plants	0

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-01ER15228 05/31/2010 Piecuch	SC-22.11	New Single-and Multi-Reference Coupled-Cluster Methods for High Accuracy Calculations of Ground and Excited States	120
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	648
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-98ER14907 07/31/2010 Bruening	SC-22.1	Exploring New Methods and Materials in the Formation of Selective, High-Flux Membranes for CO2 Removal	140
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	0
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-07ER15854 02/29/2012 Mantica	SC-22.12	Support for the American Chemical Society's Summer Schools in Nuclear and Radiochemistry	239
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-06ER15808 07/31/2012 Osteryoung	SC-22.13	Mechanisms of Chloroplast Division in Plants	170
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-FG02-09ER16108 09/14/2012 Dantus	SC-22.11	SISGR - Understanding and Controlling Strong-Field Laser Interactions with Polyatomic Molecules	198
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-91ER20021 12/31/2011 Thomashow	SC-22.13	Interdisciplinary Research and Related Training Program in the Plant Sciences	4,000
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-98ER20305 07/31/2010 Benning	SC-22.13	Regulation of Thylakoid Lipid Biosynthesis in Plants	170
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-98ER41070 06/30/2010 Westfall	SC-26.1	Study of the QCD Phase Diagram using STAR at RHIC	161
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-03ER41259 05/31/2012 Pratt	SC-26.1	Determining Properties of Matter Created at RHIC	98
MICHIGAN TECH. UNIVERSITY Houghton, MI	DE-FG02-99ER41107 04/14/2011 Nitz	SC-25	RECOVERY ACT: Studies of High Energy Particle Astrophysics	275
MICHIGAN TECH. UNIVERSITY Houghton, MI	DE-FG02-95ER62125 03/31/2012 Burton, Pregitzer	SC-23.1	Impacts of Interacting Elevated Atmospheric CO2 & O3 on the Structure & Functioning of a Northern Forest	1,497
MICHIGAN TECH. UNIVERSITY Houghton, MI	DE-FG02-09ER46674 09/14/2012 Wang	SC-22.22	SISGR - Domain Microstructures and Mechanisms for Large, Reversible and An hysteretic Strain Behaviors in Phase Transforming Ferroelectric Materials	126

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands)
				FY 2009
MICHIGAN TECH. UNIVERSITY Houghton, MI	DE-FG02-06ER46294 07/31/2011 Yap	SC-22.22	Hetero-Junctions of Boron Nitride and Carbon Nanotubes: Synthesis and Characterization	144
MICHIGAN TECH. UNIVERSITY Houghton, MI	DE-FG02-06ER64151 11/14/2009 Busov	SC-23.2	Genome-Enabled Modification of Poplar Root Development for Increased Carbon Sequestration	0
MICHIGAN TECH. UNIVERSITY Houghton, MI	DE-FC02-06ER64158 11/30/2010 Burton	SC-23.1	Midwestern Regional Center of the National Institute for Climatic Change Research	1,664
MICHIGAN TECH. UNIVERSITY Houghton, MI	DE-FG02-04ER63792 03/31/2008 Karnosky	SC-23.2	An Integrated Functional Genomics Consortium to Increase Carbon Sequestration in Poplars: Optimizing Aboveground Carbon Gain	-2
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-07ER64446 07/31/2011 Rood	SC-23.1	Subgrid-Scale Mixing in Climate Models: A Novel Look at Diffusion, Accuracy, Stability and Climate Sensitivity	241
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	332
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-06ER46339 08/14/2010 Goldman	SC-22.21	Determining the Origins of Electronic States in Semiconductor Nanostructures	0
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-07ER46379 05/31/2010 Allen	SC-22.21	Synchrotron Studies of Quantum Emergence in Non-Low Dimensional Materials	158
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-07ER46412 08/14/2011 Green	SC-22.23	Thin Film Polymer Nanoparticle Composites: Morphology and Dynamics	230
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-07ER46416 07/31/2010 Pan	SC-22.21	Structure and Dynamics of Domains in Ferroelectric Nanostructures	138
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-04ER46172 08/31/2010 Mirecki-Millunchick	SC-22.22	Mechanisms for Surface Segregation in Compound Semiconductor Thin Films	150
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-06ER46273 04/30/2012 Clarke	SC-22.21	Structure and Dynamics at Interfaces	166
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-03ER46094 11/14/2009 Glotzer	SC-22.22	Integrated Multiscale Modeling of Molecular Computing Devices	0
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-02ER46005 05/31/2010 Wang	SC-22.22	Nanostructure Patterning under Energetic Particle Beam Irradiation	177
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-02ER46000 11/30/2011 Glotzer	SC-22.23	Simulation of Self-Assembly of Tethered Nanoparticle Shape Amphiphiles	160

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-97ER45656 01/31/2011 Ewing	SC-22.22	Particle-Induced Modification of Complex Ceramics: Response of Materials to Extreme Conditions	251
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-09ER41615 08/31/2011 Campbell	SC-25	Proposal to Participate in J-Parc KL Experiment	600
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-09ER46588 07/31/2014 Green	SC-22.23	RECOVERY ACT - EFRS: Solar Energy Conversion in Complex Materials (SECCM) -- EFRS	19,500
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-08ER46525 08/31/2011 Was	SC-22.22	Localized Deformation and Intergranular Fracture of Irradiated Alloys Under Extreme Environmental Conditions	203
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-97ER62370 12/14/2010 Penner	SC-23.1	Cloud/Aerosol Parameterizations: Application and Improvement of General Circulation Models	154
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-93ER61666 08/14/2011 Zak	SC-23.1	Ecosystem Response to Elevated Tropospheric Carbon Dioxide (CO2) and Ozone (O3) is Regulated by Plant-Microbe	0
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FC02-09ER55050 08/14/2014 Kushner	SC-24.2	RECOVERY ACT - Predictive Control of Plasma Kinetics: Multi-Phase and Bounded Systems	2,002
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-FG02-01ER63248 09/14/2011 Penner	SC-23.1	Development of an Atmospheric Climate Model with Self-Adapting Grid and Physics	267
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	155
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-95ER40899 10/31/2011 Amidei	SC-25	RECOVERY ACT: Properties and Interactions of Elementary Particles	3,638
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	196
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	153
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FC02-06ER25766 12/14/2011 Honeyman	SC-21.1	Petascale of Data Storage Institute	299
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	170

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-07ER15904 08/31/2010 Ogilvie	SC-22.13	Two-Dimensional Electronic Spectroscopy of Light-Harvesting Complexes	203
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-08ER15931 01/14/2011 Ragsdale	SC-22.13	Enzymology of Methanogenesis: Mechanism of Methyl-Coenzyme M Reductase	200
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-08ER15997 08/14/2011 Sanford	SC-22.12	Catalytic Oxidative Coupling of Arenes and Alkanes: Applications for Efficient Chemical Synthesis and for Hydrocarbon	130
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-FG02-05ER15686 08/31/2011 Linic	SC-22.12	Adsorbate-Adsorbate Interactions on Metal Surface: First Principles DFT and ab-initio Thermodynamics Studies of Alkali	150
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-99ER14972 11/14/2010 Raithel	SC-22.11	Interactions of Cold Rydberg Atoms in a High-Magnetic-Field Atom Trap	60
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-00ER15031 02/28/2009 Reis	SC-22.1	Ultrafast X-Ray Coherent Control	0
WAYNE STATE UNIVERSITY Detroit, MI	DE-FG02-09ER41596 05/14/2010 Karchin	SC-25	Request for Funding Support of the 2009 DPF Meeting at Wayne State University (July 26-31, 2009)	45
WAYNE STATE UNIVERSITY Detroit, MI	DE-FG02-96ER41005 02/29/2012 Karchin	SC-25	RECOVERY ACT: Particle Physics Research Program	375
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 Complexes in Solution and on Surfaces	440
WAYNE STATE UNIVERSITY Detroit, MI	DE-FG02-04ER15593 10/31/2010 Suits	SC-22.11	Universal and State-Resolved Imaging Probes of Chemical Reaction Dynamics	259
WESTERN MICHIGAN UNIVERSITY Kalamazoo, MI	DE-FG02-09ER64917 09/28/2011 Barnes	SC-23.2	MICHCARB A Geological Carbon Sequestration Research and Education Program for Michigan	601
WESTERN MICHIGAN UNIVERSITY Kalamazoo, MI	DE-FG02-99ER45772 12/31/2011 Burns	SC-22.21	X-ray and Transport Studies of Highly Correlated Systems	100
WESTERN MICHIGAN UNIVERSITY Kalamazoo, MI	DE-FG02-04ER41320 05/14/2010 Wuosmaa	SC-26.1	Study of Light Exotic Nuclei Using Nucleon Transfer Reactions with Exotic Beams	168
WESTERN MICHIGAN UNIVERSITY Kalamazoo, MI	DE-FG02-92ER14299 03/14/2011 Berrah	SC-22.11	Probing Complexity Using the ALS and the LCLS	260

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
WESTERN MICHIGAN UNIVERSITY Kalamazoo, MI	DE-FG02-09ER16111 09/14/2011 Berrah	SC-22.11	SISGR - Advanced Instrumentation for Ultrafast Science at the LCLS	3,000
Total for MI :				57,512

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
AUGSBURG COLLEGE Minneapolis, MN	DE-FG02-04CH11202 12/31/2009 Adamson	SC-23	Construction of "New Science Building"	0
MINNESOTA, UNIVERSITY OF Duluth, MN	DE-FG02-98ER41087 05/31/2010 Hiller	SC-25	Nonperturbative Analysis of Field Theories Quantized on the Light Cone	43
MINNESOTA, UNIVERSITY OF Minneapolis, MN	DE-FG02-94ER40823 10/31/2010 Rusack, Olive	SC-25	RECOVERY ACT: Experimental and Theoretical High Energy Physics	1,657
MINNESOTA, UNIVERSITY OF Minneapolis, MN	DE-FG02-87ER40328 01/31/2011 Kapusta, Qian, Heger	SC-26.1	Research in Theoretical Nuclear Physics	402
MINNESOTA, UNIVERSITY 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	840
MINNESOTA, UNIVERSITY OF Minneapolis, MN	DE-FG02-08ER25841 06/14/2011 Saad	SC-21.1	Robust Parallel Iterative Solvers for Linear and Least-Squares Systems	135
MINNESOTA, UNIVERSITY 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, UNIVERSITY OF Minneapolis, MN	DE-FG02-03ER15455 08/31/2011 Que	SC-22.12	Bio-inspired Iron Catalysts for Hydrocarbon Oxidations	175
MINNESOTA, UNIVERSITY OF Minneapolis, MN	DE-FG02-88ER13878 06/30/2011 Schmidt	SC-22.1	Biofuels from Biomass by Catalytic Autothermal Reforming	155
MINNESOTA, UNIVERSITY OF Minneapolis, MN	DE-FG02-86ER13579 11/30/2010 Truhlar	SC-22.11	Variational Transition State Theory	135
MINNESOTA, UNIVERSITY OF Minneapolis, MN	DE-FG02-05ER15670 08/31/2011 Glazebrook	SC-22.13	Functional Genomics Analysis of Plant Resistance to Pathogens: Impact of the Cell Wall	140
MINNESOTA, UNIVERSITY 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	200
MINNESOTA, UNIVERSITY OF Minneapolis, MN	DE-FG02-07ER15913 08/31/2010 Gladfelter	SC-22.13	Monodispersed Zinc Oxide Nanoparticle-Dye Dyads and Triads: Characterization of the Early Events in Dye-Sensitized Solar Cells	255
MINNESOTA, UNIVERSITY OF Minneapolis, MN	DE-FG02-07ER15886 07/31/2010 Ward	SC-22.13	Functional Analysis of Plant Sucrose Transporters	152
MINNESOTA, UNIVERSITY OF Minneapolis, MN	DE-FG02-09ER55040 08/14/2012 Kortshagen	SC-24.2	Charging and Heating Dynamics of Nanoparticles in Nonthermal Plasmas	67

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MINNESOTA, UNIVERSITY OF Minneapolis, MN	DE-FG02-07ER46468 06/30/2009 Zhu	SC-22.23	Extracting Hot or Multiple Charge Carriers from Photoexcited Semiconductor Nanocrystals	0
MINNESOTA, UNIVERSITY OF Minneapolis, MN	DE-FG02-09ER46640 09/14/2012 Zudov	SC-22.22	SISGR - Emergent Phenomena in Quantum Hall Systems Far From Equilibrium	154
MINNESOTA, UNIVERSITY OF Minneapolis, MN	DE-FC02-09ER41618 03/14/2011 Heger	SC-26.1	Computational Astrophysics Consortium: 3. Supernovae, Gamma-Ray Bursts, and Nucleosynthesis	130
MINNESOTA, UNIVERSITY OF Minneapolis, MN	DE-FG02-09ER41598 04/30/2010 Marshak	SC-25	10th Conference on the Intersections of Particle and Nuclear Physics (May 26-31, 2009)	5
MINNESOTA, UNIVERSITY OF Minneapolis, MN	DE-FG02-09ER41610 07/31/2010 Mandic	SC-25	Large Cryogenic Germanium Detector	100
MINNESOTA, UNIVERSITY OF Minneapolis, MN	DE-FG02-08ER41572 08/14/2010 Rusack	SC-25	Advanced Fiber Optic Systems for HEP Experiments	0
MINNESOTA, UNIVERSITY OF Minneapolis, MN	DE-FC02-07ER41471 10/31/2011 Marshak	SC-25	RECOVERY ACT-Collaborative Research and Development in Neutrino Physics	43,704
MINNESOTA, UNIVERSITY OF Minneapolis, MN	DE-FG02-02ER46004 08/31/2011 Goldman	SC-22.22	Tunneling and Transport in Nanowires	140
MINNESOTA, UNIVERSITY OF Minneapolis, MN	DE-FG02-06ER46275 03/14/2012 Leighton	SC-22.21	A Global Understanding of Magnetic Phase Separation in Doped Cobaltites	133
MINNESOTA, UNIVERSITY OF Minneapolis, MN	DE-FG02-05ER46252 06/30/2009 Zhu	SC-22.23	Spectroscopy and Charge Transport at Organic Semiconductor and Organic/Insulator Interfaces	176
MINNESOTA, UNIVERSITY OF Minneapolis, MN	DE-FG02-07ER46415 08/31/2010 Kumar	SC-22.23	Hydrodynamic Self-Assembly of Topographical Patterns on Soft Materials	58
MINNESOTA, UNIVERSITY OF Minneapolis, MN	DE-FG02-06ER46348 08/14/2010 Norris	SC-22.23	Modification of Thermal Emission via Metallic Photonic Crystals	196
MINNESOTA, UNIVERSITY OF Minneapolis, MN	DE-FG02-07ER64456 07/31/2011 Reich	SC-23.1	Boreal Ecotone Warming Experiment	410
MINNESOTA, UNIVERSITY OF Minneapolis, MN	DE-FG02-05ER63997 12/31/2010 McMurry	SC-23.1	Growth Rates of Freshly Nucleated Particles	249
MINNESOTA, UNIVERSITY OF Minneapolis, MN	DE-FG02-06ER64316 08/31/2010 Griffis	SC-23.1	Investigation of Carbon Cycle Processes within a Managed Landscape: An Ecosystem Manipulation and Isotope Tracer Approach	36

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
MINNESOTA, UNIVERSITY OF Minneapolis, MN	DE-FG02-06ER64223 03/31/2010 Penn	SC-23.1	The Reaction Specificity of Nanoparticles in Solution: Application to the Reaction of Nanoparticulate Iron and Iron-Bimetal	67
			Total for MN :	50,114

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
SITY OF SCIENCE AND TECHNOLOGY Rolla, MO	DE-FG02-05ER46245 12/31/2008 Yelon	SC-22.21	In-Situ Neutron Diffraction Studies of Novel Hydrogen Storage Materials	0
SITY 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-FG02-04ER15607 08/31/2009 Thompson	SC-22.11	Theoretical Chemical Dynamics Studies of Elementary Combustion React	0
MISSOURI, UNIVERSITY OF Columbia, MO	DE-FG02-08ER15958 06/14/2010 Appold	SC-22.12	Evaluation of the Origin and Hydrocarbon Transport Capabilities of Solitary Waves in Fault Conduits with Visco-Elastic	85
MISSOURI, UNIVERSITY OF Columbia, MO	DE-FG02-88ER13880 07/14/2011 Sharp	SC-22.1	Platinum Oxo Complex Reactivity and Dioxxygen Activation	150
MISSOURI, UNIVERSITY OF Columbia, MO	DE-FG02-02ER15309 05/31/2011 Stacey	SC-22.13	Plant Response to LCO/CO Signals	175
MISSOURI, UNIVERSITY OF Columbia, MO	DE-FG02-00ER45818 11/30/2012 Satpathy	SC-22.22	Fundamental Studies of Complex Oxides and Their Interfaces	110
MISSOURI, UNIVERSITY OF Columbia, MO	DE-FG02-06ER46307 08/30/2008 Zhang	SC-22.22	Effects of Current on Ferromagnets	-92
MISSOURI, UNIVERSITY OF Columbia, MO	DE-FG02-07ER46411 08/14/2010 Pfeifer	SC-22.23	Networks of Boron-Doped Carbon Nanopores for Low-Pressure Reversible Hydrogen Storage	300
MISSOURI, UNIVERSITY OF Columbia, MO	DE-FG02-07ER46381 05/31/2011 Montfrooij	SC-22.21	Designer Phase Transitions in Lithium-Based Spinels	140
MISSOURI, UNIVERSITY OF Columbia, MO	DE-FG02-05ER46203 05/31/2011 Vignale	SC-22.22	Time-Dependent Current Density-Functional Theory of Charge, Energy and Spin Transport in Nanoscale Conductors	105
MISSOURI, UNIVERSITY OF Columbia, MO	DE-FG02-05ER46213 12/31/2010 Ullrich	SC-22.22	Charge and Spin Dynamics in Bulk and Heterostructured Dilute Magnetic Semiconductors	105
MISSOURI, UNIVERSITY OF Columbia, MO	DE-FG02-07ER64504 08/31/2010 Meyer	SC-23.2	Growth in Biofuels Markets: Long Term Environmental and Socioeconomic Impacts	0
MISSOURI, UNIVERSITY OF Columbia, MO	DE-FG02-07ER64396 03/31/2011 Wall	SC-23.1	Geochemical, Genetic, and Community Controls on Mercury Methylation	216
MISSOURI, UNIVERSITY OF Columbia, MO	DE-FG02-09ER64825 08/31/2012 Jurisson	SC-23.2	Research Projects for Interrogations of Biological Systems: Training for the Development of Novel Radiotracers	528

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
MISSOURI, UNIVERSITY OF Columbia, MO	DE-FG02-09ER64877 09/14/2011 Deutscher	SC-23.2	Radiolabeled Peptide Scaffolds for PET/SPECT - Optical in Vivo Imaging of Carbohydrate-Lectin Interactions	599
MISSOURI, UNIVERSITY OF Columbia, MO	DE-FG02-09ER64890 09/14/2011 Giblin	SC-23.2	Functionalized PEI Nanoparticles for Delivery of IGF-1R - Targeted siRNA's to uPAR-Expressing Tumors in Vitro and in Vivo	591
MISSOURI, UNIVERSITY OF Columbia, MO	DE-FG02-08ER64691 09/14/2011 Wall	SC-23.2	Pathway of Fermentative Hydrogen Production by Sulfate-Reducing Bacteria	215
MISSOURI, UNIVERSITY OF Kansas City, MO	DE-FG02-84ER45170 10/31/2010 Ching	SC-22.21	Theoretical Studies on the Electronics Structures and Properties of Complex Ceramic Crystals and Novel Materials	160
WASHINGTON UNIVERSITY St. Louis, MO	DE-FG02-07ER15902 08/31/2010 Blankenship	SC-22.13	Mechanism of Solar Energy Storage by Chlorosome Antennas of Green Photosynthetic Bacteria	200
WASHINGTON UNIVERSITY St. Louis, MO	DE-FG02-05ER15661 05/14/2011 Holten	SC-22.13	Fundamental Studies of Hydroporphyrin Architectures for Solar Energy Applications	145
WASHINGTON UNIVERSITY St. Louis, MO	DE-FG02-91ER40628 03/31/2011 Bender, Ogilvie, Bernard	SC-25	RECOVERY ACT: Studies in Quantum Field Theory and Astroparticle Physics	745
WASHINGTON UNIVERSITY St. Louis, MO	DE-FG02-87ER40316 12/31/2010 Sobotka	SC-26.1	Studies of Complex Nuclear Decay in Heavy-Ion Reactions	263
WASHINGTON UNIVERSITY St. Louis, MO	DE-FG02-88ER40406 11/30/2011 Sarantites	SC-26.1	Investigations of Nuclear Structure and Nuclear Reactions	340
WASHINGTON UNIVERSITY St. Louis, MO	DE-FG02-04ER25624 07/31/2008 Fried	SC-21.1	Continuum Mechanical and Computational Aspects of Material Behavior	0
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	170
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-22.11	Photosynthetic Antenna Research Center (PARC) -- EFRC	3,375
WASHINGTON UNIVERSITY St. Louis, MO	DE-FG02-05ER41375 05/31/2011 Alford	SC-26.1	Signatures of Color Superconductivity in High-Density Quark Matter	109
WASHINGTON UNIVERSITY St. Louis, MO	DE-FG02-05ER46256 08/31/2011 Conradi	SC-22.22	NMR Hydrogen Storage Systems: Ionic Hydrides and Mobile Species	190

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
WASHINGTON UNIVERSITY St. Louis, MO	DE-FG02-06ER64229 05/31/2009 Giammar	SC-23.1	Coupled Biogeochemical Processes Governing the Stability of Bacteriogenic Uraninite and Release of U(VI) in Heterogeneous Media: Molecular to Meter Scales	0
WASHINGTON UNIVERSITY St. Louis, MO	DE-FG02-08ER64694 09/14/2011 Pakrasi	SC-23.2	Development of Cyanothecae as a New Model Organism for Biological Hydrogen Production	600
WASHINGTON UNIVERSITY St. Louis, MO	DE-FG02-09ER64820 08/31/2012 Welch	SC-23.2	Integrated Research Training Program of Excellence in Radiochemistry	511
WASHINGTON UNIVERSITY St. Louis, MO	DE-FG02-09ER64891 09/14/2011 Lapi	SC-23.2	Novel, Dually Radiolabeled Peptides for Simultaneous Monitoring of Enzymatic Activity and Protein Targets	594
Total for MO :				10,998

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
MISSISSIPPI STATE UNIVERSITY Mississippi State, MS	DE-FG02-04ER63842 09/14/2007 Chamra	SC-23.2	Micro Cooling, Heating, and Power (Micro-CHP) and Bio-Fuel Center - Mississippi State University	-2
MISSISSIPPI STATE UNIVERSITY Mississippi State, MS	DE-FG02-07ER64459 08/31/2010 Peng	SC-23.2	Identification of Cell Wall Synthesis Regulatory Genes Controlling Biomass Characteristics and Yield in Rice (Oryza	300
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 Afanasjevs	SC-26.1	Nuclei at Extreme Conditions: A Relativistic Study	65
MISSISSIPPI STATE UNIVERSITY Mississippi State, MS	DE-FG02-07ER41528 08/31/2010 Dutta	SC-26.1	Electron Detector for the Jefferson Lab Hall C Compton Polarimeter	134
MISSISSIPPI STATE UNIVERSITY Mississippi State, MS	DE-FG02-04ER41330 08/14/2010 Dunne	SC-26.1	Intermediate Energy Nuclear Physics Program	121
MISSISSIPPI STATE UNIVERSITY Mississippi State, MS	DE-FG02-04ER15514 01/31/2012 Sygula	SC-22.12	Polynuclear Aromatic Hydrocarbons with Curved Surfaces: Buckybowls	135
MISSISSIPPI STATE UNIVERSITY Mississippi State, MS	DE-FG02-95ER40939 04/30/2010 Ma	SC-26.1	Experimental Nuclear Structure Studies	143
MISSISSIPPI STATE UNIVERSITY Mississippi State, MS	DE-FG02-96ER41006 06/30/2011 Winger	SC-26.1	Nuclear Structure of Exotic Nuclei with Radioactive Ion Beams	73
MISSISSIPPI, UNIVERSITY OF University, MS	DE-FG02-91ER40622 04/30/2010 Cremaldi	SC-25	Experimental Study of Electroweak and Heavy Flavor Physics	550
Total for MS :				1,659

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Listing of Awards for State (MT)

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
MONTANA STATE UNIVERSITY Bozeman, MT	DE-FG02-07ER46477 08/31/2011 Douglas	SC-22.23	Protein Architectures for Photo-Catalytic Hydrogen Production	328
MONTANA STATE UNIVERSITY Bozeman, MT	DE-FG02-08ER46527 08/31/2011 Cunningham	SC-22.21	Environmental Responses to Geologic CO2 Sequestrations	490
MONTANA STATE UNIVERSITY Bozeman, MT	DE-FG02-06ER46269 12/31/2009 Neumeier	SC-22.21	Linear Thermal Expansion Measurements with Sub-Atomic Resolution for the Study of Phase Transitions in Novel Condensed Matter Systems	0
MONTANA STATE UNIVERSITY Bozeman, MT	DE-FG02-04ER15563 08/31/2010 Peters	SC-22.13	Novel Microbial Based Enzymatic CO2 Fixation/Carboxylation Mechanisms	152
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 Program	111
MONTANA STATE UNIVERSITY Bozeman, MT	DE-FG02-07ER64416 05/14/2010 Seymour	SC-23.1	Mechanistically-Based Field-Scale Models of Uranium Biogeochemistry From Upscaling Pore-Scale Experiments and Models	156
MONTANA STATE UNIVERSITY Bozeman, MT	DE-FG02-07ER64366 03/14/2010 Peyton	SC-23.1	Subsurface Uranium Fate & Transport: Integrated Experiments & Modeling of Coupled Biogeochemical Mechanisms of Nanocrystalline Uraninite Oxidation by	445
MONTANA STATE UNIVERSITY Bozeman, MT	DE-FG02-06ER64206 12/14/2010 Gerlach	SC-23.1	Mobility of Source Zone Heavy Metals and Radionuclides: The Mixed Roles of Fermentative Activity on Fate and	0
MONTANA, UNIVERSITY OF Missoula, MT	DE-FG02-01ER45869 12/31/2007 Bromenshenk	SC-22.21	Montana Organization for Research in Energy (MORE) Collaborative Research & Human Resources Program in Basic Electron Transfer Science & Electro-Optic Material	-53
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	49
Total for MT :				1,678

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Listing of Awards for State (NC)

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
DAVIDSON COLLEGE Davidson, NC	DE-FG02-04ER25590 10/31/2010 Chartier	SC-21.1	Numerical Methods for Forward and Inverse Problems in Discontinuous Media	48
DUKE UNIVERSITY Durham, NC	DE-FG02-03ER41231 12/14/2010 Gao	SC-26.1	Medium Energy Physics at Duke University	424
DUKE UNIVERSITY Durham, NC	DE-FG02-97ER41033 02/29/2012 Howell	SC-26.1	Studies of Nuclear Structure Using Neutrons and Charged Particles	3,433
DUKE UNIVERSITY Durham, NC	DE-FG02-91ER40665 11/30/2012 Kotwal	SC-25	Research in High Energy Physics at Duke University	1,102
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	145
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-FG02-09ER46602 08/14/2012 Thomas	SC-22.22	Simulating Strongly Correlated Electrons with a Strongly Interacting Fermi Gas	149
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)	901
DUKE UNIVERSITY Durham, NC	DE-FG02-00ER63015 09/14/2009 Oren	SC-23.1	Controls of Net Ecosystem Exchange at an Old Field, a Pine Plantation, & a Hardwood Forest Under Identical Climatic & Edaphic Conditions	0
DUKE UNIVERSITY Durham, NC	DE-FG02-05ER41367 03/14/2011 Mueller	SC-26.1	Nuclear Physics at Extreme Energy Density	388
DUKE UNIVERSITY Durham, NC	DE-FG02-05ER41368 03/14/2011 Springer	SC-26.1	Lattice and Effective Field Theory Studies of Quantum Chromodynamics	360
DUKE UNIVERSITY Durham, NC	DE-FG02-06ER64273 07/14/2010 Hegerl, Corliss	SC-23.1	Reducing Uncertainties in Future Climate Projections by Quantifying Human Contributions to 20th Century Climate	0
DUKE UNIVERSITY Durham, NC	DE-FG02-06ER64242 05/31/2010 Jackson	SC-23.1	The Interaction of Carbon Sequestration and Water Availability Along a Subambient to Elevated CO2 Gradient	0
DUKE UNIVERSITY Durham, NC	DE-FG02-05ER64101 01/31/2010 Jirtle	SC-23.2	Imprinted Genes and Transposons: Epigenomic Targets for Low Dose Radiation Effects	0
DUKE UNIVERSITY Durham, NC	DE-FC02-06ER64156 11/30/2010 Jackson	SC-23.1	Southeastern Regional Center of the National Institute for Climatic Change Research	1,691

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
ELIZABETH CITY STATE UNIV. Elizabeth City, NC	DE-FG02-00ER25435 12/31/2008 Houston	SC-21.1	ECSU's Innovative 2005 - 2008 Computational Science - Scientific Visualization Project	0
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 STATE UNIV. Raleigh, NC	DE-FG02-09ER46655 09/14/2012 Henderson	SC-22.23	SISGR: Linking Ion Solvation and Lithium Battery Electrolyte Properties	242
NORTH CAROLINA STATE UNIV. Raleigh, NC	DE-FG02-03ER46095 11/14/2009 Bernholc	SC-22.22	Integrated Multiscale Modeling of Molecular Computing Devices	0
NORTH CAROLINA STATE UNIV. Raleigh, NC	DE-FG02-86ER45259 02/28/2011 Whangbo	SC-22.23	Band Electronic Structures and Crystal Packing Forces	160
NORTH CAROLINA STATE UNIV. Raleigh, NC	DE-FG02-97ER45624 11/30/2011 Whitten	SC-22.23	Theoretical Studies of Surface Reactions on Metals and Electronic Materials	143
NORTH CAROLINA STATE UNIV. Raleigh, NC	DE-FG02-98ER45737 06/14/2010 Ade	SC-22.23	Organic Heterojunction Devices: Structure, Composition, and Performance	292
NORTH CAROLINA STATE UNIV. Raleigh, NC	DE-FG02-98ER45685 02/28/2013 Bernholc	SC-22.22	Theoretical Investigations of Nano Bio Structures	85
NORTH CAROLINA STATE UNIV. Raleigh, NC	DE-FG02-07ER41484 07/14/2010 Back	SC-25	Collaborative Proposal: DUSEL R&D at the Kimballton Underground Facility (ICP-MS Confirmation, Material Assay, and Radon	80
NORTH CAROLINA STATE UNIV. Raleigh, NC	DE-FG02-97ER41042 03/31/2012 Huffman	SC-26.1	Nuclear Structure Research at the Triangle Universities Nuclear Laboratory	667
NORTH CAROLINA STATE UNIV. Raleigh, NC	DE-FG02-02ER41216 07/14/2010 McLaughlin	SC-26.1	Neutrinos and Nucleosynthesis: Supernovae, Gamma Ray Bursts, and Low Energy Beta Beams	115
NORTH CAROLINA STATE UNIV. Raleigh, NC	DE-FG02-03ER41260 07/14/2012 Schaefer	SC-26.1	Nuclear Theory at North Carolina State University	240
NORTH CAROLINA STATE UNIV. Raleigh, NC	DE-FC02-07ER25809 11/14/2011 Vouk	SC-21.1	Scientific Data Management Center for Enabling Technologies (CET)	177
NORTH CAROLINA STATE UNIV. Raleigh, NC	DE-FG02-08ER25837 05/31/2011 Mueller	SC-21.1	Reliability, Availability and Serviceability (RAS) for Petascale High-End Computing and Beyond	50
NORTH CAROLINA STATE UNIV. Raleigh, NC	DE-FG02-07ER15914 08/31/2010 Maggard	SC-22.13	Molecular-Level Organization of Heterometallic Oxides/Organics for Photocatalysis	200

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
NORTH CAROLINA STATE UNIV. Raleigh, NC	DE-FG02-03ER15490 12/31/2008 Hanck, Gunnoe	SC-22.12	Transition Metal Catalyzed Hydroarylation of Multiple Bonds: Exploration of Second Generation Ruthenium Catalysts and Extension to Copper Systems	-148
NORTH CAROLINA STATE UNIV. Raleigh, NC	DE-FG02-00ER15065 06/30/2010 Boston	SC-22.13	Coordination of endoplasmic reticulum (ER) signaling during maize seed development	0
NORTH CAROLINA STATE UNIV. Raleigh, NC	DE-FG02-96ER14632 05/14/2011 Lindsey	SC-22.13	Fundamental Studies of Hydroporphyrin Architectures for Solar Energy Applications	205
NORTH CAROLINA STATE UNIV. Raleigh, NC	DE-FG02-08ER64687 09/14/2011 Kelly	SC-23.2	Biohydrogenogenesis in the Thermotogales	528
NORTH CAROLINA STATE UNIV. Raleigh, NC	DE-FG02-07ER64448 07/31/2010 Lackmann	SC-23.1	High-Resolution Modeling to Assess Tropical Cyclone Activity in Future Climate Regimes	200
NORTH CAROLINA STATE UNIV. Raleigh, NC	DE-FG02-08ER64508 12/14/2010 Meskhidze	SC-23.1	Effect and Terrestrial and Marine Organic Aerosol on Regional and Global Climate: Model Development, Application, and	206
NORTH CAROLINA STATE UNIV. Raleigh, NC	DE-FG02-08ER64510 12/31/2011 Dunn	SC-23.1	Impacts of Elevated Temperature on Ant Species, Communities and Ecological Roles at Two Temperate Forests in Eastern North America	766
NORTH CAROLINA STATE UNIV. Raleigh, NC	DE-FG02-04ER63752 12/14/2010 Lazzi	SC-23.2	Artificial Retina Project: Electromagnetic and Thermal Effects	199
NORTH CAROLINA STATE UNIV. Raleigh, NC	DE-FG02-04ER63754 02/28/2010 Chiang	SC-23.2	Effects of Down- and Up-regulated Lignin Biosynthesis in Populus of Soil Carbon Transformation and Storage	0
NORTH CAROLINA, UNIVERSITY OF Chapel Hill, NC	DE-FG02-07ER64422 05/31/2010 Chen	SC-23.2	Proteomic-Based Mechanistic Investigation of Low-Dose Radiation-Induced Cellular Responses/Effects	0
NORTH CAROLINA, UNIVERSITY OF Chapel Hill, NC	DE-FG02-09ER64723 11/30/2010 Pisano	SC-23.2	Collaborative Initiative in Biomedical Imaging to Study Complex Diseases	330
NORTH CAROLINA, UNIVERSITY OF Chapel Hill, NC	DE-FG02-06CH11460 09/30/2009 Pisano	SC-23	Collaborative Initiative in Biomedical Imaging to Study Complex Diseases	625
NORTH CAROLINA, UNIVERSITY OF Chapel Hill, NC	DE-FG02-97ER14776 10/31/2010 Baer	SC-22.1	Threshold Photoelectron Photoion Coincidence (TPEPICO) studies: The road to +/-0.1 kJ/mol Thermochemistry	155
NORTH CAROLINA, UNIVERSITY OF Chapel Hill, NC	DE-FG02-05ER15630 02/29/2012 Gagne	SC-22.12	Oxidative Addition at Anomeric Centers in the Pursuit of Value-Added Fine Chemical Feedstocks From Cardboard and Potatoes	145
NORTH CAROLINA, UNIVERSITY OF Chapel Hill, NC	DE-FG02-05ER15651 07/31/2010 Copenhaver	SC-22.13	Regulation of Meiotic Recombination	0

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
NORTH CAROLINA, UNIVERSITY OF Chapel Hill, NC	DE-FG02-05ER15669 07/31/2009 Kieber	SC-22.13	Regulation of Nuclear Localization of Signaling Proteins by Cytokinin	0
NORTH CAROLINA, UNIVERSITY OF 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	249
NORTH CAROLINA, UNIVERSITY OF Chapel Hill, NC	DE-FG02-09ER25879 08/14/2012 Forest	SC-21.1	Modeling and Algorithmic Approaches to Constitutively-Complex, Microstructured Fluids	306
NORTH CAROLINA, UNIVERSITY OF Chapel Hill, NC	DE-FC02-06ER25764 12/14/2011 Fowler	SC-21.1	Performance Engineering Research Center (PERC-3)	215
NORTH CAROLINA, UNIVERSITY OF 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
NORTH CAROLINA, UNIVERSITY OF Chapel Hill, NC	DE-FG02-09ER16042 07/31/2014 Meyer	SC-22.11	RECOVERY ACT - Solar Fuels and Next Generation Photovoltaics -- EFRC	17,500
NORTH CAROLINA, UNIVERSITY OF 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	498
NORTH CAROLINA, UNIVERSITY OF Chapel Hill, NC	DE-FG02-97ER41041 03/31/2012 Wilkerson	SC-26.1	Studies of Nuclear Processes	1,018
NORTH CAROLINA, UNIVERSITY OF Chapel Hill, NC	DE-FG02-97ER41019 01/14/2012 Engel	SC-26.1	Nuclear Theory with Applications to Astrophysics and Particle Physics	107
NORTH CAROLINA, UNIVERSITY OF Chapel Hill, NC	DE-FG02-09ER25965 09/14/2012 Welch	SC-21.1	RECOVERY ACT - Advanced Kalman Filter for Real-Time Responsiveness in Complex Systems	320
NORTH CAROLINA, UNIVERSITY OF 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	189
NORTH CAROLINA, UNIVERSITY OF Chapel Hill, NC	DE-FC02-06ER41445 03/14/2011 Fowler	SC-25	SciDAC: National Computational Infrastructure for Lattice Gauge Theory	119
NORTH CAROLINA, UNIVERSITY OF Chapel Hill, NC	DE-FC02-09ER41589 11/30/2011 Engel	SC-26.1	Universal Nuclear Energy Density Functional	83
NORTH CAROLINA, UNIVERSITY OF 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
NORTH CAROLINA, UNIVERSITY OF Charlotte, NC	DE-FG02-06ER46329 08/31/2010 Gbur	SC-22.22	A Study of Plasmonic Enhanced Transmission Effects in Nano-Optics	0

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
NORTH CAROLINA, UNIVERSITY OF Charlotte, NC	DE-FG02-06ER25733 08/14/2010 Lu	SC-21.1	Efficient Feature-Driven Visualization of Large Scale Scientific Data	0
NORTH CAROLINA, UNIVERSITY OF Charlotte, NC	DE-FG02-05ER25678 08/31/2011 Cai	SC-21.1	Numerical Methods of Computational Electromagnetics for Complex Inhomogeneous Systems	212
NORTH CAROLINA, UNIVERSITY OF Charlotte, NC	DE-FG02-03ER25565 06/30/2008 Ahn	SC-21.1	Secure Information Sharing within a Collaboratory Environment	-100
Total for NC :				35,604

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
H DAKOTA RES. FOUND., UNIV. OF Grand Forks, ND	DE-FG02-08ER64713 09/14/2010 Bradley	SC-23.2	Avian Diagnostic and Therapeutic Antibodies to Viral Emerging Pathogens	2,543
NORTH DAKOTA STATE UNIVERSITY Fargo, ND	DE-FG02-08ER15987 08/14/2011 Burghaus	SC-22.12	Characterization of Fundamental Catalytic Properties of WS ₂ /MoS ₂ Nanotubes and Nanoclusters for Desulphurization Catalysis A Surface Chemistry Study	63
NORTH DAKOTA STATE UNIVERSITY Fargo, ND	DE-FG02-96ER14645 07/14/2011 Hershberger	SC-22.11	Kinetics and Product Channel Studies in Combustion Chemistry	90
NORTH DAKOTA STATE UNIVERSITY Fargo, ND	DE-FG02-09ER64919 09/28/2012 Boudjouk	SC-23.2	Advancing Science through Computation at NDSU	5,549
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	1,250
Total for ND :				9,495

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Listing of Awards for State (NE)

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
NEBRASKA, UNIVERSITY OF Lincoln, NE	DE-FG02-00ER15044 04/30/2013 Spreitzer	SC-22.13	Role of the Rubisco Small Subunit	0
NEBRASKA, UNIVERSITY OF Lincoln, NE	DE-FG02-96ER14646 05/31/2011 Starace	SC-22.11	Dynamics of Few-Body Atomic Processes	110
NEBRASKA, UNIVERSITY OF Lincoln, NE	DE-FG02-09ER16016 04/30/2010 Mackenzie	SC-22.13	International Conference for Plant Mitochondrial Biology - To be held May 9-13, 2009	5
NEBRASKA, UNIVERSITY OF Lincoln, NE	DE-FG02-04ER15564 08/31/2010 Mackenzie	SC-22.13	Influence of Translation Initiation on Organellar Protein Targeting in Arabidopsis	160
NEBRASKA, UNIVERSITY OF Lincoln, NE	DE-FG02-05ER15663 02/14/2013 Umstadter	SC-22.11	Laser Produced Coherent X-Ray Sources	75
NEBRASKA, UNIVERSITY OF Lincoln, NE	DE-FG02-03ER63639 09/14/2010 Verma	SC-23.1	Carbon Sequestration in Dryland and Irrigated Agroecosystems: Quantification at Different Scales for Improved	315
NEBRASKA, UNIVERSITY OF Lincoln, NE	DE-FG02-08ER55000 07/31/2011 Shadwick	SC-24.2	Wavebreaking and Particle Trapping in Collisionless Plasmas	189
NEBRASKA, UNIVERSITY OF Lincoln, NE	DE-FG02-09ER46621 08/14/2012 Shield	SC-22.21	Phase Transformations in Confined Nanosystems	420
NEBRASKA, UNIVERSITY OF Lincoln, NE	DE-FG02-09ER46622 08/14/2012 Ramamurthy	SC-22.21	Dynamic Optimized Advanced Scheduling of Bandwidth Demands for Large-Scale Science Applications	419
NEBRASKA, UNIVERSITY OF 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	180
NEBRASKA, UNIVERSITY OF Lincoln, NE	DE-FG02-08ER46490 06/14/2011 Snow	SC-22.21	The Luminosity Measurement for the DZERO Experiment at Fermilab	15
NEBRASKA, UNIVERSITY OF Lincoln, NE	DE-FG02-08ER46498 06/14/2011 Ducharme	SC-22.21	Rational Design of Molecular Ferroelectric Materials and Nanostructures	15
NEBRASKA, UNIVERSITY OF Lincoln, NE	DE-FG02-04ER46152 06/18/2010 Sellmyer	SC-22.22	Studies of Artificially Structrured Composite Magnets	111
NEBRASKA, UNIVERSITY OF Lincoln, NE	DE-FG02-09ER64908 09/14/2012 Dweikat	SC-23.2	Characterization of Nitrogen Use Efficiency in Sweet Sorghum	259
Total for NE :				2,273

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
DARTMOUTH COLLEGE Hanover, NH	DE-FG02-02ER15350 11/30/2010 Lynd	SC-22.13	Fundamental Aspects of Cellulose Utilization	170
DARTMOUTH COLLEGE Hanover, NH	DE-FG02-05ER15704 09/14/2012 Schaller	SC-22.13	Post-transcriptional regulation of ethylene perception and signaling in Arabidopsis	156
DARTMOUTH COLLEGE Hanover, NH	DE-FG02-06ER15809 07/31/2012 Guerinot	SC-22.13	From the Soil to the Seed: Metal Transport in Arabidopsis	340
DARTMOUTH COLLEGE Hanover, NH	DE-FG02-07ER54915 01/31/2011 Rogers	SC-24.2	Gyrokinetic Simulations of Turbulent Transport in Fusion Plasmas	93
DARTMOUTH COLLEGE Hanover, NH	DE-FG02-07ER46392 06/30/2010 Baker	SC-22.22	Structure/Property Relationships in High Strength Nanostructured Spinodal FeNiMnAl Alloys	134
NEW HAMPSHIRE, UNIVERSITY OF Durham, NH	DE-FG02-88ER40410 12/31/2011 Holtrop, Calarco, Hersman	SC-26.1	Electromagnetic Studies of Nucleon and Nuclear Structure	525
NEW HAMPSHIRE, UNIVERSITY OF Durham, NH	DE-FG02-06ER54894 07/31/2010 Chen	SC-24.2	Collaborative Research: Laboratory Investigation of Alfvén Field Line Resonances and Electron Acceleration	0
NEW HAMPSHIRE, UNIVERSITY OF Durham, NH	DE-FG02-07ER54941 07/31/2010 Chen	SC-24.2	Collaborative Research: Dynamics of Electrostatic Solitary Waves and Their Effects on Current Layers	116
NEW HAMPSHIRE, UNIVERSITY OF Durham, NH	DE-FG02-07ER46372 06/30/2010 Bhattacharjee	SC-22.21	Cluster for Integrated Computation and Analysis of Reconnection and Turbulence	696
Total for NH :				2,230

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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 02/14/2011 Strauss	SC-24.2	Center for Extended Magnetohydrodynamic Modeling	75
INSTITUTE FOR ADVANCED STUDY Princeton, NJ	DE-FG02-90ER40542 11/30/2012 Seiberg, Arkani-Hamed, Adler	SC-25	RECOVERY ACT: Problems in Particle Theory	710
MEDICINE & DENT OF NJ, UNIV OF Newark, NJ	DE-FG02-07ER64344 12/31/2010 Azzam	SC-23.2	In Vivo Mammalian Tissue Response to Low Dose Ionizing Radiation: The Role of Oxidative Metabolism and Intercellular Communication	248
NEW JERSEY INSTITUTE OF TECH Newark, NJ	DE-FG02-07ER46402 07/14/2011 Tyson	SC-22.22	Understanding the Spin-Lattice Coupling in Multiferroic Oxides	161
NEW JERSEY INSTITUTE OF TECH Newark, NJ	DE-FG02-09ER64834 08/31/2011 Prodan	SC-23.1	Adopting Biophysical Methods in Pursuit of Biogeophysical Research	50
NUTLEY BOARD OF EDUCATION Nutley, NJ	DE-FG02-08CH11541 09/29/2010 DeVita	SC-23	Energy Efficient Elementary School Program	0
PRINCETON UNIVERSITY Princeton, NJ	DE-FC02-04ER54787 07/31/2010 Kevrekidis	SC-24.2	The Center for Multiscale Plasma Dynamics	0
PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-05ER54828 06/14/2011 Suckewer	SC-24.2	Attaining Ultra-High Laser Pulses by Raman Backscattering Amplification and Compression in Plasma	104
PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-06ER54851 04/14/2010 Fisch	SC-24.2	Alpha Channeling in Mirror Machines	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-FG02-08ER55001 07/31/2011 Fleischer	SC-24.2	Kinetic Instabilities and Turbulence in Photonic Plasma	165
PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-09ER46610 08/31/2012 Bhatt	SC-22.22	TMS: Design Principles for Quantum Hall States	950
PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-07ER46419 07/31/2010 Yazdani	SC-22.21	Probing Correlated Superconductors and their Phase Transitions on the Nanometer Scale	180
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	0

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-04ER46108 12/31/2011 Torquato	SC-22.23	Optimizing Interaction Potentials to Form Targeted Material Structures	127
PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-04ER46165 04/30/2011 Kahn	SC-22.22	Understanding and Design of Polymer Devices Interfaces	342
PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-05ER46200 01/31/2012 Hasan	SC-22.21	Synchrotron X-ray Based Electronic Structure Study of Correlated Quantum Materials	240
PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-05ER46201 04/30/2011 Car	SC-22.22	Density Functional Theory with Dissipation: Transport Through Single Molecules	105
PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-08ER41550 09/30/2009 Smith	SC-25	34th International Conference on High Energy Physics - ICHEP08 (July 29th - August 5th, 2008)	0
PRINCETON UNIVERSITY Princeton, NJ	DE-FC02-08ER41544 03/14/2011 Burrows	SC-25	SciDAC: Computational Astrophysics Consortium: 3. Supernovae, Gamma-Ray Bursts, and Nucleosynthesis	225
PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-07ER41514 08/31/2010 Strauss	SC-25	Systematic Effects in Type-1a Supernovae	0
PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-00ER45841 11/14/2012 Shayegan	SC-22.22	Magneto-Transport in GaAs Two-Dimensional Hole Systems	153
PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-98ER45683 02/14/2013 Tsui	SC-22.22	Transport Experiments on 2D Correlated Electron Physics in Semiconductors	150
PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-98ER45706 04/30/2013 Cava	SC-22.23	New Superconducting Materials	203
PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-02ER15344 10/31/2011 Rabitz	SC-22.11	Control of Molecular Dynamics: Algorithms for Design, Analysis and Implementation	130
PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-05ER15631 09/30/2009 Carter	SC-22.11	Scalable Methods for Electronic Excitations and Optical Responses of Nanostructures: Mathematics to Algorithms	0
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	1,048
PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-09ER16057 08/31/2012 Panagiotopoulos	SC-22.11	Interactions, Phase Equilibria and Self-Assembly in Ionic Systems	120
PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-09ER16058 02/28/2013 Carter	SC-22.11	Optimizing New Materials for Solar Energy Conversion Via Quantum Mechanics	243

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-09ER16031 07/31/2014 Law	SC-22.11	Energy Frontier Research Center for Combustion Science -- EFRC	3,440
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	220
PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-03ER25587 05/14/2010 E	SC-21.1	Integrated Multiscale Modeling of Molecular Computing Devices	0
PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-91ER40671 10/31/2011 Smith	SC-25	RECOVERY ACT: High Energy Physics Research	3,368
PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-07ER64488 09/14/2010 Rabinowitz	SC-23.2	Quantitative Tools for Dissection of Hydrogen-Producing Metabolic Networks	400
PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-07ER64467 08/14/2011 Sarmiento	SC-23.1	Do Coupled Climate Models Correctly Simulate the Upward Branch of the Deep Ocean Global Conveyor	233
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-FG02-09ER64813 08/31/2012 Rabinowitz	SC-23.2	Integration of Carbon, Nitrogen, and Oxygen Metabolism in Escherichia Coli	170
RUTGERS - STATE UNIV OF NJ New Brunswick, NJ	DE-FC02-06ER54857 01/14/2011 Parashar	SC-24.2	SciDAC - Center for Plasma Edge Simulation	150
RUTGERS - STATE UNIV OF NJ New Brunswick, NJ	DE-FG02-06ER46336 08/14/2010 Garofalini	SC-22.23	Atomistic Structure, Strength, and Kinetic Properties of Intergranular Films in Ceramics	117
RUTGERS - STATE UNIV OF NJ New Brunswick, NJ	DE-FG02-07ER46382 05/31/2013 Cheong	SC-22.21	Magnetoelectric Hybrid Modes in Multiferroics: Neutron and Ellipsometry Studies	173
RUTGERS - STATE UNIV OF NJ New Brunswick, NJ	DE-FG02-08ER41561 08/14/2010 Gawiser	SC-25	Lyman Alpha Emitting Galaxies at $2 < z < 3$: Towards a Calibrated Probe of Dark Energy	5
RUTGERS - STATE UNIV OF NJ New Brunswick, NJ	DE-FG02-99ER45761 08/14/2012 Kotliar, Abrahams	SC-22.22	Correlation Effects and Magnetism in Actinide: Elements and Compounds	174
RUTGERS - STATE UNIV OF NJ New Brunswick, NJ	DE-FG02-96ER40987 06/30/2011 Mekjian	SC-26.1	Nuclei Under the Extreme Conditions of Density, Temperature, Isospin Asymmetry & the Phase Diagram of Hadronic Matter	60
RUTGERS - STATE UNIV OF NJ New Brunswick, NJ	DE-FG02-01ER41165 02/28/2010 Neuberger	SC-25	RECOVERY ACT: Research in High Energy Physics - Theory	95

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
RUTGERS - STATE UNIV OF NJ New Brunswick, NJ	DE-FG02-96ER40959 02/28/2010 Thomas	SC-25	RECOVERY ACT: Research in Theoretical High Energy Physics	467
RUTGERS - STATE UNIV OF NJ New Brunswick, NJ	DE-FG02-09ER16118 09/14/2012 Castner	SC-22.13	SISGR: Physical Chemistry of Reaction Dynamics in Ionic Liquids	650
RUTGERS - STATE UNIV OF NJ New Brunswick, NJ	DE-FG02-08ER15957 06/14/2011 Niederman	SC-22.13	Structural and Functional Proteomic Analysis of a Developing Energy Transducing Membrane	165
RUTGERS - STATE UNIV OF NJ New Brunswick, NJ	DE-FG02-08ER64531 05/31/2011 Miller	SC-23.1	Site Science for the Atmospheric Radiation Measurement Mobile Facility	197
RUTGERS - STATE UNIV OF NJ New Brunswick, NJ	DE-FG02-07ER64375 03/14/2011 Kerkhof	SC-23.1	Structure and Function of Subsurface Microbial Communities Affecting Radionuclide Transport and Bio-Immobilization	146
RUTGERS - STATE UNIV OF NJ New Brunswick, NJ	DE-FG02-08ER64544 04/30/2011 Barkay	SC-23.1	Reduction of Mercury in Saturated Subsurface Sediments and its Potential to Mobilize Mercury in its Elemental Form	346
RUTGERS - STATE UNIV OF NJ Newark, NJ	DE-FG02-08ER64561 05/14/2011 Slater	SC-23.1	A Geophysical Characterization & Monitoring Strategy for Determining Hydrologic Processes in the Hyporheic Corridor at the Hanford 300-Area	199
RUTGERS - STATE UNIV OF NJ Newark, NJ	DE-FG02-09ER64854 08/14/2011 Ntarlagiannis	SC-23.1	Quantifying Microbe-Mineral Interactions Leading to Remotely Detectable Induced Polarization Signals: Implications for	12
RUTGERS - STATE UNIV OF NJ Newark, NJ	DE-FG02-09ER64855 08/31/2011 Slater	SC-23.1	Adopting Biophysics Methods in Pursuit of Biogeophysical Research: Advancing the Measurement & Modeling of Electrical Signatures of Microbe-Mineral...	28
RUTGERS - STATE UNIV OF NJ Newark, NJ	DE-FG02-06ER15828 12/31/2010 Piotrowiak	SC-22.13	Femtosecond Fluorescence Microscopy of Nanoparticles in Solar Photoconversion	0
RUTGERS - STATE UNIV OF NJ Piscataway, NJ	DE-FG02-93ER14331 02/14/2011 Bartynski	SC-22.12	Nanoscale Surface Chemistry: Over Faceted Substrates: Structure, Reactivity and Nanotemplates	170
RUTGERS - STATE UNIV OF NJ Piscataway, NJ	DE-FG02-01ER15256 01/14/2011 Galoppini, Piotrowiak	SC-22.1	Model Dyes for Study of Molecule-Semiconductor Interfaces and Electron Transfer Processes	145
RUTGERS - STATE UNIV OF NJ Piscataway, NJ	DE-FG02-95ER20194 01/31/2010 Messing	SC-22.13	Corn Storage Protein: A Molecular Genetic Model	0
RUTGERS - STATE UNIV OF NJ Piscataway, NJ	DE-FG02-99ER45742 11/14/2012 Andrei	SC-22.22	Experimental Studies of Magnetic Correlation and Induced Superconductivity in Graphene Crystals	140
RUTGERS - STATE UNIV OF NJ Piscataway, NJ	DE-FG02-99ER45790 12/31/2011 Coleman	SC-22.22	Spin Driven Phenomena in Strongly Correlated Materials	125

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
RUTGERS - STATE UNIV OF NJ Piscataway, NJ	DE-FG02-08ER41562 08/31/2010 Jha	SC-25	Discovering the Nature of Dark Energy: Towards Better Distances from Type Ia Supernovae	10
SAINTE ELIZABETH, COLLEGE OF Morristown, NJ	DE-FG02-09CH11576 12/31/2010 Dlugos	SC-23	Renovation of Science Teaching and Learning Facilities at the College of Saint Elizabeth	462
TEVENS INSTITUTE OF TECHNOLOGY Hoboken, NJ	DE-FG02-06ER25732 12/31/2009 Xu	SC-21.1	Numerical Stochastic Homogenization Method and Multiscale Stochastic Finite Element Method - A Paradigm for Multiscale	0
TEVENS INSTITUTE OF TECHNOLOGY Hoboken, NJ	DE-FG02-97ER14791 01/31/2011 Tarnovsky	SC-22.11	Electron-Driven Ionization and Dissociative Attachment	0
Total for NJ :				17,868

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
NEW MEXICO STATE UNIVERSITY Las Cruces, NM	DE-FG02-94ER40847 03/31/2012 Kyle	SC-26.1	Experimental Studies of Quark-Gluon Structure of Nucleons and Nuclei	440
NEW MEXICO STATE UNIVERSITY Las Cruces, NM	DE-FG02-96ER40965 03/31/2011 Burkardt, Engelhardt	SC-26.1	Quark Gluon Structure of Hadrons in QCD	135
NEW MEXICO STATE UNIVERSITY Las Cruces, NM	DE-FG02-08ER15996 08/14/2011 Smith	SC-22.12	Mechanisms of N-H Bond Formation Relevant to Nitrogen Fixation	120
NEW MEXICO, UNIVERSITY OF Albuquerque, NM	DE-FG02-08ER15930 01/14/2010 Weissmann	SC-22.12	Investigation into the Relationship Between Heterogeneity and Heavy-Tailed Solute Transport	15
NEW MEXICO, UNIVERSITY OF Albuquerque, NM	DE-FG02-05ER15694 07/31/2011 Guo	SC-22.11	Quantum Dynamics of Elementary Chemical Reactions	92
NEW MEXICO, UNIVERSITY OF Albuquerque, NM	DE-FG02-05ER15712 08/31/2011 Datye	SC-22.12	Nanostructured Catalysts for Hydrogen Generation from Renewable Feedstocks	225
NEW MEXICO, UNIVERSITY OF Albuquerque, NM	DE-FG02-06ER15765 03/31/2012 Kemp	SC-22.12	Direct Partial Oxidations Using Molecular Oxygen	250
NEW MEXICO, UNIVERSITY OF Albuquerque, NM	DE-FG02-03ER15419 07/31/2012 Paine	SC-22.12	Preorganized and Immobilized Ligands for Metal Ion Separations	290
NEW MEXICO, UNIVERSITY OF Albuquerque, NM	DE-FG02-94ER40821 11/30/2011 Bassalleck, Fields	SC-26.1	Strange Particles and Heavy Ion Physics	313
NEW MEXICO, UNIVERSITY OF Albuquerque, NM	DE-FG02-99ER41104 05/14/2011 Ellison	SC-25	Investigations of Beam Dynamics Issues at Current and Future Hadron Accelerators	166
NEW MEXICO, UNIVERSITY OF Albuquerque, NM	DE-FG02-09ER25953 09/14/2012 Zarkesh-Ha	SC-21.1	RECOVERY ACT - End-System Network Interface Controller for 100 Gb/s Wide Area Networks	450
NEW MEXICO, UNIVERSITY OF Albuquerque, NM	DE-FG02-09ER25899 07/31/2012 Ghani	SC-21.1	Virtualized Network Control (VNC) Project	104
NEW MEXICO, UNIVERSITY OF Albuquerque, NM	DE-FG02-05ER25662 01/31/2010 Bridges	SC-21.1	A Framework for Adaptable Operating and Runtime Systems	0
NEW MEXICO, UNIVERSITY OF Albuquerque, NM	DE-FG02-04ER41300 02/28/2013 Matthews, Seidel, Gold	SC-25	RECOVERY ACT- New Mexico Center for Particle Physics (NMCPP) -- Task A: Collider Physics; Task A2 Collider Physics; Task B: Particle Astrophysics	551
NEW MEXICO, UNIVERSITY OF Albuquerque, NM	DE-FG02-09ER41617 07/31/2010 Seidel	SC-25	2009 Linear Collider Workshop of the Americas (September 29 to October 3, 2009)	20

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
NEW MEXICO, UNIVERSITY OF Albuquerque, NM	DE-FG02-06ER54895 01/31/2010 Watts	SC-24.2	Coupling of the Photosphere to the Solar Corona	0
NEW MEXICO, UNIVERSITY OF Albuquerque, NM	DE-FG02-06ER54898 01/31/2010 Gilmore	SC-24.2	Investigation of Intermittent Turbulence and Turbulent Structures in the Presence of Controlled Sheared Flow	0
NEW MEXICO, UNIVERSITY OF Albuquerque, NM	DE-FG02-09ER55062 08/14/2012 Gilmore	SC-24.2	RECOVERY ACT - 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-FG02-09ER46619 08/14/2012 Lynn	SC-22.21	Development of Optimized Field-Reversed Configuration Plasma Formation Techniques for Magnetized Target Fusion	287
NEW MEXICO, UNIVERSITY OF Albuquerque, NM	DE-FG02-08ER46506 06/30/2011 Litvak	SC-22.21	Linking Ecosystem Scale Vegetation Change to Shifts in Carbon and Water Cycling: The Consequences of Widespread Pinon Mortality in the Southwest	15
NEW MEXICO, UNIVERSITY OF Albuquerque, NM	DE-FG02-08ER46530 08/31/2011 Atanassov	SC-22.23	DOE EPSCoR Materials for Energy Conversion	20
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	339
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	105

Total for NM : 3,977

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
ADA SYSTEM OF HIGHER EDUCATION 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 EDUCATION Las Vegas, NV	DE-FG02-06ER46295 07/31/2010 Czerwinski	SC-22.21	Investigations of the Fundamental Surface Reactions Involved in the Sorption and Desorption of Radionuclides	0
NEVADA, UNIVERSITY OF Las Vegas, NV	DE-FG02-03ER63651 09/14/2011 Nowak	SC-23.1	Biotic Processes Regulating the Carbon Balance of Desert Ecosystems	345
NEVADA, UNIVERSITY OF Reno, NV	DE-FG02-08ER54951 12/14/2010 Safronova	SC-24.2	Theoretical Study of Radiation From Tungsten Ions for Magnetic Fusion Diagnostics	150
NEVADA, UNIVERSITY OF Reno, NV	DE-FG02-06ER54900 06/30/2010 Winterberg	SC-24.2	Magnetic Booster Fast Ignition Macron Accelerator	0
NEVADA, UNIVERSITY OF Reno, NV	DE-FG02-05ER54837 06/30/2010 Sentoku	SC-24.2	Isochoric Heating of Hot Dense Matter by Laser-Magnetized Plasma Interaction	0
NEVADA, UNIVERSITY OF Reno, NV	DE-FG02-04ER54752 02/14/2012 Bauer	SC-24.2	Intense Magnetized Plasma-Wall Interaction	281
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	153
NEVADA, UNIVERSITY OF Reno, NV	DE-FG02-05ER15645 01/31/2012 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
NEVADA, UNIVERSITY OF Reno, NV	DE-FG02-04CH11205 12/31/2010 Scruggs, Buckle	SC-23	Expansion of the Earthquake Engineering Simulation Facility at the University of Nevada Reno	0
NEVADA, UNIVERSITY OF Reno, NV	DE-FG02-07ER64440 07/14/2010 Zaliapin	SC-23.1	Collaborative Research: Robust Climate Projections and Stochastic Stability of Dynamical Systems	21
NEVADA, UNIVERSITY OF Reno, NV	DE-FG02-04ER63819 09/30/2009 Misra	SC-23.2	Nuclear Waste Repository Research on Materials Evaluation, Degradation, Alternate Materials, and Modeling	0
NIV & COM COL SYSTEM OF NEVADA Las Vegas, NV	DE-FG02-00ER45831 08/31/2006 Cowan	SC-22.22	Robust Radiography Device Issues and Studies	-23

Total for NV :

1,373

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
BRONX COMMUNITY COLLEGE Bronx, NY	DE-FG02-04CH11210 12/31/2010 Seliger	SC-23	Center for Sustainable Energy at Bronx Community College	462
COLUMBIA UNIVERSITY New York, NY	DE-FG02-04ER46118 04/30/2010 Nuckolls	SC-22.23	Electronics from Nano-Scale Crystals	0
COLUMBIA UNIVERSITY New York, NY	DE-FG02-05ER46215 07/14/2011 Kim	SC-22.22	Investigation of the Quantum Limit Transport Phenomena in Graphene	150
COLUMBIA UNIVERSITY New York, NY	DE-FG02-04ER46157 07/14/2010 Osgood	SC-22.22	Mapping the Electron Response of Nanomaterials	205
COLUMBIA UNIVERSITY New York, NY	DE-FG02-04ER46169 08/31/2010 Millis	SC-22.22	Theory of Surface and Interface Physics of Correlated Electron Materials	135
COLUMBIA UNIVERSITY New York, NY	DE-FG02-86ER53222 11/30/2010 Navratil	SC-24.2	High Beta Tokamak Research	933
COLUMBIA UNIVERSITY New York, NY	DE-FG02-95ER54333 01/31/2013 Boozer	SC-24.2	Stellarator Theory	79
COLUMBIA UNIVERSITY New York, NY	DE-FG02-98ER54464 01/14/2011 Sen	SC-24.2	Basic Physics of Tokamak Transport and Feedback Control	300
COLUMBIA UNIVERSITY New York, NY	DE-FG02-98ER54459 10/31/2010 Mauel	SC-24.2	Levitated Dipole Experiment	427
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	160
COLUMBIA UNIVERSITY New York, NY	DE-FG02-99ER54524 03/14/2011 Sabbagh	SC-24.2	Study of MHD Stability and Active Mode Control in NSTX	410
COLUMBIA UNIVERSITY New York, NY	DE-FG02-03ER54696 02/14/2012 Boozer	SC-24.2	Resistive Wall Modes and Error Field Amplification	50
COLUMBIA UNIVERSITY New York, NY	DE-FG02-02ER63413 07/14/2010 Robertson	SC-23.1	Collaborative Research: Regional Climate-Change Projections Through Next-Generation Empirical and Dynamical Models	78
COLUMBIA UNIVERSITY New York, NY	DE-FG02-04ER54761 08/14/2010 Navratil	SC-24.2	MHD Mode Control Research in DIII-D	375
COLUMBIA UNIVERSITY New York, NY	DE-FC02-08ER54962 02/28/2011 Adams	SC-24.2	Center for Gyrokinetic Particle Simulation of Turbulent Transport in Burning Plasmas	24

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COLUMBIA UNIVERSITY New York, NY	DE-FC02-06ER54862 01/14/2011 Keyes	SC-24.2	Center for Plasma Edge Simulation	110
COLUMBIA UNIVERSITY New York, NY	DE-FC02-06ER54863 01/14/2011 Keyes	SC-24.2	Center for Simulation of Wave Interactions with Magnetohydrodynamics	55
COLUMBIA UNIVERSITY New York, NY	DE-FG02-93ER40764 12/14/2010 Gyulassy	SC-26.1	Theory of Ultra-Dense Matter and the Dynamics of High Energy Interactions Involving Nuclei	309
COLUMBIA UNIVERSITY New York, NY	DE-FG02-92ER40699 11/30/2010 Lee	SC-25	RECOVERY ACT: Theoretical High Energy Physics	1,722
COLUMBIA UNIVERSITY New York, NY	DE-FG02-86ER40281 11/14/2010 Zajc	SC-26.1	Studying Fundamental Matter with High Transverse Momentum Probes	765
COLUMBIA UNIVERSITY New York, NY	DE-FG02-09ER25915 09/14/2012 Waisman	SC-21.1	Modeling the Fracture of Ice Sheets on Parallel Computers	327
COLUMBIA UNIVERSITY New York, NY	DE-FG02-09ER25919 08/31/2012 Gelman	SC-21.1	Petascale Hierarchical Modeling via Parallel Execution	257
COLUMBIA UNIVERSITY New York, NY	DE-FG02-09ER25958 09/14/2012 Bienstock	SC-21.1	RECOVERY ACT - Reconfiguring Power Systems to Minimize Cascading Failures: Models and Algorithms	386
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	450
COLUMBIA UNIVERSITY New York, NY	DE-FG02-09ER16038 07/31/2014 Yardley	SC-22.13	RECOVERY ACT - Re-Defining Photovoltaic Efficiency Through Molecule-Scale Control -- EFRC	16,000
COLUMBIA UNIVERSITY New York, NY	DE-FG02-08ER25856 08/14/2011 Goldfarb	SC-21.1	Algorithms for Mathematical Programming with Emphasis on Bi-Level Models	187
COLUMBIA UNIVERSITY New York, NY	DE-FC02-06ER25783 09/14/2011 Keyes	SC-21.1	Towards Optimal Petascale Simulations (TOPS)	160
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-FG02-91ER14226 01/31/2013 Eisenenthal	SC-22.11	Photochemistry at Interfaces	187
COLUMBIA UNIVERSITY New York, NY	DE-FG02-90ER14104 01/31/2011 Osgood	SC-22.11	Laser Dynamics Studies of Photoreactions on Single-Crystal and Nanostructured Surfaces	193

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COLUMBIA UNIVERSITY New York, NY	DE-FG02-88ER13937 06/30/2012 Flynn	SC-22.1	Atomic Scale Imaging of the Electronic Structure and Chemistry of Graphene and Graphite	160
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-FG02-98ER14861 02/28/2011 Brus	SC-22.13	Metallic Carbon Nanotubes and Silver Nanocrystals	185
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	135
COLUMBIA UNIVERSITY New York, NY	DE-FG02-01ER15264 01/31/2011 Nuckolls, Brus	SC-22.12	Catalytic Growth of Molecular-Scale Wiring	150
COLUMBIA UNIVERSITY New York, NY	DE-FG02-05ER64054 05/14/2010 Geard	SC-23.2	The Adaptive Response, Genetic Haplo-Insufficiency and Genomic Instability	0
COLUMBIA UNIVERSITY New York, NY	DE-FG02-05ER64055 12/31/2010 Balajee	SC-23.2	Cellular Response to Low Dose Radiation: Role of Phosphatidylinositol-3 Kinase Like Kinases	0
COLUMBIA UNIVERSITY New York, NY	DE-FG02-07ER64334 11/30/2010 Kleiman	SC-23.2	Low Dose Radiation Cataract	199
COLUMBIA UNIVERSITY New York, NY	DE-FG02-07ER64336 11/30/2010 Amundson	SC-23.2	Mechanistic and Quantitative Studies of Bystander Responses in 3-D Human Tissues for Low-Dose Radiation Risk Estimation	323
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	458
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	219
CORNELL UNIVERSITY Ithaca, NY	DE-FG02-87ER45298 12/31/2010 DiSalvo	SC-22.23	Development of Methods to Synthesize Nanoparticles of Ordered Intermetallic Compounds (Binary, Ternary, and	259
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-FG02-09ER41628 08/14/2012 Hoffstaetter	SC-25	Fundamental Research in Superconducting RF Cavity Design	398
CORNELL UNIVERSITY Ithaca, NY	DE-FG02-08ER41558 07/14/2011 Wittich	SC-25	Searches for Physics Beyond the Standard Model and Triggering on Proton-Proton Collisions at 14 tev Lhc	82

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CORNELL UNIVERSITY Ithaca, NY	DE-FG02-04ER41354 08/31/2010 Padamsee	SC-25	RECOVERY ACT: Research in Superconducting Radiofrequency Systems	0
CORNELL UNIVERSITY Ithaca, NY	DE-FC02-08ER41538 04/30/2011 Rubin	SC-25	CESR Conversion	0
CORNELL UNIVERSITY Ithaca, NY	DE-FG02-04ER46154 06/14/2010 Siewers	SC-22.3	Holographic Spectroscopy for Rapid Electron Bunch Analysis: Development of an Instrument with THz Resolved Optical	130
CORNELL UNIVERSITY Ithaca, NY	DE-FG02-05ER46198 04/30/2010 Elser	SC-22.22	Algorithms for Diffractive Microscopy	0
CORNELL UNIVERSITY Ithaca, NY	DE-FG02-05ER46250 08/31/2011 Abruna	SC-22.23	Basic Research for the Hydrogen Fuel Initiative	250
CORNELL UNIVERSITY Ithaca, NY	DE-FG02-03ER46072 08/31/2010 Abruna, DiSalvo	SC-22.23	Cornell Fuel Cell Institute: Materials Discovery to Enable Fuel Cell Technologies	0
CORNELL UNIVERSITY Ithaca, NY	DE-FG02-07ER46393 07/14/2010 Sethna	SC-22.22	Continuum Plasticity: From Grain Boundaries and Coarsening to Cellular Structures and Recrystallization	247
CORNELL UNIVERSITY Ithaca, NY	DE-FG02-07ER46440 08/31/2010 van Dover	SC-22.22	Complex Amorphous Transition-Metal Dielectrics	196
CORNELL UNIVERSITY Ithaca, NY	DE-FG02-07ER46432 08/31/2010 Chan	SC-22.22	Cross-Cutting Tools for Theoretical Organic Photovoltaic Research	280
CORNELL UNIVERSITY Ithaca, NY	DE-FG02-07ER46365 04/30/2010 Umrigar	SC-22.22	Predictive Capability for Strongly Correlated Systems: Mott Transition in MnO, Multielectron Magnetic Moments, and Dynamic Effects in Correlated Materials	40
CORNELL UNIVERSITY Ithaca, NY	DE-FG02-09ER46583 07/31/2014 Abruna	SC-22.21	RECOVERY ACT - Nanostructured Interfaces for Energy Generation, Conversion, and Storage -- EFRC	17,327
CORNELL UNIVERSITY Ithaca, NY	DE-FG02-08ER46517 08/31/2011 Liddell	SC-22.23	Self-Assembly of Non-Spherical Colloids: New Reduced Symmetry Crystals and Mesophases for Templating Functional Materials at Fine Scales	174
CORNELL UNIVERSITY Ithaca, NY	DE-FG02-07ER46455 05/14/2010 Archer	SC-22.23	Tethered Lubricants	185
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-FG02-07ER54942 07/31/2011 Kintner	SC-24.2	Collaborative Research: Dynamics of Electrostatic Solitary Waves and Their Effects on Current Layers	21

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CORNELL UNIVERSITY Ithaca, NY	DE-FG02-97ER62443 11/30/2011 Gruner	SC-23.2	Development and Applications of Photosensitive Device Systems to Studies of Biological and Organic Materials	350
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	183
CORNELL UNIVERSITY Ithaca, NY	DE-FG02-09ER55048 08/14/2012 Greenly	SC-24.2	RECOVERY ACT - Experimental and Computational Studies of High Energy Density Plasma Streams Ablated from Fine Wires	200
CORNELL UNIVERSITY Ithaca, NY	DE-FG02-09ER25963 09/14/2012 Thomas	SC-21.1	RECOVERY ACT - Optimization and Control of Electric Power Systems	300
CORNELL UNIVERSITY Ithaca, NY	DE-FG02-93ER25164 02/28/2011 Guckenheimer	SC-21.1	Computational Analysis of Dynamical Systems	110
CORNELL UNIVERSITY Ithaca, NY	DE-FG02-09ER16060 07/31/2010 Caughy	SC-22.11	A Special Symposium to Bring Together Top Researchers in the Fields of Fluid Turbulence and Combustion to Promote	3
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 08/14/2011 Coates	SC-22.12	Development and Application of New Catalysts for Heterocycle Carbonylation	160
CORNELL UNIVERSITY Ithaca, NY	DE-FG02-05ER15659 04/30/2011 Chirik	SC-22.12	Understanding Nitrogen Fixation	150
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-FG02-00ER15095 06/30/2010 Davis	SC-22.1	Bimolecular Dynamics of Combustion Reactions	0
CORNELL UNIVERSITY Ithaca, NY	DE-FG02-01ER15180 10/31/2010 Cool	SC-22.11	Studies of the Chemistry of Oxygenated Fuels with Photoionization Mass Spectrometry	171
DOWLING COLLEGE Oakdale, NY	DE-FG02-03ER63601 08/31/2011 Bernstein	SC-23.2	Local System Support for PDB Biological Unit Search and Display	9
HOFSTRA UNIVERSITY Hempstead, NY	DE-FG02-09ER64922 09/28/2012 Farmer	SC-23.2	Hofstra University Center for Climate Study (HUCCS)	462
YORK UNIV. SCHOOL OF MEDICINE New York, NY	DE-FG02-09ER64724 01/08/2010 Barcellos-Hoff	SC-23.2	Systems Radiation Biology Workshop (January 12-14, 2009)	15

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YORK UNIV. SCHOOL OF MEDICINE New York, NY	DE-FG02-08ER64654 10/31/2011 Barcellos-Hoff	SC-23.2	Integrative Radiation Biology	790
NEW YORK UNIVERSITY New York, NY	DE-FG02-86ER53223 12/31/2012 Weitzner, Chang	SC-24.2	Plasma Properties (Task III)	664
NEW YORK UNIVERSITY New York, NY	DE-FC02-09ER55017 07/31/2011 Chang	SC-24.2	Collaborative: Fusion Simulation Program (FSP)	70
NEW YORK UNIVERSITY New York, NY	DE-FC02-06ER54845 01/14/2011 Chang	SC-24.2	SciDAC - Center for Plasma Edge Simulation	424
NEW YORK UNIVERSITY New York, NY	DE-FG02-06ER41417 08/31/2010 Weiner	SC-25	Beyond the Standard Model: The Weak Scale, Neutrino Mass, and the Dark Sector	60
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	236
NEW YORK UNIVERSITY New York, NY	DE-FG02-06ER25718 12/14/2012 Widlund	SC-21.1	Domain Decomposition and Parallel Computing	0
NEW YORK UNIVERSITY New York, NY	DE-FG02-92ER20071 05/31/2011 Coruzzi	SC-22.13	Asparagine Synthetase Gene Regulatory Network and Plant Nitrogen Metabolism	165
NEW YORK UNIVERSITY New York, NY	DE-FG02-88ER25053 02/28/2011 Berger, Greengard	SC-21.1	Applied Analysis and Computational Mathematics	1,337
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	124
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	85
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	171
NEW YORK, CITY U. OF CITY COLL New York, NY	DE-FG02-03ER15458 04/30/2010 Makse	SC-22.12	Studies of Elasticity, Sound Propagation and Attenuation of Acoustic Modes in Granular Media	100
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	94
NEW YORK, CITY U. OF CITY COLL New York, NY	DE-FG02-06ER46284 02/14/2010 Yu	SC-22.22	Near Surface Plasticity and Its Implications in Surface Treatment	0

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NEW YORK, CITY U. OF CITY COLL New York, NY	DE-FG02-84ER45153 08/31/2011 Sarachik	SC-22.22	Thermal Conductivity and Thermopower Near the 2D Metal-Insulator Transition	150
NEW YORK, CITY U. OF HUNTER C. New York, NY	DE-FG02-01ER45935 01/14/2011 Matsui	SC-22.23	Room-Temperature Synthesis of Semiconductor Nanowires by Templating Collagen Triple Helices and Their Precise	201
NEW YORK, CITY U. OF HUNTER C. New York, NY	DE-FG02-02ER15287 10/31/2011 Alexandratos	SC-22.12	Functionalized Scaffolds as a New Approach to the Design of Ion-Selective Polymer-Supported Reagents	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
NEW YORK, CITY U. OF LEHMAN C. New York, NY	DE-FG02-93ER45487 04/14/2011 Chudnovsky	SC-22.22	Dynamics of the Magnetic Flux in Superconductors	84
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
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	35
NEW YORK, STATE U. OF ALBANY Albany, NY	DE-FG02-07ER41502 08/31/2010 Ernst	SC-25	New Ideas for the ATLAS Experiment	88
NEW YORK, STATE U. OF ALBANY Albany, NY	DE-FG02-92ER61369 01/31/2013 Wang	SC-23.1	Study of Regional Climate Change	435
NEW YORK, STATE U. OF ALBANY Albany, NY	DE-FG02-03ER63531 12/14/2011 Min	SC-23.1	Retrievals of Cloud Optical Properties and Photon Path Length Distributions Using Existing ARM Data Streams	175
NEW YORK, STATE U. OF ALBANY Albany, NY	DE-FG02-09ER64849 08/14/2011 Yu	SC-23.1	Coupling an Advanced Particle Microphysics Model with WRF-Chem and Improving Aerosol-Climate Interaction Simulations at Regional Scales	318
NEW YORK, STATE U. OF ALBANY Albany, NY	DE-FG02-07ER64359 07/31/2010 Fitzjarrald	SC-23.1	Quantifying Advective and Nonstationary Effects on Eddy Fluxes in the AmeriFlux Network	102
NEW YORK, STATE U. OF BINGHTN Binghamton, NY	DE-FC02-07ER25803 11/14/2010 Govindaraju	SC-21.1	Center for Technology for Advanced Scientific Component Software (TASCS)	92
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	126
NEW YORK, STATE U. OF BINGHTN Binghamton, NY	DE-FG02-09ER64918 09/28/2010 Sammakia	SC-23.2	Development and Pilot Manufacture of Pseudo-Electric Double Layer Capacitors	1,387

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NEW YORK, STATE U. OF BUFFALO Amherst, NY	DE-FG02-06ER64209 03/14/2010 Allen-King	SC-23.1	Geochemical & Physical Aquifer Property Heterogenety: A Multiscale Sedimentologic Approach to Reactive Solute Transport	0
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-FG02-90ER14143 10/14/2010 Bright	SC-22.12	Interfacial Solvation Under Aggressive Conditions	135
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	183
NEW YORK, STATE U. OF BUFFALO Buffalo, NY	DE-FG02-03ER46064 11/14/2012 DeMarco	SC-22.22	Magnetic and Superconducting Properties of Materials Studied by the 99Ru, 189Os, 119Sn, 57Fe and 191Ir Mossbauer Effects in	142
NEW YORK, STATE U. OF BUFFALO Buffalo, NY	DE-FG02-04ER46180 09/14/2010 Bird	SC-22.22	Quantum Coherence and its Manipulation in Coupled Quantum Dots	150
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	200
NEW YORK, STATE U. OF BUFFALO Buffalo, NY	DE-FG02-09ER64857 08/31/2011 Hou	SC-23.1	Time-Lapse Tomographic Approaches for Monitoring Remediation Processes	45
NEW YORK, STATE U. OF DELHI Delhi, NY	DE-FG02-06ER64288 03/14/2011 Volk, Smith	SC-23.2	Center of Excellence in Watershed Applications and Technology-enhanced Economic Revitalization - Willow and	0
EW YORK, STATE U. OF NEW PALTZ New Paltz, NY	DE-FG02-06CH11419 11/30/2009 Harrington, McLaurin	SC-23	Environmental Stewardship of the Hudson River Valley and Catskill Watershed - A Joint Project of SUNY New Paltz and SUNY Ulster	0
NEW YORK, STATE U. OF ST BROOK Stony Brook, NY	DE-FG02-96ER14633 11/30/2011 Schoonen	SC-22.12	Reactivity of Iron Bearing Minerals and CO2 Sequestration: A Multi-Disciplinary and Experimental Approach	91
NEW YORK, STATE U. OF ST BROOK Stony Brook, NY	DE-FG02-96ER14681 04/14/2010 Grey	SC-22.1	New Solid-State NMR Approaches for Studying Catalytic and Sorption Sites in Zeolites and Molecular Sieves	0
NEW YORK, STATE U. OF ST BROOK Stony Brook, NY	DE-FG02-99ER14996 12/31/2009 Wong	SC-22.12	Microscale Processes and Macroscopic Behavior in Porous Geomaterials	0
NEW YORK, STATE U. OF ST BROOK Stony Brook, NY	DE-FG02-08ER15984 02/14/2011 Weinacht	SC-22.11	Combining High Level Ab Initio Calculations with Laser Control of Molecular Dynamics	100
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	165

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NEW YORK, STATE U. OF ST BROOK Stony Brook, NY	DE-FG02-09ER16033 07/31/2014 Grey	SC-22.12	Northeastern Chemical Energy Storage Center (NOCESC) -- EFRC	2,700
NEW YORK, STATE U. OF ST BROOK Stony Brook, NY	DE-FG02-09ER16052 02/29/2012 Fernandez-Serra	SC-22.11	Optimizing Interfacial Charge Transfer in Photocatalytic Water Splitting Devices	127
NEW YORK, STATE U. OF ST BROOK Stony Brook, NY	DE-FC02-06ER25770 12/14/2011 Li	SC-21.1	Interoperable Technologies for Advanced Petascale Simulations (ITAPS)	145
NEW YORK, STATE U. OF ST BROOK Stony Brook, NY	DE-FC02-07ER25817 10/01/2010 Zhu	SC-21.1	Statistical Approaches to Aerosol Dynamics for Climate Simulation	129
NEW YORK, STATE U. OF ST BROOK Stony Brook, NY	DE-FG02-87ER40317 11/30/2010 Lattimer	SC-26.1	Research in Nuclear Astrophysics: Supernovae and Neutron Stars	184
NEW YORK, STATE U. OF ST BROOK Stony Brook, NY	DE-FG02-88ER40388 11/30/2011 Shuryak	SC-26.1	Research in Theoretical Nuclear Physics	750
NEW YORK, STATE U. OF ST BROOK Stony Brook, NY	DE-FG02-87ER40331 03/31/2011 Lacey	SC-26.1	Nuclear Reaction Studies	360
NEW YORK, STATE U. OF ST BROOK Stony Brook, NY	DE-FG02-92ER40697 11/14/2012 Jung, Rijssenbeek, Hobbs	SC-25	RECOVERY ACT: Nucleon Decay and Neutrino Experiments and Experiments at High Energy Hadron Colliders	1,317
NEW YORK, STATE U. OF ST BROOK Stony Brook, NY	DE-FG02-96ER40988 03/31/2011 Jacak, Drees, Hemmick	SC-26.1	Studies of Relativistic Heavy Ion Collisions at RHIC	940
NEW YORK, STATE U. OF ST BROOK Stony Brook, NY	DE-FG02-98ER62570 02/28/2011 Zhang	SC-23.1	Development of Integrated ARM Datasets and Their Application to Improve Climate Models	177
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	170
NEW YORK, STATE U. OF ST BROOK Stony Brook, NY	DE-FG02-07ER41488 11/30/2010 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-FG02-08ER41540 11/30/2010 Teaney	SC-26.1	Establishing the Transport Properties of QCD with Heavy Ion Reactions	97
NEW YORK, STATE U. OF ST BROOK Stony Brook, NY	DE-FG02-08ER41547 07/14/2010 Ben-Zvi	SC-25	Study of Electron Transport and Amplification in Diamond	163
NEW YORK, STATE U. OF ST BROOK Stony Brook, NY	DE-FG02-06ER41448 05/14/2011 Zingale	SC-26.1	Multidimensional Modeling of Astrophysical Thermonuclear Explosions	93

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NEW YORK, STATE U. OF ST BROOK Stony Brook, NY	DE-FG02-05ER41372 12/31/2010 Deshpande	SC-26.1	Studies of Polarized Proton Collisions at RHIC	270
NEW YORK, STATE U. OF ST BROOK Stony Brook, NY	DE-FG02-06ER41416 11/30/2009 Jung	SC-25	Development of the Beamline and ND280 Detector Subsystems for T2K Experiment	1,000
NEW YORK, STATE U. OF ST BROOK Stony Brook, NY	DE-FG02-86ER45237 06/30/2010 Chu	SC-22.23	Polymer-Assisted Formation of Nanostructured Transition Metal Clusters and Crystals	0
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	398
NEW YORK, STATE U. OF ST BROOK Stony Brook, NY	DE-FG02-06ER46323 08/14/2010 Strey	SC-22.23	Electrostatically Self-Assembled Amphiplexes	0
NEW YORK, STATE U. OF ST BROOK Stony Brook, NY	DE-FG02-04ER46128 04/14/2010 Jacobsen	SC-22.21	High Resolution Lenseless 3D Imaging of Nanostructures with Coherent X-Rays	351
NEW YORK, STATE U. OF ST BROOK Stony Brook, NY	DE-FG02-03ER46085 03/31/2009 Parise	SC-22.21	The Spallation Neutron Source's High Pressure Beamline (SNSHPB)	0
NEW YORK, STATE U. OF ST BROOK Stony Brook, NY	DE-FG02-07ER64444 07/31/2011 Zhang	SC-23.1	Improved Atmosphere-Ocean Coupled Modeling in the Tropics for Climate Prediction	182
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	357
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 SYRACUSE Syracuse, NY	DE-FG02-09ER16101 09/14/2012 Dibble	SC-22.11	SISGR: Dynamics of Radical Reactions in Biodiesel Combustion	120
RENSSELAER POLYTECHNIC INST. Troy, NY	DE-FG02-94ER14432 10/31/2010 Watson	SC-22.12	Grain-Boundary Transport of Incompatible Elements in Rocks	199
RENSSELAER POLYTECHNIC INST. Troy, NY	DE-FG02-90ER14114 11/14/2008 Belfort	SC-22.1	Chemical Interactions Between Protein Molecules and Polymer Materials	0
RENSSELAER POLYTECHNIC INST. Troy, NY	DE-FG02-07ER15903 08/31/2010 Lakshmi	SC-22.13	Elucidating the Principles that Control Proton-Coupled Electron Transfer Reactions in the Photosynthetic Protein, Photosystem II. A Model for Design of ...	135
RENSSELAER POLYTECHNIC INST. Troy, NY	DE-FG02-09ER16005 01/31/2012 Belfort	SC-22.12	Combinatorial and High Throughput Membrane Synthesis and Testing: Tailoring Membrane Surfaces to Applications	231

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
RENSSELAER POLYTECHNIC INST. Troy, NY	DE-FG02-07ER25798 10/31/2009 Oberai	SC-21.1	New Directions in the Variational Multiscale Formulation of Large Eddy Simulation of Turbulence	0
RENSSELAER POLYTECHNIC INST. Troy, NY	DE-FG02-04ER25616 02/28/2009 Lim	SC-21.1	Dynamics and Statistical Mechanics of Rotating and Non-rotating Vortical Flows	0
RENSSELAER POLYTECHNIC INST. Troy, NY	DE-FG02-05ER25666 12/31/2009 Herron	SC-21.1	Magnetorotational Instability Dissipative MHD Flows	0
RENSSELAER POLYTECHNIC INST. Troy, NY	DE-FC02-06ER25769 12/14/2011 Shephard	SC-21.1	Interoperable Technologies for Advanced Petascale Simulations	500
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-FG02-09ER46593 05/31/2013 Kane	SC-22.23	Engineering the Interface Between Inorganic Materials and Cells	135
RENSSELAER POLYTECHNIC INST. Troy, NY	DE-FG02-85ER52118 11/30/2009 Steiner	SC-24.2	Advanced Design Studies	11
RENSSELAER POLYTECHNIC INST. Troy, NY	DE-FG02-85ER53211 11/30/2010 Demers, Schoch	SC-24.2	HIBP Diagnostic Development to Advance Understanding of Plasma Transport Physics	170
RENSSELAER POLYTECHNIC INST. Troy, NY	DE-FG02-08ER41575 08/31/2011 Napolitano	SC-25	Searching for Theta ₁₃ at Daya Bay	271
RENSSELAER POLYTECHNIC INST. Troy, NY	DE-FG02-04ER46167 02/28/2009 Huang	SC-22.23	Control of New Kinetic Barriers and Design of Nanorods	0
RENSSELAER POLYTECHNIC INST. Troy, NY	DE-FG02-05ER46258 12/31/2010 Benicewicz	SC-22.23	Sol-Gel Based Polybenzimidazole Membranes for Hydrogen Pumping Devices	0
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-FG02-06ER46349 12/31/2008 Akpalu	SC-22.23	Advancing Renewable Materials by Integrated Light and X-ray Scattering	-102
ROCHESTER, UNIVERSITY OF Rochester, NY	DE-FG02-09ER16089 09/14/2012 Holland	SC-22.12	SISGR: Group Transfer Reactions by Inexpensive Transition Metals	380
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

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ROCHESTER, UNIVERSITY OF Rochester, NY	DE-FG02-94ER20155 05/31/2010 Wu	SC-22.13	Transcription Regulation of CeIS and a Novel Cellulase Operon Encoding Five Clostridium thermoCELLUM Cellulosomal	145
ROCHESTER, UNIVERSITY OF Rochester, NY	DE-FG02-88ER40414 12/31/2010 Schroeder	SC-26.1	Studies of Heavy Ion Reactions and Transuranic Nuclei	335
ROCHESTER, UNIVERSITY OF Rochester, NY	DE-FG02-91ER40685 10/31/2011 McFarland	SC-25	RECOVERY ACT: Theoretical and Experimental Studies of Elementary Physics	2,364
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	60
ROCHESTER, UNIVERSITY OF Rochester, NY	DE-FG02-01ER15204 10/31/2010 Novotny	SC-22.11	Antenna-Coupled Emission from Single Quantum Systems	135
ROCHESTER, UNIVERSITY OF Rochester, NY	DE-FG02-90ER14125 02/28/2010 Eisenberg	SC-22.13	Design, Synthesis and Study Multi-Component and Integrated Systems for Light -Driven Hydrogen Generation	80
ROCHESTER, UNIVERSITY OF Rochester, NY	DE-FG02-86ER13569 01/31/2011 Jones	SC-22.12	Transition Metal Activation and Functionalization of Carbon-Hydrogen Carbon-Carbon Bonds	145
ROCHESTER, UNIVERSITY OF Rochester, NY	DE-FG02-05ER46207 05/14/2011 Novotny	SC-22.22	Near-Field Raman Scattering of Carbon Nanotubes	140
ROCHESTER, UNIVERSITY OF Rochester, NY	DE-FG02-06ER46298 04/30/2011 Teitel	SC-22.22	Critical Phenomena in Driven Granular Matter: Jamming and Glassy Behavior	115
ROCHESTER, UNIVERSITY OF Rochester, NY	DE-FG02-09ER55033 08/14/2014 Frank	SC-24.2	The Dynamics of Magnetized Astrophysical Jets Through Pulsed Power HEDP Laboratory Studies	579
ROCHESTER, UNIVERSITY OF Rochester, NY	DE-FG02-05ER54839 07/31/2010 Theobald	SC-24.2	Advanced Concept Exploration of Fast Ignition	450
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	1,578
ROCHESTER, UNIVERSITY OF Rochester, NY	DE-FG02-04ER54768 05/31/2010 Betti	SC-24.2	Laser Driven Magneto-Inertial Fusion	193
ROCHESTER, UNIVERSITY OF Rochester, NY	DE-FG02-06ER54879 07/14/2010 Ren	SC-24.2	Current-Driven Filament Instabilities in Relativistic Plasmas	0
ROCHESTER, UNIVERSITY OF Rochester, NY	DE-FG02-93ER54215 11/30/2010 Betti	SC-24.2	Magnetohydrodynamics of Tokamak Plasma with Arbitrary Flow: Equilibrium, Stability and Nonlinear Evolution	98

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ROCHESTER, UNIVERSITY OF Rochester, NY	DE-FG02-08ER64692 09/14/2011 Wu	SC-23.2	Pathways and Regulatory Network of Hydrogen Production from Cellulose by Clostridium ThermoCELLUM	355
ROCHESTER, UNIVERSITY OF Rochester, NY	DE-FG02-07ER64338 06/30/2010 O'Banion	SC-23.2	Low Dose Ionizing Radiation and HZE Particle Effects on Adult Hippocampal Neurogenesis: A Sensitive Indicator of CNS	263
ROCKEFELLER UNIVERSITY New York, NY	DE-FG02-91ER40651 01/31/2013 Goulianos	SC-25	Experimental Studies of Elementary Particle Interactions at High Energies	592
SYRACUSE UNIVERSITY Syracuse, NY	DE-FG02-84ER40146 03/31/2011 Souder	SC-26.1	Spin Dependent Phenomena in Medium Energy Physics	299
SYRACUSE UNIVERSITY Syracuse, NY	DE-FG02-85ER40231 12/31/2012 Balachandran	SC-25	Research Program in Elementary Particle Theory	265
UNION COLLEGE Schenectady, NY	DE-FG02-05ER41398 08/31/2010 Surman	SC-26.1	Neutrinos and Nucleosynthesis in Gamma Ray Bursts	33
Total for NY :				81,115

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
AKRON, UNIVERSITY OF Akron, OH	DE-FG02-90ER14151 04/30/2011 Perry	SC-22.11	The Dynamics of Large-Amplitude Motion in Energized Molecules	122
BOWLING GREEN STATE UNIVERSITY Bowling Green, OH	DE-FG02-06ER15827 03/31/2013 Lu	SC-22.11	Single-Molecule Interfacial Electron Transfer	0
CASE WESTERN RESERVE UNIV. Cleveland, OH	DE-FG02-05ER46244 08/31/2011 Taylor	SC-22.23	Theory, Modeling, and Simulation of Ion Transport in Ionomer Membranes	100
CASE WESTERN RESERVE UNIV. Cleveland, OH	DE-FG02-95ER40898 12/31/2012 Vachaspati	SC-25	Theoretical Physics Research at the High Energy Frontier, Including Astrophysics and Cosmology	269
CINCINNATI, UNIVERSITY OF Cincinnati, OH	DE-FG02-04ER46129 04/14/2009 Jarrell	SC-22.22	Predictive Capability for Strongly Correlated Systems	-27
CINCINNATI, UNIVERSITY OF Cincinnati, OH	DE-FG02-09ER46570 06/30/2010 Akpalu	SC-22.21	Advancing Renewable Materials by Integrated Light and X-Ray Scattering	102
CINCINNATI, UNIVERSITY OF Cincinnati, OH	DE-FG02-84ER40153 12/31/2010 Wijewardhana	SC-25	Research in Particle Physics Task A and B	567
CINCINNATI, UNIVERSITY OF Cincinnati, OH	DE-FG02-04ER15604 08/14/2010 Guliants	SC-22.12	Fundamental Studies of Propane Ammoxidation over Model Bulk and Supported V-Mo-Te-O Catalysts	174
KENT STATE UNIVERSITY Kent, OH	DE-FG02-06ER46331 08/14/2010 Lavrentovich	SC-22.22	Electric Field Effects in Liquid Crystals with Dielectric Dispersion	177
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	175
KENT STATE UNIVERSITY Kent, OH	DE-FG02-01ER41194 06/14/2010 Manley	SC-26.1	Baryon Spectroscopy Through Partial-Wave Analysis and Meson Photoproduction	110
KENT STATE UNIVERSITY Kent, OH	DE-FG02-86ER40251 12/31/2009 Anderson	SC-26.1	Theoretical Interpretation of High-Energy Nuclear Collisions	30
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	398
MIAMI UNIVERSITY Oxford, OH	DE-FG02-07ER64369 03/14/2011 Dong	SC-23.1	Technetium and Iron Biogeochemistry in Suboxic Subsurface Environments with Emphasis on the Hanford Site	120
MIAMI UNIVERSITY Oxford, OH	DE-FG02-07ER46389 05/31/2010 Kerr	SC-22.22	Defect Chemistry Study of Nitrogen Doped ZnO Thin Films	135

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MIAMI UNIVERSITY Oxford, OH	DE-FG02-86ER45281 12/31/2010 Pechan	SC-22.22	Nanoscale Magnetodynamics and Beyond	81
OHIO CHRISTIAN UNIVERSITY Circleville, OH	DE-FG02-09CH11577 12/31/2010 Kelly	SC-23	Provide Ohio Christian University Science Laboratory, Classrooms, and Faculty Offices Project	924
ATE UNIVERSITY RESEARCH FOUND. Columbus, OH	DE-FG02-07ER64489 09/14/2010 Tabita	SC-23.2	Bioengineering and Coordination of Regulatory Networks and Intracellular Complexes to Maximize Hydrogen Production	100
ATE UNIVERSITY RESEARCH FOUND. Columbus, OH	DE-FG02-04ER15495 11/14/2012 Allen	SC-22.12	Geochemistry of Interfaces: From Surfaces to Interlayers to Clusters	82
ATE UNIVERSITY RESEARCH FOUND. Columbus, OH	DE-FG02-04ER15614 10/31/2010 DiMauro	SC-22.11	Attosecond and Ultra-Fast X-Ray Science	280
ATE UNIVERSITY RESEARCH FOUND. Columbus, OH	DE-FG02-06ER15776 10/14/2010 Dutta, Kohler	SC-22.13	Photodynamics of Isolated Conjugated Polymers and Quantum Dots in Zeolites	90
ATE UNIVERSITY RESEARCH FOUND. Columbus, OH	DE-FG02-05ER15715 07/31/2010 Braaten	SC-22.11	Exploiting Universality in Atoms with Large Scattering Lengths	0
ATE UNIVERSITY RESEARCH FOUND. Columbus, OH	DE-FG02-07ER15844 06/30/2010 Chisholm	SC-22.12	Mechanistic and Synthetic Studies Aimed at the Development of Single-Site Metal Alkoxide Catalysts for the Generation of Polyesters and Polycarbonates	150
ATE UNIVERSITY RESEARCH FOUND. Columbus, OH	DE-FG02-06ER15833 12/31/2012 DiMauro	SC-22.11	Imaging of Electronic Wave Functions During Chemical Reactions	0
ATE UNIVERSITY RESEARCH FOUND. Columbus, OH	DE-FG02-07ER15881 07/31/2010 Grotewold	SC-22.13	Engineering Phenolic Metabolism in the Grasses Using Transcription Factors	159
ATE UNIVERSITY RESEARCH FOUND. Columbus, OH	DE-FG02-07ER15896 08/14/2010 Ozkan	SC-22.12	Investigation of the Nature of Active Sites on Heteroatom-Containing Carbon Nano-Structures for Oxygen Reduction	160
ATE UNIVERSITY RESEARCH FOUND. Columbus, OH	DE-FG02-01ER15172 10/31/2010 Miller	SC-22.11	Detection and Characterization of Free Radicals Relevant to Combustion Processes	140
ATE UNIVERSITY RESEARCH FOUND. Columbus, OH	DE-FG02-01ER15135 10/14/2010 McCoy, Bursten	SC-22.12	The Electronic Structure of Heavy Element Complexes	0
ATE UNIVERSITY RESEARCH FOUND. Columbus, OH	DE-FG02-09ER25906 08/31/2012 Keyfitz	SC-21.1	Analysis of Self-Similar Solutions of Multidimensional Conservation Laws	87
ATE UNIVERSITY RESEARCH FOUND. Columbus, OH	DE-FG02-09ER25901 07/31/2011 Calyam	SC-21.1	Sampling Approaches for Multi-Domain Internet Performance Measurement Infrastructures to Better Serve Network	140

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ATE UNIVERSITY RESEARCH FOUND. Columbus, OH	DE-FG02-91ER40690 11/30/2010 Kass	SC-25	RECOVERY ACT: Research in Elementary Particle Physics	2,113
ATE UNIVERSITY RESEARCH FOUND. Columbus, OH	DE-FG02-01ER41190 08/14/2010 Heinz	SC-26.1	Theory of Ultra-Relativistic Heavy-Ion Collisions	250
ATE UNIVERSITY RESEARCH FOUND. Columbus, OH	DE-FG02-95ER40900 12/31/2009 Collings	SC-25	Material, Strands, and Cables for Superconducting Accelerator Magnets	236
ATE UNIVERSITY RESEARCH FOUND. Columbus, OH	DE-FC02-06ER25779 12/14/2011 Shen	SC-21.1	SCIDAC Institute for Ultrascale Visualization	150
ATE UNIVERSITY RESEARCH FOUND. Columbus, OH	DE-FC02-06ER25775 12/14/2011 Catalyurek	SC-21.1	SciDAC Institute: Combinatorial Scientific Computing and Petascale Simulations (CSCAPES)	143
ATE UNIVERSITY RESEARCH FOUND. Columbus, OH	DE-FC02-06ER25755 09/14/2011 Panda	SC-21.1	Center for Programming Models for Scalable Parallel Computing	300
ATE UNIVERSITY RESEARCH FOUND. Columbus, OH	DE-FC02-06ER25749 09/14/2011 Panda	SC-21.1	Coordinated Fault Tolerance for High Performance Computing	200
ATE UNIVERSITY RESEARCH FOUND. Columbus, OH	DE-FG02-08ER25850 07/31/2011 Sadayappan	SC-21.1	Scalable Fault Tolerance Runtime Technology for Petascale Computers	125
ATE UNIVERSITY RESEARCH FOUND. Columbus, OH	DE-FG02-09ER46567 06/30/2012 Mills	SC-22.22	Mechanisms and Modeling of High Output Shape Memory Alloys	204
ATE UNIVERSITY RESEARCH FOUND. Columbus, OH	DE-FG02-09ER46595 05/14/2012 Yang	SC-22.22	Optical Study of Spin Dynamics in Semiconductor Nanowires	200
ATE UNIVERSITY RESEARCH FOUND. Columbus, OH	DE-FG02-08ER46533 04/30/2011 Lemberger	SC-22.22	Experimental Study of Severely Underdoped Ultrathin Cuprate Films	85
ATE UNIVERSITY RESEARCH FOUND. Columbus, OH	DE-FC02-09ER41586 11/30/2011 Furnstahl	SC-26.1	Building a Universal Nuclear Energy Density Functional	100
ATE UNIVERSITY RESEARCH FOUND. Columbus, OH	DE-FG02-09ER41609 07/14/2011 Kagan	SC-25	Development of Single Crystal Chemical Vapor Deposition Diamonds for Detector Applications	90
ATE UNIVERSITY RESEARCH FOUND. Columbus, OH	DE-FG02-86ER45271 12/31/2009 Epstein	SC-22.23	Synthesis and Properties of Molecule/Polymer-Based Magnetic Materials	0
ATE UNIVERSITY RESEARCH FOUND. Columbus, OH	DE-FG02-01ER45931 12/14/2010 Epstein	SC-22.23	Spin Coherence at the Nanoscale: Polymer Surfaces and Interfaces	250

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ATE UNIVERSITY RESEARCH FOUND. Columbus, OH	DE-FG02-99ER45795 12/31/2010 Wilkins	SC-22.22	Modeling Dynamically and Spatially Complex Materials	100
ATE UNIVERSITY RESEARCH FOUND. Columbus, OH	DE-FG02-05ER41377 06/14/2010 Kovchegov	SC-26.1	High Energy QCD	120
ATE UNIVERSITY RESEARCH FOUND. Columbus, OH	DE-FG02-03ER46054 07/14/2010 Hammel	SC-22.21	Microscopic Subsurface Characterization of Layered Magnetic Materials Using Magnetic Resonance Force Microscopy	170
ATE UNIVERSITY RESEARCH FOUND. Columbus, OH	DE-FG02-07ER46427 08/31/2010 Wu	SC-22.22	Designing Nanoparticle/Nanowire Composites and "Nanotree" Arrays as Electrodes for Efficient Dye-Sensitized Solar Cells	250
ATE UNIVERSITY RESEARCH FOUND. Columbus, OH	DE-FG02-07ER46423 12/31/2010 Trivedi	SC-22.22	Large Scale Quantum Simulations of Disordered Transition Metal Oxides: Self-Organized Inhomogeneous Nanoscale	120
ATE UNIVERSITY RESEARCH FOUND. Columbus, OH	DE-FG02-07ER46424 04/30/2011 Meyer	SC-22.22	Interaction Effects in Quasi-One-Dimensional Electron Systems	110
ATE UNIVERSITY RESEARCH FOUND. Columbus, OH	DE-FG02-06ER46330 06/30/2010 Mazumder	SC-22.22	First-Principles Modeling Study of Phonon Heat Conduction in Nanoscale Crystalline Structures	0
OHIO UNIVERSITY Athens, OH	DE-FG02-06ER46300 11/30/2010 Castillo	SC-22.22	Fluctuations in the Dynamics of Glasses	0
OHIO UNIVERSITY Athens, OH	DE-FG02-06ER46317 07/31/2010 Smith	SC-22.22	Spin-Polarized Scanning Tunneling Microscopy Studies of Nanoscale Magnetic and Spintronic Nitride Systems	0
OHIO UNIVERSITY Athens, OH	DE-FG02-02ER46012 09/14/2011 Hla	SC-22.22	Single Atom and Molecule Manipulation and Its Application to Nanoscience and Nanotechnology	125
OHIO UNIVERSITY Athens, OH	DE-FG02-93ER40756 10/31/2010 Elster	SC-26.1	Nuclear Dynamics and Astrophysics in Few- and Many-Body Systems	358
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	330
WRIGHT STATE UNIVERSITY Dayton, OH	DE-FG02-03ER15379 10/31/2011 Higgins	SC-22.12	Kinetic Complexity of Mineral-Water Interface Reactions Relevant to CO2 Sequestration: Atomic-Scale Reactions to	105

Total for OH :

11,079

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
LANGSTON UNIVERSITY Langston, OK	DE-FG02-99ER41109 05/14/2012 Snow	SC-25	Langston University - High Energy Physics (LU-HEP)	70
OKLAHOMA STATE UNIVERSITY Stillwater, OK	DE-FG02-09ER25957 09/14/2012 Balasundaram	SC-21.1	RECOVERY ACT - Robust Optimization for Connectivity and Flows in Dynamic Complex Networks	589
OKLAHOMA STATE UNIVERSITY Stillwater, OK	DE-FG02-96ER20215 03/31/2011 Mort	SC-22.13	The Structure of Pectins	111
OKLAHOMA STATE UNIVERSITY Stillwater, OK	DE-FG02-08ER15968 07/14/2011 Burnap	SC-22.13	Unraveling Genetic Regulatory Circuits Integrating the Light and Dark Reactions of Oxygenic Photosynthesis	33
OKLAHOMA STATE UNIVERSITY Stillwater, OK	DE-FG02-04ER46124 02/28/2013 Xie	SC-22.22	Change, Spin and Heat Transport in Low-Dimensional Systems	80
OKLAHOMA STATE UNIVERSITY Stillwater, OK	DE-FG02-04ER46140 08/14/2010 Nandi, Wicksted	SC-22.21	Oklahoma Center for High Energy Physics Research	534
OKLAHOMA STATE UNIVERSITY Stillwater, OK	DE-FG02-07ER46362 01/31/2011 Mintmire	SC-22.21	Optoelectronic properties of Carbon Nanostructures	150
OKLAHOMA STATE UNIVERSITY Stillwater, OK	DE-FG02-04ER41306 04/30/2013 Nandi	SC-25	Theoretical Research in Weak, Electromagnetic, and Strong Interactions	321
OKLAHOMA STATE UNIVERSITY Stillwater, OK	DE-FG02-07ER64413 05/14/2010 Atekwana	SC-23.1	Solid State Electron Transfer via Bacterial Nanowires: Contributions Toward a Mechanistic Understanding of Geophysical Response of Biostimulated Subsurface....	58
OKLAHOMA STATE UNIVERSITY Stillwater, OK	DE-FG02-08ER64636 08/14/2011 Doust	SC-23.2	Development of Genomic and Genetic Tools for Foxtail Millet, and Use of These Tools in the Improvement of Biomass Production	95
OKLAHOMA, UNIVERSITY OF Norman, OK	DE-FG02-09ER64751 05/14/2010 Suflita	SC-23.2	Joint United States-European Union Theoretical and Practical Course on Molecular Approaches for in Situ Biodegradation	37
OKLAHOMA, UNIVERSITY OF Norman, OK	DE-FG02-07ER64383 03/31/2011 Zhou	SC-23.2	Integrated Genome-Based Studies of Shewanella Ecophysiology	300
OKLAHOMA, UNIVERSITY OF Norman, OK	DE-FG02-05ER64062 05/31/2011 Lamb	SC-23.1	Scientific Guidance, Research, and Educational Outreach for the ARM Climate Research Facility (ACRF) in the Southern Great Plains	384
OKLAHOMA, UNIVERSITY OF Norman, OK	DE-FG02-06ER64205 02/28/2010 Zhou	SC-23.2	Deduction and Analysis of the Interacting Stress Response Pathways of metal/Radionuclide-Reducing Bacteria	0
OKLAHOMA, UNIVERSITY OF Norman, OK	DE-FG02-06ER64239 08/31/2011 Resasco	SC-23.2	Application of Single-Walled Carbon Nanotubes, The University of Oklahoma	924

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OKLAHOMA, UNIVERSITY OF Norman, OK	DE-FG02-06ER64319 08/31/2010 Luo	SC-23.1	Data-Model Assimilation at the FACE and AmeriFlux Sites Toward Predictive Understanding of Carbon Sequestration at	225
OKLAHOMA, UNIVERSITY OF Norman, OK	DE-FG02-04ER41305 04/30/2013 Skubic, Milton	SC-25	Recovery Act: Experimental Physics Investigations Using Colliding Beam Detectors at Fermilab, Cornell & LHC; Nonperturbative Quantum Field Theory	994
OKLAHOMA, UNIVERSITY OF Norman, OK	DE-FG02-07ER41517 08/31/2012 Baron	SC-25	Spectroscopic Studies of SNe Ia: Finding the Right Model	65
OKLAHOMA, UNIVERSITY OF Norman, OK	DE-FG02-07ER46361 01/31/2011 Shafer-Ray	SC-22.21	Ro-vibrational Relaxation Dynamics of PbF Molecules	140
OKLAHOMA, UNIVERSITY OF Norman, OK	DE-FG02-09ER46618 08/14/2012 Striolo	SC-22.21	Electrolytes at Solid-Water Interfaces: Theoretical Studies for Practical Applications	420
OKLAHOMA, UNIVERSITY OF Norman, OK	DE-FG02-06ER15769 07/31/2011 Krumholz	SC-22.13	Genes Needed for H2 Production by Sulfate Reducing Bacteria	300
OKLAHOMA, UNIVERSITY OF Norman, OK	DE-FG02-96ER20214 03/14/2011 McInerney	SC-22.13	Bioenergetic Aspects of Syntrophic Fatty and Aromatic Acid Metabolism	176
TULSA, UNIVERSITY OF Tulsa, OK	DE-FG02-09ER64886 07/31/2011 Blais	SC-23.2	The National Energy Policy Institute (NEPI) at The University of Tulsa	693
TULSA, UNIVERSITY OF Tulsa, OK	DE-FG02-08ER54950 01/31/2011 Brennan	SC-24.2	Flow Shear Effects in the Onset Physics of Resistive MHD Instabilities in Tokamaks	65
TULSA, UNIVERSITY OF Tulsa, OK	DE-FG02-07ER54931 07/14/2011 Brennan	SC-24.2	Hot Particle and Turbulent Transport Effects on Resistive Instabilities	171
Total for OK :				6,935

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ON HEALTH & SCIENCE UNIVERSITY Beaverton, OR	DE-FG02-06ER64222 03/31/2010 Tratnyek	SC-23.1	The Reaction Specificity of Nanoparticles in Solution: Application to the Reaction of Nanoparticulate Iron and Iron-Bimetal	90
ON HEALTH & SCIENCE UNIVERSITY Portland, OR	DE-FG02-06ER64228 06/30/2009 Tebo	SC-23.1	Coupled Biogeochemical Processes Governing the Stability of Bacteriogenic Uraninite and Release of U(VI) in Heterogeneous Media: Molecular to Meter Scales	0
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	205
ON HEALTH & SCIENCE UNIVERSITY Portland, OR	DE-FG02-09ER64852 08/14/2011 Kendall	SC-23.1	Quantifying Microbe-Mineral Interactions Leading to Remotely Detectable Induced Polarization Signals: Implications for Monitoring Bioremediation	33
OREGON STATE UNIVERSITY Corvallis, OR	DE-FG02-09ER64860 08/31/2012 Haggerty	SC-23.1	Geoelectrical Measurement of Multi-Scale Mass Transfer Parameters	62
OREGON STATE UNIVERSITY Corvallis, OR	DE-FG02-09ER64734 03/31/2011 Wildenschild	SC-23.1	Three-Dimensional Imaging and Quantification of Biomass and Biofilms in Porous Media	75
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	197
OREGON STATE UNIVERSITY Corvallis, OR	DE-FG02-08ER64665 09/14/2011 Strauss	SC-23.2	Epigenomics of Development in Populus	400
OREGON STATE UNIVERSITY Corvallis, OR	DE-FG02-08ER64630 08/14/2011 Mockler	SC-23.2	A Universal Genome Array and Transcriptome Atlas for Brachypodium Distachyon.	400
OREGON STATE UNIVERSITY Corvallis, OR	DE-FG02-06ER64318 08/31/2010 Law	SC-23.1	The Effects of Disturbance & Climate on Carbon Storage & the Exchanges of CO2 Water Vapor & Energy Exchange of Evergreen Coniferous Forests in the Pacific...	447
OREGON STATE UNIVERSITY Corvallis, OR	DE-FG02-06ER64307 08/31/2010 Law	SC-23.1	Enhancing the Precision and Accuracy Within and Among Ameriflux Site Measurements	499
OREGON STATE UNIVERSITY Corvallis, OR	DE-FG02-05ER64130 08/31/2009 Ely	SC-23.2	Metabolic Engineering of Light and Dark Biochemical Pathways in Wild-Type and Mutant Strains of Synechocystis PCC 6803 for Maximal, 24-Hour Production of...	0
OREGON STATE UNIVERSITY Corvallis, OR	DE-FG02-05ER63986 09/30/2009 Istok	SC-23.1	Stability of U(VI) and Tc(VII) Reducing Microbial Communities to Environmental Perturbation: Development and Testing of a	0
OREGON STATE UNIVERSITY Corvallis, OR	DE-FG02-04ER63911 09/14/2010 Law	SC-23.1	AmeriFlux Measurement Network: Science Team Research	452
OREGON STATE UNIVERSITY Corvallis, OR	DE-FG02-07ER64361 09/14/2010 Law, Goeckede	SC-23.1	Integrating Remote Sensing, Field Observations, & Models to Understand Disturbance & Climate Effects on the	405

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OREGON STATE UNIVERSITY Corvallis, OR	DE-FG02-07ER64417 05/14/2010 Wood	SC-23.1	Mechanistically-Based Field-Scale Models of Uranium Biogeochemistry from Upscaling Pore-Scale Experiments and Models	254
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-FG02-05ER25700 08/14/2010 Showalter	SC-21.1	Modeling, Analysis and Simulation of Multiscale Preferential Flow	0
OREGON STATE UNIVERSITY Corvallis, OR	DE-FG02-06ER15819 08/14/2010 Egbert	SC-22.12	Efficient Inversion of Multi-frequency and Multi-source Electromagnetic Induction Data	0
OREGON, UNIVERSITY OF Eugene, OR	DE-FG02-07ER15907 08/31/2010 Lonergan	SC-22.13	Conjugated Ionomers for Photovoltaic Applications: Electric Field Driven Charge Separatin at Organic Junctions	150
OREGON, UNIVERSITY OF Eugene, OR	DE-FG02-05ER15634 12/31/2010 Kellman	SC-22.11	Dynamical Analysis of Highly Excited Spectra	130
OREGON, UNIVERSITY OF Eugene, OR	DE-FC02-08ER25839 05/31/2012 Sottile	SC-21.1	Center for Technology for Advanced Scientific Component Software (TASCS)	85
OREGON, UNIVERSITY OF Eugene, OR	DE-FG02-07ER25826 08/14/2010 Malony	SC-21.1	Knowledge-Based Parallel Performance Technology for Scientific Application Competitiveness	512
OREGON, UNIVERSITY OF Eugene, OR	DE-FG02-08ER25846 07/31/2011 Malony	SC-21.1	Extreme Performance Scalable Operating Systems: FastOS	149
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	640
OREGON, UNIVERSITY OF Eugene, OR	DE-FG02-96ER40969 06/30/2011 Brau	SC-25	RECOVERY ACT: Task A: Theory of Elementary Particles; Task B Experimental High Energy Physics	1,172
OREGON, UNIVERSITY OF Eugene, OR	DE-FG02-09ER25938 09/14/2012 Sottile	SC-21.1	Fortran Transformational Tools in Support of Scientific Application Development for Petascale Computer Architectures	100
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-FG02-96ER45557 02/28/2011 Richmond	SC-22.23	Wet Interfaces: Molecular Processes Underlying the Structure and Assembly of Thin Films and Nanoparticles at Complex	249
OREGON, UNIVERSITY OF Eugene, OR	DE-FG02-09ER41623 08/14/2012 Brau	SC-25	Sid Detector R&D	895

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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 08/31/2011 Kevan	SC-22.22	Manybody Interactions in Magnetic Films and Nanostructures	160
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	629
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-FG02-08ER64515 12/31/2010 Khalil	SC-23.1	Closing the Gaps in the Budgets of Methane and Nitrous Oxide	555
PORTLAND STATE UNIVERSITY Portland, OR	DE-FG02-07ER46406 06/30/2010 Koenenkamp	SC-22.21	Electron Mapping on the Nanoscale	214
Total for OR :				9,733

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
ALBRIGHT COLLEGE Reading, PA	DE-FG02-09CH11567 09/30/2011 Roth	SC-23	Enhancement of Albright College, PA, Science Facilities: Instrumentation/Construction Re: Three	369
ALBRIGHT COLLEGE Reading, PA	DE-FG02-08CH11543 06/30/2010 Wood, Roth	SC-23	Enhancement of Science Facilities - New Central Utility Plant	0
ALVERNIA UNIVERSITY Reading, PA	DE-FG02-09CH11566 06/30/2010 Flynn, Luvisi	SC-23	Scientific Instrumentation Initiative	554
BUCKNELL UNIVERSITY Lewisburg, PA	DE-FG02-09ER25909 08/31/2012 Frey	SC-21.1	Data Network Weather Service Reporting	232
CARNEGIE MELLON UNIVERSITY Pittsburgh, PA	DE-FG02-07ER15919 08/14/2010 Kitchin	SC-22.12	Modeling Coverage Dependence in Surface Reaction Networks	112
CARNEGIE MELLON UNIVERSITY Pittsburgh, PA	DE-FG02-01ER25438 12/14/2010 Gurtin	SC-21.1	Continuum Mechanical and Computational Aspects of Material Behavior	68
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-FC02-06ER25767 12/14/2011 Gibson	SC-21.1	Petascale of Data Storage Institute	400
CARNEGIE MELLON UNIVERSITY Pittsburgh, PA	DE-FG02-09ER25918 09/14/2012 Schneider	SC-21.1	Machine Learning for Massive Scale Cosmology	619
CARNEGIE MELLON UNIVERSITY Pittsburgh, PA	DE-FG02-87ER40315 11/30/2010 Franklin	SC-26.1	Experimental Medium Energy Physics	955
CARNEGIE MELLON UNIVERSITY Pittsburgh, PA	DE-FG02-91ER40682 10/31/2012 Ferguson	SC-25	RECOVERY ACT: Research in Experimental and Theoretical High Energy Physics	1,422
CARNEGIE MELLON UNIVERSITY Pittsburgh, PA	DE-FG02-08ER46481 03/15/2012 Majetich	SC-22.22	Dipolar Ferromagnets for Magnetocaloric Effect Nanocomposites	92
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 06/30/2011 De Graef	SC-22.21	Experimental Vector Field Electron Tomography of Magnetic Objects	133
NEY UNIVERSITY OF PENNSYLVANIA Cheyney, PA	DE-FG02-09ER64911 09/28/2011 Eva	SC-23.2	Cheyney University Curriculum and Infrastructure Enhancement in STEM Phase II	462

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
DREXEL UNIVERSITY Philadelphia, PA	DE-FG02-07ER46473 08/31/2010 Gogotsi	SC-22.23	Silicon Carbide Derived Carbons: Experiments and Modeling	120
DREXEL UNIVERSITY Philadelphia, PA	DE-FG02-00ER41134 06/30/2012 Lane	SC-25	Neutrino Physics	220
DUQUESNE UNIVERSITY Pittsburgh, PA	DE-FG02-07ER64372 03/14/2011 Stolz	SC-23.1	Nitrate Enhanced Microbial Cr(VI) Reduction	171
LEHIGH UNIVERSITY Bethlehem, PA	DE-FG02-05ER25694 12/31/2007 Linderoth	SC-21.1	Optimization Under Nonconvexity and Uncertainty: Algorithms and Software	-158
LEHIGH UNIVERSITY Bethlehem, PA	DE-FG02-05ER15720 06/14/2011 Regen	SC-22.12	Porous and Glued Langmuir-Blodgett Membranes	130
LEHIGH UNIVERSITY Bethlehem, PA	DE-FG02-93ER14350 06/14/2012 Wachs	SC-22.1	Fundamental Surface Structure-Photoactivity Relationships of Semiconductor Mixed Oxides for Splitting	272
LEHIGH UNIVERSITY Bethlehem, PA	DE-FG02-06ER46318 05/31/2010 Toulouse	SC-22.22	Multiscale Dynamics of Relaxor Ferroelectrics: Part II	40
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	327
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-FG02-07ER54927 07/31/2010 Kritz	SC-24.2	National Transport Code Collaboration (NTCC) PTRANSP	150
LEHIGH UNIVERSITY Bethlehem, PA	DE-FC02-09ER55019 07/31/2011 Kritz	SC-24.2	Fusion Simulation Program (FSP)	120
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	64
LEHIGH UNIVERSITY Bethlehem, PA	DE-FG02-08ER54993 05/31/2011 Kritz	SC-24.2	Center for Simulation of Wave Interactions with Magnetohydrodynamics (SWIM) Project	50
LEHIGH UNIVERSITY Bethlehem, PA	DE-FG02-09ER55007 03/31/2012 Pankin	SC-24.2	Investigation of ELM Dynamics with the Resonant Magnetic Perturbation Effects	75

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LEHIGH UNIVERSITY Bethlehem, PA	DE-FC02-08ER54985 02/28/2011 Kritz	SC-24.2	Proposed Lehigh University Contribution to the Center for Plasma Edge Simulation (CPES) Project	100
LEHIGH UNIVERSITY Bethlehem, PA	DE-FG02-09ER55064 08/31/2012 Schuster	SC-24.2	RECOVERY ACT - Integrated Shape, Current Profile, and Rotation Profile Control in DIII-D	326
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	39
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-08ER64701 09/14/2011 de OliveiraBuanafina	SC-23.2	Identifying Genes Controlling Ferulate Cross-Link Formation in Grass Cell Walls	222
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-08ER64641 08/14/2011 Wagener	SC-23.1	A Framework for Probabilistic Projections of Energy-Relevant Streamflow Indicators Under Climate Change Scenarios for the US	100
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-08ER64615 08/14/2011 Mueller	SC-23.1	Release of Aged Contaminants From Weathered Sediments: Effects of Sorbate Speciation on Scaling of Reactive Transport	83
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-09ER64864 08/14/2011 Du	SC-23.1	Collaborative Proposal: Transforming How Climate System Models are Used: A Global, Multi-Resolution Approach	208
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-09ER64859 08/31/2012 Singha	SC-23.1	Geoelectrical Measurement of Multi-Scale Mass Transfer Parameters	81
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-07ER64399 03/31/2010 Tien, Brantley	SC-23.1	Biochemical Mechanisms and Energy Strategies of Geobacter Sulfurreducens	0
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-08ER64520 04/30/2011 Singha	SC-23.1	Toward Quantifying Kinetics of Biotic and Abiotic Metal Reduction with Electrical Geophysical Methods	45
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-05ER64058 05/31/2011 Verlinde, Harrington	SC-23.1	North Slope Site Scientist Team	389
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FC02-06ER64157 11/30/2010 Davis	SC-23.1	Northeastern Regional Center of the National Institute for Climatic Change Research	1,687
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-06ER64315 08/31/2010 Davis	SC-23.1	Synthesis of Carbon Dioxide Flux and Mixing Ratio Measurements in Support of the North American Carbon Program	162
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-04ER46159 02/28/2011 Liu	SC-22.22	P-Wave Superconductivity in Sr2Ru04 and Other Possible New Superconductors	100
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-05ER46222 09/14/2011 Golbeck	SC-22.23	A Hybrid Biological/Organic Half-Cell for Generating Dihydrogen	250

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PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-07ER46371 05/31/2010 Allcock	SC-22.22	The State of Water in Proton Conducting Membranes	135
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-07ER46417 07/31/2010 Chen	SC-22.21	Structure and Dynamics of Domains in Ferroelectric Nanostructures	87
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-07ER46414 08/14/2010 Fichthorn	SC-22.23	Nanocolloidal Forces for Stability or Assembly	293
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-07ER46409 08/31/2010 Colby	SC-22.23	Conduction Mechanisms and Structure of Ionomeric Single-Ion Conductors	457
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-07ER46410 08/31/2011 Zhang	SC-22.23	Possible Giant Electrocaloric Effect at Room Temperature in Relaxor Ferroelectric Polymers	145
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-09ER41631 08/31/2012 Stasto	SC-26.1	QCD Description of Hadronic Interactions at High Energies	107
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-01ER45907 10/31/2009 Xi	SC-22.22	Raman Spectroscopic Study of Coupling Between Magnetic and Ferroelectric Orders in Nanoscaled Thin Films Superlattices	118
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-08ER41560 08/14/2010 Gronwall	SC-25	Lyman Alpha Emitting Galaxies at $2 < z < .3$: Towards a Calibrated Probe of Dark Energy	16
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	40
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-90ER61071 10/31/2009 Clothiaux	SC-23.1	Retrieval of Cloud Properties and Direct Testing of Cloud and Radiation Parameterizations Using ARM Observations	0
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-FG02-08ER46531 04/30/2011 Li	SC-22.22	Studies of Interband Modes and Fermi Surface Features in Very Clean MgB2 Films	90
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-08ER46483 12/14/2012 Schaak	SC-22.23	Chemical Routes to Intermetallic Superconductors	104
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-08ER46546 08/14/2011 Weiss	SC-22.21	Atomic-Scale Chemical, Physical, and Electronic Properties of the Subsurface Hydride of Palladium	200
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

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PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-90ER40577 12/31/2011 Collins	SC-25	Theoretical Studies in Elementary Particle Physics	185
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-93ER40771 12/31/2010 Strikman	SC-26.1	Theoretical Studies in High Energy Nuclear Physics	160
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	149
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-08ER25862 08/14/2011 Berlyand	SC-21.1	Finite Dimensional Approximations for Continuum Multiscale Problems	101
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-05ER25684 08/31/2011 Maranas	SC-21.1	Development of Computational Tools for Metabolic Models Curation, Flux, Elucidation and Strain Design	336
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-98ER20314 08/31/2010 Golbeck	SC-22.13	Homodimeric Type I Photosynthetic Reaction Centers in Anoxygenic Bacteria	153
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-95ER20198 08/14/2011 Ferry	SC-22.13	New Perspectives on Acetate and One-Carbon Metabolism in the Methanoarchaea	119
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-94ER20137 03/31/2012 Bryant	SC-22.13	Light Energy Transduction in Green Sulfur Bacteria	268
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-09ER16039 07/31/2014 Cosgrove	SC-22.13	RECOVERY ACT - Center for Lignocellulose Structure and Formation -- EFRC	21,000
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-06ER15772 03/31/2010 Grimes	SC-22.13	Broad Spectrum Photoelectrochemical Diodes for Solar Hydrogen Generation	90
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-06ER15803 06/30/2012 Winograd	SC-22.12	Chemical Imaging With Cluster Ion Beams and Lasers	271
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-05ER15675 08/31/2011 Brantley	SC-22.12	An Investigation of Roughness and Weathering at the Bedrock-Regolith Interface	274
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-07ER15911 08/31/2010 Mallouk	SC-22.13	Nanostructured Photocatalytic Water Splitting Systems	180
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-07ER15877 06/14/2010 Weiss	SC-22.12	Local Optical Spectroscopies for Subnanometer Spatial Resolution Chemical Imaging	185
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-07ER15891 04/30/2010 Tien	SC-22.13	Modification of Lignin by Protein Cross-Linking to Facilitate Production of Biofuels from Poplar	160

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PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-08ER15986 08/31/2011 Williams	SC-22.13	Metal-Linked Artificial Peptides as Photoinitiated Molecular Wires and Antennas	125
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-84ER13295 11/30/2012 Sen	SC-22.12	Transition Metal Mediated Transformations of Small Molecules	140
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-84ER13179 04/30/2011 Cosgrove	SC-22.13	Molecular Mechanisms of Plant Cell Wall Loosening	165
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-89ER14020 04/14/2011 Maroncelli	SC-22.13	Solvation and Charge Transfer in Ionic Liquids and Polar Solvents	175
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-92ER14258 04/30/2011 Castleman, Jr.	SC-22.11	Elucidating the Molecular Level Mechanisms of Oxidation Reactions Effected by Heterogeneous Catalysts	143
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-02ER15332 08/31/2011 Ma	SC-22.13	Analysis of Anther Cell Differentiation	165
PENNSYLVANIA, UNIVERSITY OF Philadelphia, PA	DE-FG02-87ER13792 04/30/2011 Lester	SC-22.11	Intermolecular Interactions of Hydroxyl Radicals on Reactive Potential Energy Surfaces	150
PENNSYLVANIA, UNIVERSITY OF Philadelphia, PA	DE-FG02-86ER13615 08/31/2008 Wayland	SC-22.12	Catalytic Hydrogenation of Carbon Monoxide and Hydrocarbon Oxidations	0
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-FG02-07ER15920 08/14/2010 Rappe	SC-22.12	Theoretical Studies of Catalyst Tunability at Ferroelectric Oxide Surfaces	155
PENNSYLVANIA, UNIVERSITY OF Philadelphia, PA	DE-FG02-05ER15719 06/30/2011 Sneddon	SC-22.12	Mechanistic Studies of Activated Hydrogen Release from Amine Boranes	300
PENNSYLVANIA, UNIVERSITY OF Philadelphia, PA	DE-FG02-04ER15605 08/14/2010 Vohs	SC-22.12	Fundamental Studies of the Steam Reforming of Alcohols on PdZnO and Co/ZnO Catalysts	136
PENNSYLVANIA, UNIVERSITY OF Philadelphia, PA	DE-FG02-91ER20052 04/30/2011 Daldal	SC-22.13	Membrane-Attached Electron Carriers in Photosynthesis and Respiration	180
PENNSYLVANIA, UNIVERSITY OF Philadelphia, PA	DE-FG02-91ER20055 08/31/2009 Rea	SC-22.13	Mechanistic basis of phytochelatin transport	0
PENNSYLVANIA, UNIVERSITY OF Philadelphia, PA	DE-FG02-99ER20328 08/31/2010 Poethig	SC-22.13	Genetic regulation of adaxial-abaxial polarity in Arabidopsis	0

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
PENNSYLVANIA, UNIVERSITY OF Philadelphia, PA	DE-FG02-95ER40893 10/31/2011 Williams	SC-25	RECOVERY ACT: High Energy Physics Research	3,267
PENNSYLVANIA, UNIVERSITY OF Philadelphia, PA	DE-FG02-88ER40479 12/31/2011 Beier	SC-26.1	The Low Energy Neutrino Physics Research Program at Penn	550
PENNSYLVANIA, UNIVERSITY OF Philadelphia, PA	DE-FG02-08ER46522 08/14/2011 Yildirim	SC-22.21	From Fundamental Understanding to Predicting New Nanomaterials for High-Capacity Hydrogen Storage	300
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-FG02-00ER45813 05/31/2011 Bonnell	SC-22.21	Local Electronic and Dielectric Properties at Nanosized Interfaces	135
PENNSYLVANIA, UNIVERSITY OF Philadelphia, PA	DE-FG02-98ER45702 06/30/2010 Vitek	SC-22.22	Multiscale Modeling of Dislocation Behavior in Non-Magnetic Transition Metals and Ferromagnetic Iron	167
PENNSYLVANIA, UNIVERSITY OF Philadelphia, PA	DE-FG02-84ER45118 01/31/2012 Mele	SC-22.22	Electronic and Piezoelectric Phenomena in Nanostructures	105
PENNSYLVANIA, UNIVERSITY OF Philadelphia, PA	DE-FG02-07ER46431 08/14/2010 Rappe	SC-22.22	Semiconductor Ferroelectrics and Surface Nanomaterials for Highly Efficient Solar Hydrogen Production	250
PENNSYLVANIA, UNIVERSITY OF Philadelphia, PA	DE-FG02-05ER46223 09/14/2011 Dutton	SC-22.23	Modular Designed Protein Constructions for Solar Generated H2 From Water	245
PENNSYLVANIA, UNIVERSITY OF Philadelphia, PA	DE-FG02-05ER46199 04/30/2013 Liu	SC-22.22	Anharmonic and Thermal Effects Associated with Jammed Solids	110
PENNSYLVANIA, UNIVERSITY OF Philadelphia, PA	DE-FG02-04ER46156 08/31/2010 Blasie	SC-22.23	Design, Synthesis and Characterization of Novel Electronic and Photonic BioMolecular Materials	573
PITTSBURGH, UNIVERSITY OF Pittsburgh, PA	DE-FG02-02ER45998 11/14/2011 Balazs	SC-22.23	Theoretical Modeling, Synthesis and Characterization of Self-Healing Coatings	70
PITTSBURGH, UNIVERSITY OF Pittsburgh, PA	DE-FG02-07ER46446 07/31/2010 Yang	SC-22.21	Multiscale Atomistic Simulation of Metal-Oxygen Surface Interactions: Methodological Development, Theoretical	217
PITTSBURGH, UNIVERSITY OF Pittsburgh, PA	DE-FG02-07ER46430 08/31/2010 Waldeck	SC-22.22	Nanocrystal-Based Dyads for Solar to Electric Energy Conversion	260
PITTSBURGH, UNIVERSITY OF Pittsburgh, PA	DE-FG02-07ER46421 08/14/2010 Levy	SC-22.22	Development of Spintronic Bandgap Materials	290

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
PITTSBURGH, UNIVERSITY OF Pittsburgh, PA	DE-FG02-90ER45438 11/30/2011 Balazs	SC-22.23	Designing Colonies of Communicating Microcapsules that Exhibit Collective Behavior	120
PITTSBURGH, UNIVERSITY OF Pittsburgh, PA	DE-FG02-98ER45686 02/28/2010 Jasnow, Coalson	SC-22.22	Statistical Mechanics of Polymers and Flux-Lines in Random Media	12
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-FG02-08ER41568 08/14/2010 Newman	SC-25	Optimizing New Dark Energy Experiments	15
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 Electrolysis	250
PITTSBURGH, UNIVERSITY OF Pittsburgh, PA	DE-FG02-08ER46545 08/14/2011 Wiezorek	SC-22.21	Electron Density Determination, Bonding and Properties of Tetragonal Ferromagnetic Intermetallics	150
PITTSBURGH, UNIVERSITY OF Pittsburgh, PA	DE-FG02-91ER40646 10/31/2011 Shepard	SC-25	RECOVERY ACT: Experimental Particle Physics	934
PITTSBURGH, UNIVERSITY OF Pittsburgh, PA	DE-FG02-00ER41135 11/30/2010 Swanson	SC-26.1	Studies of the Quark and Gluon Structure of Nuclear and Hadronic Matter	103
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
PITTSBURGH, UNIVERSITY OF Pittsburgh, PA	DE-FG02-04ER25618 02/28/2011 Yotov	SC-21.1	Modeling and Simulation of Coupled Complex Multiscale Subsurface Phenomena	79
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 Model Studies in the Cluster Regime	119
PITTSBURGH, UNIVERSITY OF Pittsburgh, PA	DE-FG02-08ER64586 07/31/2011 Liang	SC-23.1	The Role of Vegetation, Surface, and Subsurface Processes on Mega Drought and its Implications to Climate Change	100
SWARTHMORE COLLEGE Swarthmore, PA	DE-FG02-00ER54604 11/30/2010 Brown	SC-24.2	Novel CT's Equilibrium, Stability, and Dynamics	172
TEMPLE UNIVERSITY Philadelphia, PA	DE-FG02-94ER40844 03/31/2012 Meziani	SC-26.1	Nuclear Research Using the Electromagnetic Probe	325
TEMPLE UNIVERSITY Philadelphia, PA	DE-FG02-05ER25672 07/31/2011 Szyld	SC-21.1	Krylov Subspace and Schwarz Methods for PDEs, Control, and Other Problems	183

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
TEMPLE UNIVERSITY Philadelphia, PA	DE-FG02-96ER14644 11/30/2011 Strongin	SC-22.12	Reactivity of Iron-Bearing Minerals and CO2 Sequestration: A Multi-Disciplinary Experimental Approach	94
TEMPLE UNIVERSITY Philadelphia, PA	DE-FG02-09ER16000 12/14/2010 Wayland	SC-22.12	Catalytic Hydrogenation of Carbon Monoxide and Hydrocarbon Oxidations	130
TEMPLE UNIVERSITY Philadelphia, PA	DE-FG02-08ER15983 02/14/2011 Matsika	SC-22.11	Combining High Level Ab Initio Calculations with Laser Control of Molecular Dynamics	80
TEMPLE UNIVERSITY Philadelphia, PA	DE-FG02-01ER45872 01/31/2011 Riseborough	SC-22.22	Strongly Correlated Electron Systems	75
THOMAS JEFFERSON UNIVERSITY Philadelphia, PA	DE-FG02-05ER64084 08/31/2008 Wang	SC-23.2	Characterization of the Role of Fhit in Maintenance of Genomic Integrity Following Low Dose Radiation, In Vivo and In Vitro	-235
Total for PA :				50,487

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
PUERTO RICO, UNIVERSITY OF Mayaguez, PR	DE-FG02-97ER41045 05/31/2010 Lopez	SC-25	UPR/Mayaguez High Energy Physics	230
PUERTO RICO, UNIVERSITY OF San Juan, PR	DE-FG02-08ER46526 08/31/2011 Katiyar	SC-22.21	Multifunctional Nanostructures for Magnetoelectrics and Spintronics Applications	440
Total for PR :				670

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Listing of Awards for State (RI)

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
BROWN UNIVERSITY Providence, RI	DE-FG02-03ER15452 10/31/2012 Weber	SC-22.11	Ultrafast Structural Dynamics in Combustion-relevant Model Systems	125
BROWN UNIVERSITY Providence, RI	DE-FG02-08ER15937 02/28/2011 Rose-Petruck	SC-22.11	Ultrafast Holographic X-ray Imaging and its Application to Picosecond Ultrasonic Wave Dynamics in Bulk Materials	189
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	RECOVERY ACT: A Research Program in Theoretical and Experimental High Energy Physics	1,794
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	493
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-FG02-98ER25346 02/28/2011 Hesthaven	SC-21.1	Parallel High Order Accuracy Methods (Deterministic and Stochastic) Applied to Non-Linear Equations	149
BROWN UNIVERSITY Providence, RI	DE-FG02-08ER25863 08/14/2011 Shu	SC-21.1	High Order Discontinuous Galerkin Method and Applications	149
BROWN UNIVERSITY Providence, RI	DE-FG02-07ER25818 03/31/2010 Karniadakis	SC-21.1	Stochastic Analysis of Advection-Diffusion-Reactive Systems with Applications to Reactive Transport in Porous Media	104
BROWN UNIVERSITY Providence, RI	DE-FG02-07ER46387 05/31/2010 Nurmikko	SC-22.22	Hybrid Inorganic Nitride Organic Semiconductor Heterostructures	205
BROWN UNIVERSITY Providence, RI	DE-FG02-08ER41549 06/30/2010 Gaitskell	SC-25	Construction of the LUX Dark Matter Experiment at the Sanford Underground Science and Engineering Laboratory	262
BROWN UNIVERSITY Providence, RI	DE-FG02-01ER45913 11/30/2011 Chason	SC-22.23	Mechanisms of Sputter Ripple Formation: Coupling Among Energetic Ions, Surface Kinetics, Stress and Composition	124
BROWN UNIVERSITY Providence, RI	DE-FG02-07ER46458 08/14/2010 Ling	SC-22.21	Neutron Scattering Studies of Vortex Matter in Type-II Superconductors	207
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-FG02-09ER64807 08/31/2010 Weber	SC-23.2	Brown University, Brown Energy Initiative	924

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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	128
RHODE ISLAND, UNIVERSITY OF Kingston, RI	DE-FG02-09CH11578 03/31/2011 Bozylinsky	SC-23	Improving the University of Rhode Island (URI) Cyber-Infrastructure for Enhancing Research	0
Total for RI :				5,287

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Listing of Awards for State (SC)

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
CLEMSON UNIVERSITY Clemson, SC	DE-FG02-04ER46139 08/14/2011 Tritt	SC-22.21	The Next Generation Solid State Power Conversion Materials	750
CLEMSON UNIVERSITY Clemson, SC	DE-FG02-07ER46364 01/31/2011 Ogale	SC-22.21	Surface Anchoring of Nematic Phase on Carbon	150
CLEMSON UNIVERSITY Clemson, SC	DE-FG02-06ER46342 08/14/2010 Chumanov	SC-22.23	Asymmetric Hybrid Nanoparticles (AHNs)	136
CLEMSON UNIVERSITY Clemson, SC	DE-FG02-07ER46456 05/14/2010 Perahia	SC-22.21	The Study of Hydrophobic and Ionizable Hydrophilic Copolymers at Polymer/Solid and Polymer/Liquid Interfaces	149
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-FG02-08ER46501 06/14/2011 Smith	SC-22.21	New Fluoroionomer Electrolytes with High Conductivity and Low SO2 Crossover for Use in Electrolyzers Being Developed for the Hybrid Sulfur Process for ...	40
CLEMSON UNIVERSITY Clemson, SC	DE-FG02-08CH11494 09/30/2010 Bottum	SC-23	South Carolina Cyber-Grid	0
CLEMSON UNIVERSITY Clemson, SC	DE-FG02-05ER15718 06/14/2011 Creager	SC-22.12	Fluoropolymers, Electrolytes, Composites and Electrodes	250
CLEMSON UNIVERSITY Clemson, SC	DE-FG02-07ER64407 01/14/2011 Schlautman	SC-23.1	Optimizing Metalloporphyrin-Catalyzed Reduction Reactions for In Situ Remediation of DOE Contaminants	0
CLEMSON UNIVERSITY Clemson, SC	DE-FG02-07ER64411 12/31/2010 DeVol	SC-23.1	Radionuclide Sensors for Subsurface Water Monitoring	101
CLEMSON UNIVERSITY Clemson, SC	DE-FG02-07ER64401 07/14/2010 Molz	SC-23.1	Biogeochemical Processes Responsible for the Enhanced Transport of Plutonium Under Transient Unsaturated Ground Water	187
CLEMSON UNIVERSITY Clemson, SC	DE-FG02-09ER64853 08/14/2011 Moysey	SC-23.1	Quantifying Microbe-Mineral Interactions Leading to Remotely Detectable Induced Polarization Signals: Implications for Monitoring Bioremediation	26
CLEMSON UNIVERSITY Clemson, SC	DE-FG02-09ER64920 12/28/2011 Bottum	SC-23.2	Clemson University CyberInstitute	1,387
CLINTON JUNIOR COLLEGE Rock Hill, SC	DE-FG02-09CH11568 09/30/2010 Copeland	SC-23	Energy Efficiency Renovations and Safety Project at Clinton Junior College	369
AROLINA, MEDICAL UNIVERSITY OF Charleston, SC	DE-FG02-08ER64605 12/31/2009 Hoel	SC-23.2	Low Dose Radiation Cancer Risks: Epidemiological and Toxicological Models	0

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Listing of Awards for State (SC)

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
SOUTH CAROLINA, UNIVERSITY OF Columbia, SC	DE-FG02-07ER64431 07/14/2011 Ju	SC-23.1	New Grid and Discretization Technologies for Ocean and Ice Simulations	96
SOUTH CAROLINA, UNIVERSITY OF Columbia, SC	DE-FG02-06ER64210 02/28/2011 Shafer	SC-23.4	Integrated Hydrogeophysical and Hydrogeologic Driven Parameter Upscaling for Dual-Domain Transport Modeling	0
SOUTH CAROLINA, UNIVERSITY OF Columbia, SC	DE-FG02-95ER40910 05/31/2010 Rosenfeld, Purohit	SC-25	Experimental Particle Physics	607
SOUTH CAROLINA, UNIVERSITY OF Columbia, SC	DE-FG02-09ER46616 08/14/2012 Wang	SC-22.21	1D and 2D Assembly of Bionanoparticles for Materials Development	420
SOUTH CAROLINA, UNIVERSITY OF Columbia, SC	DE-FG02-09ER46617 08/14/2012 Vogt	SC-22.21	Structure-Composition-Property Relationships of Complex Bismuth Oxide Base Photocatalysts	429
SOUTH CAROLINA, UNIVERSITY OF Columbia, SC	DE-FG02-09ER46581 07/31/2014 Reifsnider	SC-22.21	Science Based Nano-Structure Design and Synthesis of Heterogeneous Functional Materials for Energy Systems -- EFRFC	2,375
SOUTH CAROLINA, UNIVERSITY OF Columbia, SC	DE-FG02-09ER41621 07/31/2012 Gudkov	SC-26.1	Fundamental Neutron Physics: Theory and Analysis	100
SOUTH CAROLINA, UNIVERSITY OF Columbia, SC	DE-FG02-99ER45763 04/14/2011 Kunchur	SC-22.22	Transport Behavior of Superconductors at High Dissipation and Short Timescales	124
SOUTH CAROLINA, UNIVERSITY OF Columbia, SC	DE-FG02-07ER46428 08/31/2010 Adams	SC-22.22	Hybrid Organic-Inorganic Composite Solar Cells for Efficient, Low-Cost, Photoelectric Energy Conversion	280
SOUTH CAROLINA, UNIVERSITY OF Columbia, SC	DE-FG02-06ER46270 12/31/2009 Knight	SC-22.21	Analysis and Development of a Robust Fuel for Gas-Cooled Fast Reactors	0
WOFFORD COLLEGE Spartanburg, SC	DE-FG02-09ER64802 07/31/2011 Savage	SC-23.1	Uranium Attenuation and Release in Porous Media Related to Geochemical Gradients	87
Total for SC :				8,158

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Listing of Awards for State (SD)

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
DAKOTA SCHOOL OF MINES & TECH. Rapid City, SD	DE-FG02-08ER46503 06/30/2011 Ahrenkiel	SC-22.21	Lattice-Mismatched III-V Epilayers for High-Efficiency Photovoltaics	15
SOUTH DAKOTA STATE UNIVERSITY Brookings, SD	DE-FG02-06CH11410 12/31/2010 Erpenbach	SC-23	Thomas Daschle Center	0
Total for SD :				15

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Listing of Awards for State (TN)

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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	270
TENNESSEE STATE UNIVERSITY Nashville, TN	DE-FG02-04CH11216 05/31/2007 Keith, Shute	SC-23	Life Sciences Facility Renovations	-21
TENNESSEE TECH. UNIVERSITY Cookeville, TN	DE-FG02-96ER40955 02/28/2011 Kozub	SC-26.1	Nuclear Physics with Radioactive Ion Beams	56
TENNESSEE TECH. UNIVERSITY Cookeville, TN	DE-FG02-89ER40530 03/31/2013 Ayik	SC-26.1	Studies of Fluctuation Processes in Nuclear Collisions	37
TENNESSEE, UNIVERSITY OF Knoxville, TN	DE-FG02-91ER40627 03/31/2010 Kamyshkov	SC-25	Elementary Particle Interactions	675
TENNESSEE, UNIVERSITY OF Knoxville, TN	DE-FG02-96ER40963 02/14/2011 Nazarewicz	SC-26.1	Theoretical Nuclear Structure	165
TENNESSEE, UNIVERSITY OF Knoxville, TN	DE-FG02-96ER40982 05/31/2011 Sorensen	SC-26.1	Studies of Hot and Dense Nuclear Matter	261
TENNESSEE, UNIVERSITY OF Knoxville, TN	DE-FG02-96ER40983 02/28/2011 Bingham, Riedinger, Grzywacz, Jones	SC-26.1	Nuclear Spectroscopic Studies with Radioactive and Stable Ion Beams	357
TENNESSEE, UNIVERSITY OF Knoxville, TN	DE-FG02-04ER25606 08/31/2007 Beck	SC-21.1	Overlay Transit Networking for Scalable, High Performance Data Communication Across Heterogeneous Infrastructure	-4
TENNESSEE, UNIVERSITY OF Knoxville, TN	DE-FG02-05ER25717 08/31/2010 Parang, Davis	SC-21.1	Pipeline Engineering Diversity Program	0
TENNESSEE, UNIVERSITY OF Knoxville, TN	DE-FC02-06ER25778 12/14/2011 Huang	SC-21.1	SciDAC Institute for Ultra-Scale Visualization	100
TENNESSEE, UNIVERSITY OF Knoxville, TN	DE-FC02-06ER25761 12/14/2011 Dongarra	SC-21.1	Performance Engineering Research Center (PERC-3) SciDAC Center for Enabling Technology	235
TENNESSEE, UNIVERSITY OF Knoxville, TN	DE-FC02-06ER25748 09/14/2011 Dongarra	SC-21.1	Coordinated Fault Tolerance for High Performance Computing	200
TENNESSEE, UNIVERSITY OF Knoxville, TN	DE-FG02-09ER25882 08/31/2012 Plechac	SC-21.1	Multiscale Mathematics for Biomass Conversion to Renewable Hydrogen	182
TENNESSEE, UNIVERSITY OF Knoxville, TN	DE-FC02-07ER25801 11/14/2011 Dongarra	SC-21.1	SciCET: Center for Scalable-Performance Application Development Software	135

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
TENNESSEE, UNIVERSITY OF 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	170
TENNESSEE, UNIVERSITY OF Knoxville, TN	DE-FG02-01ER15259 10/31/2010 Barnes	SC-22.12	Nanostructured Metal Oxide Catalysts via Building Block Syntheses	134
TENNESSEE, UNIVERSITY OF Knoxville, TN	DE-FG02-02ER15283 02/28/2011 Macek	SC-22.11	Theory of Threshold Effects in Low-Energy Atomic Collisions	125
TENNESSEE, UNIVERSITY OF Knoxville, TN	DE-FG02-09ER16024 07/14/2012 Guiochon	SC-22.12	Separation of Highly Complex Mixtures by Two-Dimension Liquid Chromatography	240
TENNESSEE, UNIVERSITY OF Knoxville, TN	DE-FG02-05ER15723 06/14/2011 Keffer	SC-22.12	A Computational and Experimental Investigation into the Transport Through of Protons near the Electrolyte/Water, Electrolyte/Catalyst and	275
TENNESSEE, UNIVERSITY OF Knoxville, TN	DE-FG02-01ER45885 07/31/2012 Musfeldt	SC-22.22	Spectroscopic Investigations of Novel Electronic and Magnetic Solids	135
TENNESSEE, UNIVERSITY OF Knoxville, TN	DE-FG02-97ER45657 11/30/2009 Quinn	SC-22.22	The Interpretation of Numerical Studies of Fractional Quantum Hall Systems in Terms of Elementary Excitations	15
TENNESSEE, UNIVERSITY OF 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	96
TENNESSEE, UNIVERSITY OF Knoxville, TN	DE-FC02-09ER41583 11/30/2011 Nazarewicz	SC-26.1	Building a Universal Nuclear Energy Density Functional	259
TENNESSEE, UNIVERSITY OF Knoxville, TN	DE-FG02-07ER41529 08/31/2010 Papenbrock	SC-26.1	Structure of Rare Isotopes	90
TENNESSEE, UNIVERSITY OF Knoxville, TN	DE-FG02-06ER41407 12/31/2011 Papenbrock	SC-26.1	JUSTIPEN: Japan US Theory Institute for Physics with Exotic Nuclei	11
TENNESSEE, UNIVERSITY OF Knoxville, TN	DE-FG02-07ER46370 05/14/2010 Eguiluz	SC-22.22	Predictive Capability for Strongly Correlated Systems: Mott Transition in MnO, Multielectron Magnetic Moments, and	40
TENNESSEE, UNIVERSITY OF Knoxville, TN	DE-FG02-06ER46338 08/14/2010 Nieh	SC-22.22	Roles of Nanoclusters in Shear Banding and Plastic Deformation of Bulk Metallic Glasses	137
TENNESSEE, UNIVERSITY OF Knoxville, TN	DE-FG02-07ER46363 01/31/2011 Langston	SC-22.21	Scalable Computational Methods for the Analysis of High-Throughput Biological Data	150
TENNESSEE, UNIVERSITY OF Knoxville, TN	DE-FG02-05ER46202 05/14/2011 Dai	SC-22.21	Using Neutrons as a Probe to Study Magnetic Excitations in Strongly Correlated Electron Materials	197

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
TENNESSEE, UNIVERSITY OF Knoxville, TN	DE-FG02-06ER46266 12/31/2009 Keppens	SC-22.21	Resonant Ultrasound Studies of Spin Glasses and Geometrically Frustrated Magnets	0
TENNESSEE, UNIVERSITY OF Knoxville, TN	DE-FG02-08ER46528 08/31/2011 Egami	SC-22.21	Neutron Scattering Research Network for EPSCoR States	134
TENNESSEE, UNIVERSITY OF Knoxville, TN	DE-FG02-02ER63366 10/31/2009 Classen	SC-23.1	Community and Ecosystem Response to Global Change: Interactive Effects of Atmospheric Carbon Dioxide, Surface Temperatures, and	0
TENNESSEE, UNIVERSITY OF Knoxville, TN	DE-FG02-08ER64667 09/14/2011 Zale	SC-23.2	Development of Genomic and Genetic Tools for Foxtail Millet, and Use of These Tools in the Improvement of Biomass Production for Bioenergy Crops	87
TENNESSEE, UNIVERSITY OF Knoxville, TN	DE-FG02-09ER64879 08/31/2010 Sayler	SC-23.1	US-China Workshop on Climate-Energy Nexus, November 9-13, 2009	49
VANDERBILT UNIVERSITY Nashville, TN	DE-FG02-88ER40407 12/31/2009 Hamilton, Ramayya	SC-26.1	Experimental Nuclear Physics	327
VANDERBILT UNIVERSITY Nashville, TN	DE-FG02-85ER40226 05/31/2011 Weiler, Kephart	SC-25	Theoretical Investigations in Elementary Particle Physics	250
VANDERBILT UNIVERSITY Nashville, TN	DE-FG02-92ER40712 02/28/2013 Maguire	SC-26.1	Relativistic Heavy Ion Experimental Physics	556
VANDERBILT UNIVERSITY Nashville, TN	DE-FG02-96ER40975 05/31/2010 Umar, Oberacker, Ernst	SC-26.1	Microscopic Heavy-Ion Theory	155
VANDERBILT UNIVERSITY Nashville, TN	DE-FG02-02ER45957 11/30/2009 Rosenthal	SC-22.22	Nanocrystal Research for Energy Efficient and Clean Energy Technologies	0
VANDERBILT UNIVERSITY Nashville, TN	DE-FG02-01ER45916 03/14/2011 Haglund	SC-22.22	Linear and Nonlinear Optical Properties of Metal Nanocrystal Composites Synthesized by Directed Self Assembly	199
VANDERBILT UNIVERSITY Nashville, TN	DE-FG02-99ER45781 10/31/2010 Tolk	SC-22.22	Hydrogen-Bond Specific Materials Modifications in Group IV Semiconductors	227
VANDERBILT UNIVERSITY Nashville, TN	DE-FC02-06ER41447 03/14/2011 Bapty	SC-25	SciDAC: National Computational Infrastructure for Lattice Gauge Theory	76
VANDERBILT UNIVERSITY Nashville, TN	DE-FG02-05ER46239 08/31/2011 Jennings	SC-22.23	Surface-Directed Fabrication of Integrated Membrane-Electrode Interfaces	100
VANDERBILT UNIVERSITY Nashville, TN	DE-FG02-07ER46447 08/14/2010 Dickerson	SC-22.21	Structure and Magnetic Properties of Lanthanide Nanocrystals	124

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
VANDERBILT UNIVERSITY Nashville, TN	DE-FG02-09ER46554 02/14/2012 Pantelides	SC-22.21	Physics of Complex Materials Systems Through Theory and Microscopy / EELS	256
VANDERBILT UNIVERSITY Nashville, TN	DE-FG02-09ER64872 09/14/2011 Peterson	SC-23.2	Small Animal SPECT/CT System Based on Position-Sensitive Semiconductor Detectors	578
			Total for TN :	7,840

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
ABILENE CHRISTIAN UNIVERSITY Abilene, TX	DE-FG02-03ER41243 05/14/2012 Isenhower	SC-26.1	The Spin and Anti-Quark Structure of the Nucleon	321
BAYLOR UNIVERSITY Waco, TX	DE-FG02-05ER41399 05/31/2011 Dittmann	SC-25	Elementary Particle Physics at Baylor	160
BAYLOR UNIVERSITY Waco, TX	DE-FG02-09ER41600 05/31/2011 Ward	SC-25	Theoretical High Energy Physics at Baylor	58
BAYLOR UNIVERSITY Waco, TX	DE-FG02-06ER64253 09/30/2009 Doyle	SC-23.2	Lake Whitney Comprehensive Assessment, Phase 1B	0
FOURTH STATE RESEARCH Austin, TX	DE-FG02-08ER54978 02/14/2011 Bravenec	SC-24.2	A Systematic Method for Verification and Validation of Gyrokinetic Microstability Codes	50
HOUSTON, UNIVERSITY OF Houston, TX	DE-FG02-07ER41518 08/14/2010 Lau	SC-25	RECOVERY ACT: A Proposal to Measure the Neutrino Mixing Angle Theta_13 in the Daya Bay Experiment	120
HOUSTON, UNIVERSITY OF Houston, TX	DE-FG02-07ER41521 08/14/2010 Pinsky	SC-26.1	Selected Problems in Relativistic Heavy Ion Physics in ALICE at the LHC	190
HOUSTON, UNIVERSITY OF Houston, TX	DE-FG02-08ER46486 01/31/2011 Reiter	SC-22.21	Neutron Compton Scattering as a Probe of Hydrogen Bonded (and other) Systems	138
HOUSTON, UNIVERSITY OF Houston, TX	DE-FG02-09ER46571 02/28/2013 Jacobson	SC-22.23	Enhanced Mixed Electronic-Ionic Conductors Through Cation Ordering	200
HOUSTON, UNIVERSITY OF Houston, TX	DE-FG02-03ER54713 12/31/2009 Donnelly	SC-24.2	Spatially Resolved Diagnostics and Modeling of Microhollow Discharges	0
HOUSTON, UNIVERSITY OF Houston, TX	DE-FG02-09ER55042 08/14/2012 Economou	SC-24.2	RECOVERY ACT - Pulsed Plasma With Synchronous Boundary Voltage for Rapid Atomic Layer Etching	114
HOUSTON, UNIVERSITY OF Houston, TX	DE-FG02-07ER15888 01/14/2011 Thummel	SC-22.13	The Design of a Photocatalyst for the Decomposition of Water into its Elements	155
HOUSTON, UNIVERSITY OF Houston, TX	DE-FC02-06ER25759 09/14/2011 Chapman	SC-21.1	Center for Programming Models for Scalable Parallel Computing	200
NORTH TEXAS, UNIVERSITY OF Denton, TX	DE-FG02-03ER15387 05/14/2011 Cundari	SC-22.12	Modeling of Catalytic Processes for More Efficient Utilization of Hydrocarbon Resources	100
NORTH TEXAS, UNIVERSITY OF Denton, TX	DE-FG02-05ER15647 05/31/2011 Chapman	SC-22.13	Amidase-Mediated Modulation of N-Acylethanolamine (NAE) Signaling Pathway in Plants	165

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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	49
NORTH TEXAS, UNIVERSITY OF Denton, TX	DE-FG02-06ER46312 04/30/2012 Krokhin	SC-22.22	Effective Medium Theory for Periodic Composites	110
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	220
NORTH TEXAS, UNIVERSITY OF Denton, TX	DE-FG02-08ER64603 07/31/2012 Wilson	SC-23.2	Environmental and Energy Research at the Texas Center for Advanced Scientific Computing and Modeling (CASCaM)	680
PRAIRIE VIEW A&M RES FOUND Prairie View, TX	DE-FG02-97ER54452 01/31/2012 Boyd	SC-24.2	Institute for High Heat Flux Removal: Phase II	201
PRAIRIE VIEW A&M RES FOUND Prairie View, TX	DE-FG02-04ER54777 12/14/2011 Huang	SC-24.2	RECOVERY ACT: Study of Rotamak Plasmas	272
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-FG02-04ER15523 04/14/2013 Scuseria	SC-22.12	Accurate Theoretical Approaches for Studying Actinides and Other Heavy Elements in Solid State	199
RICE UNIVERSITY, WILLIAM MARSH Houston, TX	DE-FC02-06ER25754 09/14/2011 Mellor-Crummey	SC-21.1	Center for Programming Models for Scalable Parallel Computing	400
RICE UNIVERSITY, WILLIAM MARSH Houston, TX	DE-FC02-06ER25762 12/14/2011 Mellor-Crummey	SC-21.1	Performance Engineering Research Center (PERC3)	215
RICE UNIVERSITY, WILLIAM MARSH Houston, TX	DE-FC02-07ER25800 11/14/2011 Mellor-Crummey	SC-21.1	Center for Scalable Performance Application Development Software	1,260
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-FG02-09ER25920 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

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
RICE UNIVERSITY, WILLIAM MARSH Houston, TX	DE-FG02-97ER41031 04/30/2011 Roberts, Corcoran, Padley	SC-25	High Energy Physics	653
RICE UNIVERSITY, WILLIAM MARSH Houston, TX	DE-FG02-93ER40772 12/31/2010 Geurts	SC-26.1	Nuclear Structure at Intermediate Energies	593
RICE UNIVERSITY, WILLIAM MARSH Houston, TX	DE-FG02-06ER46337 06/14/2012 Natelson	SC-22.22	Nanostructure Studies of Strongly Correlated Materials	130
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 02/14/2011 Du	SC-22.22	Experiments on Quantum Hall Topological Phases at Ultra-Low Temperatures	140
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-FG02-09ER55032 08/14/2012 Liang	SC-24.2	Relativistic Plasma Physics Using Ultra-Intense Lasers	340
RICE UNIVERSITY, WILLIAM MARSH Houston, TX	DE-FG02-03ER63662 12/14/2010 Levander, Zelt	SC-23.1	3-D Seismic Experimentation and Advanced Processing/Inversion Development for Investigations of the Shallow Subsurface	0
SOUTHERN METHODIST UNIVERSITY Dallas, TX	DE-FG02-09CH11579 08/31/2010 Quick	SC-23	Creation of the Parallel Computing Center at Southern Methodist University	924
SOUTHERN METHODIST UNIVERSITY Dallas, TX	DE-FG02-08ER41573 08/14/2010 Ye	SC-25	Evaluation of the 0.25 um Silicon-on-Sapphire Technology for ASIC Developments for Future Particle Physics	155
SOUTHERN METHODIST UNIVERSITY Dallas, TX	DE-FG02-04ER41299 02/14/2010 Stroynowski	SC-25	RECOVERY ACT: High Energy Physics	669
TEXAS A&M UNIVERSITY College Station, TX	DE-FG02-93ER40773 12/31/2010 Tribble	SC-26.1	Texas A&M University Cyclotron Institute Research Plan	2,918
TEXAS A&M UNIVERSITY College Station, TX	DE-FG02-04ER41341 02/14/2010 Tribble	SC-26.2	Extending the Capabilities of the Texas A&M University Cyclotron Institute to Include Reaccelerated Radioactive Beams	0
TEXAS A&M UNIVERSITY College Station, TX	DE-FG02-06ER64174 07/31/2009 Schumacher	SC-23.1	Hydrometeors Injected into the Large-Scale Environment by Tropical Cloud Systems	0
TEXAS A&M UNIVERSITY Commerce, TX	DE-FG02-08ER41533 01/14/2011 Bertulani	SC-26.1	Reactions With Rare Isotopes	60

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
TEXAS A&M UNIVERSITY 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, TX	DE-FG02-09ER64836 08/31/2010 Saffer	SC-23.2	The Development of an Artificial Science and Engineering Research Infrastructure to Facilitate Innovative Computational Modeling, Analysis, and Application...	369
EXAS A&M UNIVERSITY KINGSVILLE Kingsville, TX	DE-FG02-08ER64519 05/14/2010 Clapp	SC-23.1	Evaluation of Membrane-Delivered Hydrogen for Stimulating In-Situ Reduction at Nitrate and Uranium	67
TEXAS AGRILIFE RESEARCH College Station, TX	DE-FG02-08ER64604 07/14/2010 Harris	SC-23.2	Lake Granbury and Lake Whitney Assessment Initiative	0
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	0
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-FG02-05ER15729 06/14/2011 Balbuena	SC-22.12	Theory-Guided Design of Nanoscale Multi-Metallic Catalysts For Fuel Cells	200
TEXAS ENGRNG EXPERIMNT STATION College Station, TX	DE-FG02-08ER64644 08/31/2011 Irish	SC-23.1	Collaborative Proposal: Climate-Induced Changes in Hurricane Winds, Surge, and Risk to Electric Power Systems	100
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-FG02-95ER40938 02/29/2012 Wigmans	SC-25	Experimental Particle Physics Research	696
TEXAS TECH UNIVERSITY Lubbock, TX	DE-FG02-09ER25889 08/31/2012 Long	SC-21.1	Quantifying Prediction Fidelity in Multiscale Multiphysics Simulations	74
TEXAS TECH UNIVERSITY Lubbock, TX	DE-FG02-99ER20346 09/14/2011 Knaff	SC-22.13	Ferredoxin-Dependent Plant Metabolic Pathways	180
TEXAS TECH UNIVERSITY Lubbock, TX	DE-FG02-05ER46218 07/31/2011 McKenna	SC-22.23	Cyclic Macromolecules: Dynamics and Nonlinear Rheology	180
TEXAS TECH UNIVERSITY Lubbock, TX	DE-FG02-09ER46552 11/30/2011 Jiang	SC-22.22	Optical and Electrical Properties of III-V 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

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
EXAS, UNIV. OF HEALTH SC. CTR. Houston, TX	DE-FG02-07ER15867 05/14/2010 Spudich	SC-22.13	Folding and Function of Proteorhodopsins in Photoenergy Transducing Membranes	170
EXAS, UNIV. OF HEALTH SC. CTR. San Antonio, TX	DE-FG02-09ER64799 07/14/2012 Yuan	SC-23.2	The c-Abl Signaling Network in the Radio-Adaptive Response	233
TEXAS, UNIV. OF MEDICAL BRANCH Galveston, TX	DE-FG02-07ER64347 12/31/2009 Cornforth	SC-23.2	Heritable Genetic Changes in Cells Recovered from Irradiated 3D Tissue Constructs	216
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	350
UNIV. OF SOUTHWESTERN MED. CTR Dallas, TX	DE-FG02-06ER64186 12/31/2009 Boothman	SC-23.2	The IGF-1/IGF-1R-MAPK-Secretory Clusterin (sCLU) Pathway: Mediator of a Low Dose IR-Inducible Bystander Effect	0
UNIV. OF SOUTHWESTERN MED. CTR Dallas, TX	DE-FG02-07ER64335 11/30/2009 Yang	SC-23.2	A Non-Linear Systems Biology Approach to Model & Analyze the Dynamic Responses of Low Dose Ionizing Radiation-Inducible	100
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-06ER46303 08/14/2010 Liechti	SC-22.22	Nano-Mechanics of Tunable Adhesion using Non Covalent Forces	137
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-06ER46286 06/30/2010 Chelikowsky	SC-22.22	Theory of the Optical and Electronic Properties of Clusters and Nanostructures	108
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-07ER46377 05/31/2010 Shi	SC-22.22	Energy Transport in Graphene	82
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-02ER45958 06/14/2011 Niu	SC-22.22	Transport and Collective Properties of Semiconductors and Graphen Overlayers	205
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-04ER41321 01/31/2012 Shvets	SC-25	Investigations of the Plasma and Structure-Based Particle Accelerators	244
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-FG02-96ER54373 03/31/2012 Gentle	SC-24.2	C-Mod Collaboration	340
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	433
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 Electrodes, New Electrolytes...	453

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-09ER46673 08/31/2010 Zhu	SC-22.23	Extracting Hot or Multiple Charge Carriers from Photoexcited Semiconductor Nanocrystals	170
TEXAS, UNIVERSITY OF Austin, TX	DE-FC02-08ER54988 07/14/2011 Berk	SC-24.2	Center for Gyrokinetic/MHD Hybrid Simulation of Energetic Particle Physics in Toroidal Plasmas (CSEPP)	150
TEXAS, UNIVERSITY OF Austin, TX	DE-FC02-09ER55043 07/31/2011 Berk	SC-24.2	Fusion Simulation Program	40
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-07ER54938 07/31/2010 Van Dam	SC-24.2	Activities of U.S. Burning Plasma Organization	264
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-07ER54945 07/31/2010 Downer	SC-24.2	RECOVERY ACT - Tomographic Visualization and Control System for Evolving Laser-Plasma Structures	160
TEXAS, UNIVERSITY OF Austin, TX	DE-FC02-08ER54961 02/28/2011 Horton	SC-24.2	Gyrokinetic Particle Simulation of Turbulent Transport in Burning Plasmas	50
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-05ER54840 07/31/2010 Shvets	SC-24.2	Collective High-Current Beam Effects Relevant to Fast Ignition of Fusion Targets	50
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-04ER54754 06/14/2010 Kotschenreuther	SC-24.2	Removing the Divertor Bottleneck in Magnetic Fusion Energy	97
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-04ER54742 10/31/2012 Van Dam	SC-24.2	Institute for Fusion Studies	2,569
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-04ER54766 05/14/2011 Gentle	SC-24.2	RECOVERY ACT - Collaborative Research: Magnetized Plasma Turbulence and Coupling to Bulk Flows	270
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-09ER16044 07/31/2014 Barbara	SC-22.11	RECOVERY ACT - Understanding Charge Separation and Transfer at Interfaces in Energy Materials and Devices (CST) -- EFRC	13,108
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-09ER16036 07/31/2014 Pope	SC-22.12	Frontiers of Subsurface Energy Security -- EFRC	1,700
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	280
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-FG02-08ER25860 08/14/2011 Ghattas	SC-21.1	Large-Scale Optimization for Bayesian Inference in Complex Systems	0

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-06ER25782 12/14/2011 Ghattas	SC-21.1	Towards Optimal Petascale Simulations (TOPS)	80
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	595
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-04ER25617 02/28/2011 Wheeler	SC-21.1	Modeling and Simulation of Coupled Complex Multiscale Subsurface Phenomena	188
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	334
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-93ER40757 12/31/2011 Ritchie, Lang, Schwitters, Kopp,	SC-25	RECOVERY ACT: Research in High Energy Physics	821
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-94ER40845 03/31/2012 Hoffmann	SC-26.1	Studies in High Energy Heavy Ion Nuclear Physics	681
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-96ER40954 01/14/2011 Downer	SC-25	Laser Wakefield Acceleration: Channeling, Seeding, and Diagnostics	294
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-01ER15186 10/31/2010 Sessler	SC-22.12	Synthetic Receptors and Sensors for Actinide Cations and the Peractinide Anion	160
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-02ER15352 08/31/2009 Herrin	SC-22.13	Factor Assisted Splicing in Chloroplasts	0
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-02ER15362 11/30/2011 Freeman	SC-22.12	Novel Membranes for Carbon Dioxide Removal from Natural Gas Based on Thermally Rearranged Polymers	155
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-03ER15406 07/31/2010 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-22.1	Predicting Fracture Porosity Evolution In Sandstone	245
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-04ER15496 11/14/2012 Katz	SC-22.12	Geochemistry of Interfaces: From Surfaces to Interlayers to Clusters	83
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-04ER15587 01/31/2012 Mullins	SC-22.12	Surface Chemical Studies of Gold Model Catalysts	145
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-05ER15746 11/14/2011 Barbara	SC-22.13	Single Molecule Spectroscopic Studies of Charge Separation and Charge Transfer	175

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TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-06ER15758 10/31/2011 Crooks	SC-22.12	Theoretical and Experimental Study of Electrokinetic Accumulation and Separation	151
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-06ER15760 11/14/2009 Chelikowsky	SC-22.11	Scalable Methods for Electronic Excitations and Optical Responses of Nanostructures: Mathematics to Algorithms to Observables	0
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-07ER15884 07/31/2010 Stanton	SC-22.11	Quantum Chemistry of Radicals and Reactive Intermediates	120
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-08ER64610 07/31/2011 Cook	SC-23.1	Influence of Atlantic SST Thresholds on Continental Climates: Development and Application of a Coupled Atmosphere/Ocean/Vegetation Regional	178
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	333
TEXAS, UNIVERSITY OF Richardson, TX	DE-FG02-08ER46491 08/14/2010 Chabal	SC-22.23	Novel Theoretical and Experimental Approaches for Understanding and Optimizing Hydrogen-Sorbent Interactions in Metal Organic Framework Materials	410
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-FG02-07ER41491 02/28/2009 Brandt	SC-25	Development of a 10 Picosecond Time-of-Flight Counter	0
EXAS, UNIVERSITY OF ARLINGTON Arlington, TX	DE-FG02-96ER40943 01/31/2011 White	SC-25	RECOVERY ACT: Research in Experimental Elementary Particle Physics	621
EXAS, UNIVERSITY OF ARLINGTON Arlington, TX	DE-FG02-05CH11280 11/15/2009 Behbehani	SC-23	The University of Texas at Arlington Optical Medical Imaging Section of the Advanced Imaging Research Center	0
EXAS, UNIVERSITY OF ARLINGTON Arlington, TX	DE-FG02-03ER15409 08/31/2010 Ray	SC-22.12	A Fully Relativistic Density Functional Study of the Role of 5f Electrons in Chemical Bonding in Transuranium Elements	65
EXAS, UNIVERSITY OF ARLINGTON Arlington, TX	DE-FG02-06ER64287 02/28/2011 Behbehani	SC-23.2	The University of Texas at Arlington Optical Medical Imaging Section of the Advancing Imaging Research Center (formerly Metroplex Comprehensive Imaging	0
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 04/14/2010 Izen	SC-25	Elementary Particle Physics	362
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	212

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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	116
TEXAS, UNIVERSITY OF EL PASO El Paso, TX	DE-FG02-09ER41599 12/31/2010 Incera	SC-26.1	Cold and Dense Quark Matter in Magnetic Fields	60
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	118
Total for TX :				45,678

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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	130
UTAH STATE UNIVERSITY Logan, UT	DE-FC02-05ER54812 02/28/2011 Held	SC-24.2	RECOVERY ACT: Plasma Science and Innovation Center (PSI-Center) at Washington, Wisconsin, and Utah State Universities	56
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-FC02-08ER54973 02/14/2011 Held	SC-24.2	Center for Extended Magnetohydrodynamic Modeling	75
UTAH STATE UNIVERSITY Logan, UT	DE-FG02-06ER64277 07/31/2010 Schmidt	SC-23.2	Enhancement for the Intermountain Center for River Restoration and Rehabilitation	554
UTAH VALLEY UNIVERSITY Orem, UT	DE-FG02-09CH11569 12/31/2010 Jordan	SC-23	Biotechnology/Forensics Laboratory Training: Facility at Utah Valley University	462
UTAH, UNIVERSITY OF Salt Lake City, UT	DE-FG02-06ER64309 08/31/2010 Ehleringer	SC-23.1	Understanding the Influences of Seasonality and Interannual Variability on Biosphere-Atmosphere d13CO2 Exchange in a	225
UTAH, UNIVERSITY OF Salt Lake City, UT	DE-FG02-05ER64026 12/14/2010 Trewhella	SC-23.2	Biological Neutron Scattering	0
UTAH, UNIVERSITY OF Salt Lake City, UT	DE-FG02-08ER64553 05/14/2011 Krueger	SC-23.1	Interactions of Cumulus Convection and the Boundary Layer at the Southern Great Plains ACRF	75
UTAH, UNIVERSITY OF Salt Lake City, UT	DE-FG02-08ER64557 05/14/2011 Zipser	SC-23.1	Validation of Model Simulations of Anvil Cirrus Properties During TWP-ICE	97
UTAH, UNIVERSITY OF Salt Lake City, UT	DE-FG02-98ER62571 02/28/2011 Mace	SC-23.1	The Coupling Between the Large Scale Atmospheric State and Cloud Properties: A Continuing Investigation with ARM Data	162
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-FG02-09ER46639 09/14/2012 Scarpulla	SC-22.22	SISGR - Fundamental Studies of Unconventional Sulfide Semiconductors for Cost- Effective and Environmentally Benign	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 Supercapacitors: A Combined Experimental	500
UTAH, UNIVERSITY OF Salt Lake City, UT	DE-FG02-06ER46313 05/31/2012 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 2009
UTAH, UNIVERSITY OF Salt Lake City, UT	DE-FG02-03ER46027 04/30/2010 Liu	SC-22.23	Group IV Nanomembranes, Nanoribbons, and Quantum Dots: Processing, Characterization, and Novel Devices	90
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-FG02-04ER46148 05/31/2010 Liu	SC-22.22	Classical and Quantum Stress Effects in Nano Thin Films and in Doping of Semiconductors	125
UTAH, UNIVERSITY OF Salt Lake City, UT	DE-FG02-04ER46109 11/14/2010 Vardeny	SC-22.23	Optical, Electrical and Magnetic Studies of pi-Conjugated Systems	210
UTAH, UNIVERSITY OF Salt Lake City, UT	DE-FC02-06ER41446 03/14/2011 Detar	SC-25	SciDAC: National Computational Infrastructure for Lattice Gauge Theory	58
UTAH, UNIVERSITY OF Salt Lake City, UT	DE-FG02-93ER45504 12/31/2010 Miller	SC-22.23	Synthesis of Molecule/Polymer Based Magnetic Materials	235
UTAH, UNIVERSITY OF Salt Lake City, UT	DE-FG02-93ER14333 02/28/2011 Harris	SC-22.12	Analytical Spectroscopy Methods for Liquid/Solid Interfaces	135
UTAH, UNIVERSITY OF Salt Lake City, UT	DE-FG02-03ER15404 05/31/2012 Armentrout	SC-22.1	Thermochemistry and Reactivity of Transition Metal Clusters and Their Oxides	211
UTAH, UNIVERSITY OF Salt Lake City, UT	DE-FG02-99ER15003 02/28/2014 Anderson	SC-22.11	Model Catalysts by Size-Selected Cluster Deposition	0
UTAH, UNIVERSITY OF Salt Lake City, UT	DE-FG02-01ER15176 12/14/2010 Morse	SC-22.11	Spectroscopy of Organometallic Radicals	125
UTAH, UNIVERSITY OF Salt Lake City, UT	DE-FG02-05ER15689 08/14/2009 Louie	SC-22.12	Harnessing the Chemistry of Carbon Dioxide	0
UTAH, UNIVERSITY OF Salt Lake City, UT	DE-FG02-05ER15724 08/31/2010 Simons	SC-22.12	Computer Simulation of Proton Transport in Fuel Cell Membranes	160
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-FG02-09ER16079 09/14/2012 Louie	SC-22.12	Harnessing the Chemistry of Carbon Dioxide	150
UTAH, UNIVERSITY OF Salt Lake City, UT	DE-FG02-09ER16055 02/28/2013 Swanson	SC-22.11	Coupled Charge Transport Molecular Dynamics (CCT-MD): Multiscale Modeling of Solar Energy Conversion Processes	120

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
UTAH, UNIVERSITY OF Salt Lake City, UT	DE-FC02-08ER25865 09/14/2011 Sanderson	SC-21.1	Visualization and Analysis in Support of Fusion Science	100
UTAH, UNIVERSITY OF Salt Lake City, UT	DE-FC02-07ER25807 11/14/2008 Parker	SC-21.1	Center for Technology for Advanced Scientific Component Software (TASCS)	-67
UTAH, UNIVERSITY OF Salt Lake City, UT	DE-FC02-07ER25810 11/14/2011 Silva	SC-21.1	Scientific Data Management Center for Enabling Technologies (CET)	182
UTAH, UNIVERSITY OF Salt Lake City, UT	DE-FC02-06ER25781 12/14/2011 Johnson	SC-21.1	Visualization and Analytics Center for Enabling Technologies	854
WESTMINSTER COLLEGE Salt Lake City, UT	DE-FG02-08CH11526 01/31/2010 Seltzer	SC-23	Purchase of Equipment for Use in Westminster College's New Science Center	0
			Total for UT :	5,989

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
GEORGE MASON UNIVERSITY Fairfax, VA	DE-FG02-07ER64473 08/14/2010 Straus	SC-23.1	Detection and Attribution of Climate Change Using the Interactive Ensemble	181
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	167
GEORGE MASON UNIVERSITY Fairfax, VA	DE-FG02-09ER64888 08/31/2011 Bailey	SC-23.2	Infectious Disease Proteome Biomarkers	1,387
GEORGE MASON UNIVERSITY Fairfax, VA	DE-FG02-01ER45871 08/31/2011 Mishin	SC-22.22	Interfaces in Electronic and Structural Materials	122
GEORGE MASON UNIVERSITY Fairfax, VA	DE-FG02-07ER46425 07/31/2010 Papaconstantopoulos	SC-22.22	Highly Concentrated Palladium Hydrides/Deuterides; Theory	90
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	149
GEORGE MASON UNIVERSITY Fairfax, VA	DE-FG02-05ER25712 02/28/2010 Wanner	SC-21.1	Multiscale Analysis of Nonlinear Systems Using Computational Topology	0
GEORGE MASON UNIVERSITY Fairfax, VA	DE-FG02-09ER25960 09/14/2012 Shorlte	SC-21.1	RECOVERY ACT - New Approaches for Rare-Event Simulation and Decision Making	747
HAMPTON UNIVERSITY Hampton, VA	DE-FG02-01ER54624 04/14/2010 Ali	SC-24.2	The Problem of Heat Deposition on Divertor Tokamak	69
HAMPTON UNIVERSITY Hampton, VA	DE-FG02-04ER54793 07/31/2010 Punjabi	SC-24.2	Homoclinic Tangles in DIII-D Divertor Tokamak	123
HAMPTON UNIVERSITY Hampton, VA	DE-FG02-07ER54937 07/31/2010 Ali	SC-24.2	The Hampton University Undergraduate Research Experience in Fusion Science and Related Areas for Minority and Female Students	26
HAMPTON UNIVERSITY Hampton, VA	DE-FG02-97ER41047 05/31/2012 Tang	SC-26.1	Selected Problems in Hypernuclear Physics	157
HAMPTON UNIVERSITY Hampton, VA	DE-FG02-87ER40380 03/31/2010 Keppel	SC-26.1	The Hampton University Graduate Studies (HUGS) Summer Program at Jefferson Lab	45
NORFOLK STATE UNIVERSITY Norfolk, VA	DE-FG02-89ER40525 06/30/2010 Punjabi	SC-26.1	Polarization Experiments with Electromagnetic Probes	70
ERN VIRGINIA COMMUNITY COLLEGE Annandale, VA	DE-FG02-06ER64264 02/28/2010 Hinton	SC-23.2	Northern Virginia Community College Training for Biotechnology Workers	0

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
ION UNIVERSITY RESEARCH FOUND. Norfolk, VA	DE-FG02-96ER40960 03/14/2011 Kuhn, Weinstein, Dodge	SC-26.1	From Quarks to Nuclei	720
ION UNIVERSITY RESEARCH FOUND. Norfolk, VA	DE-FG02-97ER41028 04/14/2012 Radyushkin	SC-26.1	Topics in Theoretical Nuclear Physics	139
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-FG02-05ER54820 03/31/2011 Vahala	SC-24.2	EBW Physics of ECE in NSTX	70
ION UNIVERSITY RESEARCH FOUND. Norfolk, VA	DE-FG02-97ER45625 01/31/2011 Elsayed-Ali	SC-22.23	Effect of Electronic Excitation on Thin Film Growth	132
RICHMOND, UNIVERSITY OF Richmond, VA	DE-FG02-05ER41379 04/30/2011 Beausang	SC-26.1	Nuclear Structure Research at Richmond	41
RICHMOND, UNIVERSITY OF Richmond, VA	DE-FG02-96ER40980 05/31/2012 Gilfoyle	SC-26.1	Medium Energy Nuclear Physics at the University of Richmond	45
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	90
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
RGINIA COMMONWEALTH UNIVERSITY Richmond, VA	DE-FG02-96ER45579 08/31/2011 Jena, Khanna	SC-22.22	Supported, Coated and Ligated Metal Clusters	182
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	224
A POLYTECHNIC INST AND ST UNIV Blacksburg, VA	DE-FG02-07ER46480 05/14/2011 Priya	SC-22.21	Correlation of Bulk Dielectric and Piezoelectric Properties to the Local Scale Phase Transformations, Domain Morphology, and Crystal Structure in	150
A POLYTECHNIC INST AND ST UNIV Blacksburg, VA	DE-FG02-08ER46484 12/14/2009 Priya	SC-22.22	Mesoscale Interfacial Dynamics in Magnetoelectric Nanocomposites	51
A POLYTECHNIC INST AND ST UNIV Blacksburg, VA	DE-FG02-08ER46532 04/30/2011 Heremans	SC-22.22	Spin-Coherent Transport Under Strong Spin-Orbit Interaction	75
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	300

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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	526
A POLYTECHNIC INST AND ST UNIV Blacksburg, VA	DE-FG02-06ER25720 11/30/2009 Watson	SC-21.1	Mathematical Software for Optimization and Nonlinear Systems of Equations on Terascale Computers	0
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	148
A POLYTECHNIC INST AND ST UNIV Blacksburg, VA	DE-FG02-05ER15751 05/31/2011 Brewer	SC-22.13	Photoinitiated Electron Collection in Mixed-Metal Supramolecular Complexes: Development of Photocatalysts for Hydrogen	120
A POLYTECHNIC INST AND ST UNIV Blacksburg, VA	DE-FG02-05ER15658 12/14/2011 Ross	SC-22.12	Energetics of Nanomaterials	80
A POLYTECHNIC INST AND ST UNIV Blacksburg, VA	DE-FG02-00ER15112 10/31/2010 Dove	SC-22.12	Investigation of the Physical Basis for Biomineralization	245
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	140
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	173
A POLYTECHNIC INST AND ST UNIV Blacksburg, VA	DE-FG02-05CH11314 12/31/2010 Jones	SC-23	Congressionally Initiated Grant for the Design and Construction of the Environmental Learning Center	0
A POLYTECHNIC INST AND ST UNIV Blacksburg, VA	DE-FG02-07ER64449 07/31/2010 Beers	SC-23.2	Towards a Map of the Populus Biomass Protein-Protein Interaction Network	400
VIRGINIA, UNIVERSITY OF Charlottesville, VA	DE-FG02-07ER64442 07/31/2010 Keene	SC-23.1	The Impact of Primary Marine Aerosol on Atmospheric Chemistry, Radiation, and Climate: A CCSM Model Development	75
VIRGINIA, UNIVERSITY OF Charlottesville, VA	DE-FG02-95ER14549 05/31/2012 Davis	SC-22.12	Structure and Function of Supported Base Catalysts	220
VIRGINIA, UNIVERSITY OF Charlottesville, VA	DE-FG02-97ER14786 10/31/2012 Gallagher	SC-22.11	Studies of Autoionizing States Relevant to Dielectronic Recombination	147
VIRGINIA, UNIVERSITY OF Charlottesville, VA	DE-FG02-01ER15149 03/14/2010 Harrison	SC-22.11	Catalysis at Metal Surfaces Studied by Non-Equilibrium and STM Methods	0
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	0

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
VIRGINIA, UNIVERSITY OF Charlottesville, VA	DE-FG02-07ER15894 08/14/2011 Neurock	SC-22.12	Theory Aided Design of Active and Durable Nanoscale Cathode Catalysts	195
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	148
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-FG02-96ER40950 11/30/2010 Day, Crabb	SC-26.1	Electron Interactions with Nuclei	692
VIRGINIA, UNIVERSITY OF Charlottesville, VA	DE-FG02-97ER41025 05/31/2012 Norum	SC-26.1	Nuclear Studies with Intermediate Energy Probes	560
VIRGINIA, UNIVERSITY OF Charlottesville, VA	DE-FG02-97ER41027 04/15/2012 Thacker	SC-25	RECOVERY ACT-Experimental and Theoretical High Energy Physics Group (Tasks A, B, C, and D)	1,105
VIRGINIA, UNIVERSITY OF Charlottesville, VA	DE-FG02-03ER41240 05/31/2011 Liyanage	SC-26.1	Study of the Nucleon Structure at Jefferson Lab Hall A	154
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	90
VIRGINIA, UNIVERSITY OF Charlottesville, VA	DE-FG02-01ER41168 03/31/2010 Cates	SC-26.1	Medium Energy Spin Physics with Lasers	450
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	349
VIRGINIA, UNIVERSITY OF Charlottesville, VA	DE-FG02-09ER46582 07/31/2014 Gunnoe	SC-22.21	Center for Catalytic Hydrocarbon Functionalization -- EFRIC	2,200
VIRGINIA, UNIVERSITY OF Charlottesville, VA	DE-FG02-07ER46384 05/31/2013 Lee	SC-22.21	Neutron Scattering Study of Unconventional Superconductors	172
VIRGINIA, UNIVERSITY OF Charlottesville, VA	DE-FG02-07ER41522 04/30/2010 Paschke	SC-26.1	Precision Electroweak Studies at Low Q ² using Parity-Violating Electron-Scattering	114
VIRGINIA, UNIVERSITY OF Charlottesville, VA	DE-FG02-01ER45927 06/14/2011 Louca	SC-22.21	Spin Transitions, Phase Competition and Ordering in Perovskite Oxides	196

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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	271
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	17
WILLIAM AND MARY, COLLEGE OF Williamsburg, VA	DE-FG02-96ER41003 02/14/2011 Griffioen, Averett	SC-26.1	Nucleon Structure Studies	389
WILLIAM AND MARY, COLLEGE OF Williamsburg, VA	DE-FG02-04ER41302 03/14/2013 Orginos, Detmold	SC-26.1	Topics in Theoretical Physics	105
WILLIAM AND MARY, COLLEGE OF Williamsburg, VA	DE-FG02-06ER41434 07/31/2009 Kelley	SC-25	Research and Development for Electropolishing of Niobium for ILC Accelerator Cavities	0
WILLIAM AND MARY, COLLEGE OF Williamsburg, VA	DE-FG02-07ER41527 08/31/2010 Orginos	SC-26.1	Nuclear Physics from Lattice QCD	110
WILLIAM AND MARY, COLLEGE OF Williamsburg, VA	DE-FG02-09ER41630 08/31/2012 Detmold	SC-26.1	Multi-Meson Systems in Lattice QCD	96
WILLIAM AND MARY, COLLEGE OF Williamsburg, VA	DE-FG02-07ER46366 04/30/2010 Krakauer	SC-22.22	Predictive Capability for Strongly Correlated Systems: Mott Transition in MnO, Multielectron Magnetic Moments, and	40
WILLIAM AND MARY, COLLEGE OF Williamsburg, VA	DE-FG02-04ER46127 04/14/2010 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-FG02-96ER54344 12/31/2011 Vahala	SC-24.2	Theoretical Plasma Physics	100
Total for VA :				16,049

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
SAINT MICHAELS COLLEGE Colchester, VT	DE-FG02-09ER55005 12/14/2009 Brizard	SC-24.2	Nonlinear FLR Effects in Reduced Fluid Models	50
& ST AGRICULTURAL COL., U. OF Burlington, VT	DE-FG02-09ER64921 09/28/2011 Bernstein	SC-23.2	University of Vermont Center for Biomedical Imaging	1,156
VERMONT, UNIVERSITY OF Burlington, VT	DE-FG02-05ER63998 04/30/2010 Neher	SC-23.1	Climate Change in Arid Lands: Effects on Soil Biota and Ecosystem Processes	0
VERMONT, UNIVERSITY OF Burlington, VT	DE-FG02-07ER46380 05/31/2011 Headrick	SC-22.21	Fundamental Mechanisms of Roughening and Smoothing During Thin Film Deposition	251
Total for VT :				1,457

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
MSNW LLC Redmond, WA	DE-FG02-09ER55029 08/14/2012 Slough	SC-24.2	Foil Liner Compression of the FRC to Megagauss Fields	325
WASHINGTON STATE UNIVERSITY Pullman, WA	DE-FG02-07ER46386 05/31/2010 McCluskey	SC-22.22	Optical Properties of Doped ZnO Nanocrystals and Ceramics	123
WASHINGTON STATE UNIVERSITY Pullman, WA	DE-FG02-07ER46435 08/14/2010 Zbib	SC-22.22	Investigating Deformation and Failure Mechanisms in Nanoscale Multilayer Metallic Composites	290
WASHINGTON STATE UNIVERSITY Pullman, WA	DE-FG02-04ER46103 07/14/2009 Lynn, Weber	SC-22.22	Defects in ZnO and Other Oxides and Semiconductors - Laying the Foundation for Defect Engineering of Novel Materials	49
WASHINGTON STATE UNIVERSITY Pullman, WA	DE-FG02-99ER62787 04/14/2010 Morgan	SC-23.2	Optimizing the Scientific Regulatory and Social Impact of the DOE Low Dose Program	0
WASHINGTON STATE UNIVERSITY Pullman, WA	DE-FG02-03ER63577 09/14/2006 Peyton	SC-23.4	Long-term Stewardship of Mixed Wastes: Passive Reactive Barriers for Simultaneous In Situ Remediation of Chlorinated	-5
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
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-FG02-09ER16062 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	138
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	130
WASHINGTON STATE UNIVERSITY Pullman, WA	DE-FG02-96ER20216 05/14/2011 Okita	SC-22.13	Enhancement of Photoassimilate Utilization by Manipulation of ADPGlucose Pyrophosphorylase	165
WASHINGTON STATE UNIVERSITY Pullman, WA	DE-FG02-99ER20323 03/14/2012 Browse	SC-22.13	Jasmonate Signaling and Stamen Development in Arabidopsis	156
WASHINGTON STATE UNIVERSITY Pullman, WA	DE-FG02-08ER15955 05/31/2011 Kramer	SC-22.13	The Energy Budget of Steady State Photosynthesis	163
WASHINGTON STATE UNIVERSITY Pullman, WA	DE-FG02-08ER15927 12/31/2010 Neff	SC-22.13	Biochemical and Molecuar Genetic Analysis of the AT-hook Nuclear Localizing (AHL) Gene Family in Arabidopsis	120
WASHINGTON STATE UNIVERSITY Pullman, WA	DE-FG02-06ER15820 12/14/2012 Hurst	SC-22.13	Membrane-Organized Chemical Photoredox Systems	0

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
WASHINGTON STATE UNIVERSITY Pullman, WA	DE-FG02-04ER15618 07/31/2011 Dickinson	SC-22.12	Laser Material Interactions Relevant to Analytic Spectroscopy of Wide Band Gap Materials	152
WASHINGTON STATE UNIVERSITY Pullman, WA	DE-FG02-06ER15782 06/30/2010 Clark	SC-22.12	Actinide Partitioning and Radiation Effects in U(VI) Solids: Thermodynamics and Mechanistic Study	0
WASHINGTON STATE UNIVERSITY Pullman, WA	DE-FG02-04ER63727 11/14/2006 Xun	SC-23.4	Integrated Investigation on the Production and Fate of Organo-Cr(III) Complexes from Microbial Reduction of Chromate	-2
WASHINGTON STATE UNIVERSITY Pullman, WA	DE-FG02-04ER63801 05/14/2005 Miller	SC-23.2	Damage Recognition, Protein Signaling, and Fidelity of Base Excision Repair	0
WASHINGTON STATE UNIVERSITY Pullman, WA	DE-FG02-09ER64901 08/31/2012 Gang	SC-23.2	Engineering Specialized Metabolism in a Single Cell Type	573
WASHINGTON STATE UNIVERSITY Pullman, WA	DE-FG02-08ER64560 05/14/2011 Beyenal	SC-23.1	Microscale Metabolic, Redox and Abiotic Reactions in Hanford 300 Area Subsurface Sediments	259
WASHINGTON STATE UNIVERSITY Pullman, WA	DE-FG02-08ER64626 07/31/2011 Jobson	SC-23.1	Field Measurements of Organic Aerosol Precursors and Air Mass Photochemical Age	94
WASHINGTON STATE UNIVERSITY Pullman, WA	DE-FG02-08ER64696 09/14/2011 Wall	SC-23.1	Influence of Organic Ligands on the Stability and Mobility of Reduced Tc(IV) and U(IV)	97
WASHINGTON, UNIVERSITY OF Seattle, WA	DE-FG02-08ER64668 09/14/2010 Link	SC-23.2	A Systematic Investigation of PET Radionuclide Specific Activity on Miniaturization of Radiochemistry	0
WASHINGTON, UNIVERSITY OF Seattle, WA	DE-FG02-08ER64685 09/14/2011 Leigh	SC-23.2	Hydrogen Regulation and Global Responses to Electron, Carbon and Nitrogen Sources of Methanococcus Maripaludis	600
WASHINGTON, UNIVERSITY OF Seattle, WA	DE-FG02-09ER64767 06/14/2012 Marchand	SC-23.1	Atmospheric Classification for the Analysis of ARM Observations and Global Climate Models	152
WASHINGTON, UNIVERSITY OF 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	132
WASHINGTON, UNIVERSITY OF 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	113
WASHINGTON, UNIVERSITY OF Seattle, WA	DE-FG02-09ER64778 06/30/2012 Ackerman	SC-23.1	Evaluating and Improving Cloud Processes in the Multi-Scale Modeling Framework	166
WASHINGTON, UNIVERSITY OF Seattle, WA	DE-FG02-09ER64839 08/14/2011 Lettenmaier	SC-23.1	Collaborative Proposal: Hydrologic Extremes in a Changing Climate: How Much Information Can Regional Climate Models	173

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WASHINGTON, UNIVERSITY OF Seattle, WA	DE-FG02-09ER64833 08/31/2011 Wood	SC-23.1	Clouds, Aerosol, and Precipitation in the Marine Boundary Layer: Analysis of Results from the ARM Mobile Facility Deployment to the Azores	299
WASHINGTON, UNIVERSITY OF Seattle, WA	DE-FG02-04ER63873 07/31/2009 Lettenmaier	SC-23.1	North American Drought in the 21st Century	0
WASHINGTON, UNIVERSITY OF Seattle, WA	DE-FG02-06ER64175 01/31/2010 Houze	SC-23.1	Hydrometeors Injected into the Large Scale Environment by Tropical Cloud Systems	0
WASHINGTON, UNIVERSITY OF Seattle, WA	DE-FG02-07ER64433 07/31/2010 Bitz	SC-23.1	Deep Ocean Heat Uptake and the Influence of Sea Ice in the Southern Ocean	99
WASHINGTON, UNIVERSITY OF Seattle, WA	DE-FG02-07ER64460 08/14/2011 Lettenmaier	SC-23.1	Collaborative Research: Towards Decadal-Scale Prediction of Arctic Climate Using a High-Resolution Regional Arctic Climate System Model	166
WASHINGTON, UNIVERSITY OF Seattle, WA	DE-FG02-07ER64482 08/31/2010 Harwood	SC-23.2	Redirection of Metabolism of Hydrogen Production	180
WASHINGTON, UNIVERSITY OF Seattle, WA	DE-FG02-07ER64485 08/31/2010 Lidstrom	SC-23.2	Coupling Function to Genomics in Microbial Communities Via Single-Cell Analysis	260
WASHINGTON, UNIVERSITY OF Seattle, WA	DE-FG02-05ER15755 05/31/2011 Prezhdo	SC-22.13	Atomistic Real-Time Simulation of Light Harvesting and Charge Transfer Dynamics in Novel Nanoscale Materials for Solar	125
WASHINGTON, UNIVERSITY OF Seattle, WA	DE-FG02-05ER15707 08/31/2010 Harwood	SC-22.13	Biohydrogen production by a photosynthetic bacterium	160
WASHINGTON, UNIVERSITY OF Seattle, WA	DE-FG02-03ER15448 12/14/2009 Torii	SC-22.13	Modes of Action and Functions of ERECTA-family Receptor-like Kinases in Plant Organ Growth and Development	0
WASHINGTON, UNIVERSITY OF Seattle, WA	DE-FG02-96ER14630 03/14/2011 Campbell	SC-22.12	Oxide-Supported Metal Nanoparticles: Correlating Catalytic Kinetics, Energetics and Surface Structure	257
WASHINGTON, UNIVERSITY OF Seattle, WA	DE-FG02-05CH11267 06/30/2009 Chamberlain	SC-23	Equipment Purchase for Research Laboratory	0
WASHINGTON, UNIVERSITY OF 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 Femtosecond Spectroscopies...	300
WASHINGTON, UNIVERSITY OF 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 (*)	213
WASHINGTON, UNIVERSITY OF Seattle, WA	DE-FG02-97ER41020 11/30/2011 Robertson	SC-26.1	Experimental Nuclear Physics	3,971

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WASHINGTON, UNIVERSITY OF Seattle, WA	DE-FG02-97ER41014 10/31/2011 Miller	SC-26.1	Nuclear Theory	740
WASHINGTON, UNIVERSITY OF Seattle, WA	DE-FG02-96ER40956 01/31/2011 Yaffe, Wilkes	SC-25	Theoretical and Experimental Particle Physics	1,261
WASHINGTON, UNIVERSITY OF 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	483
WASHINGTON, UNIVERSITY OF Seattle, WA	DE-FG02-04ER54769 06/14/2012 Slough	SC-24.2	Small Scale Fusion: The Pulsed High Density FRC Experiment	315
WASHINGTON, UNIVERSITY OF Seattle, WA	DE-FG02-04ER54756 12/31/2010 Shumlak	SC-24.2	The ZaP Flow Z-Pinch Project	317
WASHINGTON, UNIVERSITY OF Seattle, WA	DE-FC02-05ER54811 02/28/2011 Jarboe	SC-24.2	RECOVERY ACT: Plasma Center for Computational Predictability at Washington, Wisconsin, and Utah State Universities	827
WASHINGTON, UNIVERSITY OF Seattle, WA	DE-FG02-07ER46452 08/14/2010 Andreev	SC-22.22	Suppression of Superconductivity in Disordered Nano-Systems due to Coulomb Interactions	100
WASHINGTON, UNIVERSITY OF Seattle, WA	DE-FG02-07ER46467 08/31/2010 Jenekhe	SC-22.23	Molecular and Nanoscale Engineering of High Efficiency Polymer and Hybrid Organic/Inorganic Solar Cells	380
WASHINGTON, UNIVERSITY OF 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	398
WASHINGTON, UNIVERSITY OF Seattle, WA	DE-FG02-96ER54361 05/31/2011 Jarboe	SC-24.2	RECOVERY ACT: Helicity Injected Torus (HIT) Current Drive Program	825
WASHINGTON, UNIVERSITY OF Seattle, WA	DE-FG02-96ER54376 01/31/2011 Hoffman	SC-24.2	Rotating Magnetic Field Generation and Sustainment of FRCs Using an Advanced TCS/Upgrade	1,536
WASHINGTON, UNIVERSITY OF Seattle, WA	DE-FG02-98ER54480 12/14/2011 Steinhauer	SC-24.2	Theory of Field-Reversed Configurations	95
WASHINGTON, UNIVERSITY OF Seattle, WA	DE-FG02-99ER54519 03/14/2011 Jarboe	SC-24.2	Solenoid Free Current Initiation and Sustainment by Coaxial Helicity Injection	299
WASHINGTON, UNIVERSITY OF Seattle, WA	DE-FG02-04ER46102 01/31/2010 Sorensen, Ingalls	SC-22.22	Coherent X-Ray Spectroscopy of Solids	0
WASHINGTON, UNIVERSITY OF Seattle, WA	DE-FG02-02ER45987 06/30/2010 Krishnan	SC-22.22	Exchange Anisotropy, Engineered Coercivity and Spintronics in Atomically Engineered L10 Heterostructures	225

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WASHINGTON, UNIVERSITY OF Seattle, WA	DE-FG02-02ER45990 07/14/2011 Rehr	SC-22.22	Scientific Editor, Computational Materials Science Network	55
WASHINGTON, UNIVERSITY OF Seattle, WA	DE-FG02-97ER45623 02/14/2012 Rehr	SC-22.22	Quantitative Photon and Electron Spectroscopy Theory	150
WASHINGTON, UNIVERSITY OF 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	255
Total for WA :				18,789

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UNIVERSITY OF WISCONSIN-MILWAUKEE Milwaukee, WI	DE-FG02-09ER16085 08/31/2011 Saldin	SC-22.13	Fluctuation X-Ray Diffraction of Membrane Proteins in Solution	179
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-96ER54375 11/30/2010 Fonck, Hegna, Corradini	SC-24.2	RECOVERY ACT: Plasma Studies at Near-Unity Aspect Ratio	914
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-99ER54513 10/31/2010 Sawan, Mogahed, Sviatoslavsky,	SC-24.2	Nuclear Technologies for Near Term Fusion Devices	290
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-98ER54462 12/31/2010 El-Guebaly, Henderson, Haynes, Kulcinski	SC-24.2	Fusion Advanced Design Studies	240
WISCONSIN, UNIVERSITY OF 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	175
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-99ER54546 12/31/2010 Hegna	SC-24.2	Theoretical Studies of Near Symmetric Stellarator Plasmas	142
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-00ER54603 12/31/2010 Forest	SC-24.2	Stabilization of Resistive Wall Modes Using Moving Metal Walls	214
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-01ER54619 01/14/2011 Shaing	SC-24.2	Neoclassical Theory and its Applications	160
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-09ER46642 09/14/2012 Ediger	SC-22.22	SISGR - Characterization of High Density/High Stability Glasses	246
WISCONSIN, UNIVERSITY OF 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
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-85ER52122 06/30/2011 Vernon	SC-24.2	High Power Microwave Transmission Systems for Electron-Cyclotron-Resonance Plasma Heating	100
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-93ER54222 01/31/2011 Anderson	SC-24.2	RECOVERY ACT: HSX: A Helically Symmetric Toroidal Experiment	1,709
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-92ER54139 04/30/2011 Callen	SC-24.2	Large Experiment Data Analysis Collaboration	164
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-85ER53212 11/30/2010 Terry	SC-24.2	Theoretical Studies Related to Reversed Field Pinch Physics	191
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-86ER53218 12/31/2012 Hegna	SC-24.2	Nonlinear and Nonideal MHD	276

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WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-89ER53291 12/14/2010 Terry	SC-24.2	Turbulence and Transport in Toroidal Plasmas	155
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-89ER53296 12/31/2010 McKee	SC-24.2	Multifield Fluctuation Diagnostics for Turbulence Studies in Tokamak Plasmas	545
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-08ER46493 06/14/2011 Szulfarska	SC-22.22	Radiation Effects in Nanocrystalline Ceramics: Multi-Scale Model and Experiment	214
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-09ER46590 05/31/2013 Gopalan	SC-22.23	Optical and Electro-Optic Modulation of Biomimetically-Functionalized Nanotubes	215
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-08ER46547 04/30/2012 Voyles	SC-22.21	Characterization of Dopant / Point Defect Complexes in Semiconductors by STEM	220
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-05ER54831 07/14/2010 Forest	SC-24.2	Liquid Metal Studies of Dynamos	250
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FC02-05ER54813 02/28/2011 Sovinec	SC-24.2	RECOVERY ACT: Plasma Science and Innovation Center (PSI-Center) at Washington, Wisconsin, and Utah State Universities	81
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FC02-05ER54814 12/14/2014 Sarff	SC-24.2	Reversed Field Pinch Research in MST	6,189
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-05ER54821 03/14/2011 Pfothenhauer	SC-24.2	Cryogenic Optimization of D2 Pellet Injectors: Preparation for ITER-Scale Fusion Reactors	75
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-06ER54850 04/30/2012 Sovinec	SC-24.2	Transients and Magnetic Relaxation in Innovative Confinement Concepts	100
WISCONSIN, UNIVERSITY OF 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
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-04ER54751 07/31/2010 Santarius	SC-24.2	Investigation of the Feasibility of Plasma-Jet Magnetized-Target Fusion	85
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-07ER54932 07/14/2010 Boldyrev	SC-24.2	Toward the Theory of Turbulence in Magnetized Plasmas	136
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-07ER54939 07/31/2010 Hegna	SC-24.2	Communication Support for U.S. Burning Plasma Organization	83
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FC02-06ER54899 08/14/2011 Schnack	SC-24.2	Center for Wave Interactions With Magnetohydrodynamics	100

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WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-06ER54868 06/30/2011 Schnack	SC-24.2	Transport and Dynamics in Toroidal Fusion Systems	200
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-09ER55049 08/14/2012 Boldyrev	SC-24.2	Study of Nonlinear Interaction and Turbulence of Alfvén Waves in LAPD Experiments	59
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-09ER55011 02/14/2011 Forest	SC-24.2	Feasibility Study for a Plasma Dynamo Facility to Investigate Fundamental Processes in Plasma Astrophysics	30
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-09ER55014 06/14/2012 McKee	SC-24.2	Investigations of Long-Wavelength Turbulence Properties in the Spherical Torus Configuration	230
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FC02-08ER54974 02/14/2011 Schnack	SC-24.2	SciDAC: Center for Extended Magnetohydrodynamic Modeling/Transport and Dynamics in Toroidal Fusion Systems	125
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FC02-08ER54975 02/14/2011 Sovinec	SC-24.2	Center for Extended Magnetohydrodynamic Modeling	132
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-08ER54999 07/31/2011 McKee	SC-24.2	Behavior and Dynamics of Multifield Turbulence in Tokamak Plasmas	180
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FC02-09ER55056 03/14/2012 Forest	SC-24.2	RECOVERY ACT - Plasma Science Center: Center for Momentum Transport and Flow Organization in Plasmas and Magnetofluids: Nonlinear Emergent Structure Formation I	543
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-04ER46147 05/31/2010 Evans	SC-22.21	Picosecond Dynamics in Complex Oxide Nanostructures	167
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-03ER46028 04/30/2013 Lagally	SC-22.23	Group IV Nanomembranes, Nanoribbons, and Quantum Dots: Processing Characterization, and Novel Devices	449
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-06ER46327 07/31/2010 Eom	SC-22.22	Growth and Characterization of Atomic Layer Controlled MgB ₂ Thin Films	150
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-99ER45777 07/31/2011 Chang	SC-22.21	Study of Interfacial Chemistry, Structure, and Properties in Magnetic Tunnel Junctions	168
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-08ER41531 10/31/2010 Ramsey-Musolf	SC-26.1	Fundamental Interactions in Nuclei	325
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-08ER41551 06/30/2011 Heeger	SC-26.1	OJI: Measurement of Neutrino Properties With Bolometric Detectors	154
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FC02-06ER41436 03/31/2011 Livny	SC-25	Sustaining and Extending the Open Science Grid: Science Innovation on a PetaScale Nationwide Facility	1,718

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WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-95ER40896 10/31/2010 Smith	SC-25	RECOVERY ACT: High Energy Physics Research: Experimental, Theoretical, Phenomenology, Mathematical	4,579
WISCONSIN, UNIVERSITY OF 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	72
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-09ER25951 09/14/2012 Livny	SC-21.1	RECOVERY ACT - An Advanced Network and Distributed Storage Laboratory (ANDSL) for Data Intensive Science	1,125
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-09ER25945 09/14/2012 Miller	SC-21.1	Lightweight and Statistical Techniques for Petascale Debugging	76
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-09ER25937 09/14/2012 Miller	SC-21.1	Correctness Tools for Petascale Computing	100
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-09ER25959 09/14/2012 Wright	SC-21.1	RECOVERY ACT - Reconfiguring Power Systems to Minimize Cascading Failures: Models and Algorithms	1,053
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-09ER25964 09/14/2012 Lesieutre	SC-21.1	RECOVERY ACT - Optimization and Control of Electric Power Systems	597
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-09ER25869 11/30/2010 Linderoth	SC-21.1	Optimization Under Nonconvexity and Uncertainty: Algorithms and Software	158
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-08ER25861 08/14/2011 Linderoth	SC-21.1	Next-Generation Solvers for Mixed-Integer Nonlinear Programs: Structure, Search, and Implementation	176
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-08ER25842 08/14/2011 Miller	SC-21.1	A Path to Operating System and Runtime Support for Extreme Scale Tools	347
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FC02-07ER25802 11/14/2011 Miller	SC-21.1	SciCET: Center for Scalable-Performance Application Development Software	135
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-04ER25627 08/31/2011 Mitchell	SC-21.1	BACTER: Bringing Advanced Computational Techniques to Environmental Research	1,400
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FC02-06ER25756 09/14/2011 Livny	SC-21.1	A Center for Enabling Distributed Petascale Science	280
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-09ER16059 08/31/2012 Schmidt	SC-22.11	Modeling Carbon Dioxide Capture and Separation in Zeolitic Imidazolate Frameworks	94
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-09ER16050 07/31/2012 Xu	SC-22.12	Interface Induced Carbonate Mineralization: A Fundamental Geochemical Process Relevant to Carbon Sequestration	74

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WISCONSIN, UNIVERSITY OF 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	225
WISCONSIN, UNIVERSITY OF 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
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-93ER25176 01/31/2010 Miller	SC-21.1	Tools for the Development of High-Performance Energy Applications and Systems	0
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-93ER14389 03/31/2013 Valley	SC-22.12	Ion Microprobe Analysis of Oxygen and Silicon Isotope Ratios in Diagenetic Cements	247
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-88ER13968 04/14/2013 Vierstra	SC-22.13	Molecular Dissection of the Arabidopsis Holo-26S Proteasome	170
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-88ER13938 06/30/2012 Sussman	SC-22.13	Molecular Mechanism of Energy Transduction by Plant Membrane Proteins	125
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-84ER13183 06/30/2011 Dumesic	SC-22.12	Fundamental Studies of the Reforming of Oxygenated Compounds Over Supported Metal Catalysts	168
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-85ER13406 12/31/2009 Casey	SC-22.1	Mechanistic Studies at the Interface Between Organometallic Chemistry and Homogeneous Catalysis	0
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-86ER13500 10/14/2010 Crim	SC-22.11	Dissociation Pathways and Vibrational Dynamics in Excited Molecules and Complexes	155
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-01ER15266 09/14/2009 Jiang	SC-22.13	Structure, Function, and Evolution of Rice Centromeres	0
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-02ER15342 08/31/2011 Bent	SC-22.13	Dissection and Manipulation of LRR Domains in Plant Disease Resistance Gene Products	165
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-99ER14949 10/14/2009 Landis	SC-22.1	Mechanisms and Design in Homogeneous Catalysis	0
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-04ER15527 05/31/2010 Spalding	SC-22.13	Amino Acid-Sensing Ion Channels in Plants	144
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-05ER15690 11/14/2011 Stahl, Brunold	SC-22.12	Mechanisms of Organometallic Aerobic Oxidation Reactions Catalyzed by Copper	155
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-05ER15731 07/14/2011 Mavrikakis	SC-22.12	Atomic-Scale Design of a New Class of Alloy Catalysts for Reactors Involving Hydrogen: A Theoretical and Experimental	290

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WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-07ER15899 08/31/2010 Gilbert	SC-22.12	Mapping of Temporal and Spatial Phase Transitions of CaCO ₃ in Echinoderm Skeletons: Key Insights into Basic Mechanisms in Biomineralization	159
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-09ER64858 08/31/2011 Xu	SC-23.1	The Role of Nanopores on U(VI) Sorption and Redox Behavior in U(VI)-Contaminated Subsurface Sediments	94
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-09ER64840 08/14/2011 Bennartz	SC-23.1	Next Generation Aerosol-Cloud Microphysics for Advanced High-Resolution Climate Predictions	500
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-09ER64754 05/14/2012 Roden	SC-23.1	Physiological Models of Microbial Redox Metabolism in Uranium(VI)-Contaminated Subsurface Sediments	231
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-08ER64593 07/31/2011 Liu	SC-23.1	A Collaborative Proposal: Simulating and Understanding Abrupt Climate-Ecosystem Changes During Holocene With NCAR-CCSM3	120
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-08ER64538 04/14/2011 Turner	SC-23.1	Evaluating Global Aerosol Models and Aerosol and Water Vapor Properties Near Clouds	69
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-06ER64167 12/14/2011 Turner	SC-23.1	Evaluating Radiative Closure in the Middle-to-Upper Troposphere	154
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-06ER64232 12/31/2010 Lindroth	SC-23.1	Impacts of Elevated CO ₂ and O ₃ on Insect-Medicated Ecosystem Processes in a Northern Deciduous Forest	0
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FC02-07ER64494 11/30/2012 Donohue	SC-23.2	Great Lakes Bioenergy Research Center	27,939
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-07ER64495 09/14/2010 Noguera	SC-23.2	Networks Impacting Solar-Powered Hydrogen Production	200
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-07ER64434 01/09/2009 DeWeaver	SC-23.1	Dynamics of Arctic and Sub-Arctic Climate and Atmospheric Circulation: Diagnosis of Mechanisms and Biases Using Data Assimilation	-161
WISCONSIN, UNIVERSITY OF Milwaukee, WI	DE-FG02-07ER64428 07/14/2010 Kravtsov	SC-23.1	Collaborative Research: Regional Climate-Change Projections Through Next-Generation Empirical and Dynamical	72
WISCONSIN, UNIVERSITY OF Milwaukee, WI	DE-FG02-07ER64382 03/31/2011 Saffarini	SC-23.2	Integrated Genome-Based Studies of Shewanella Ecophysiology	224
WISCONSIN, UNIVERSITY OF Milwaukee, WI	DE-FG02-09ER16114 09/14/2012 Ourmazd	SC-22.11	SISGR - Structure From Fleeting Illumination of Faint Spinning Objects in Flight	239
WISCONSIN, UNIVERSITY OF Milwaukee, WI	DE-FG02-84ER45076 10/31/2010 Saldin	SC-22.21	Electron Scattering from Surfaces	104

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
WISCONSIN, UNIVERSITY OF Milwaukee, WI	DE-FG02-06ER46328 08/14/2010 Gajdardziska-Josifov	SC-22.21	Atomic and Electronic Structure of Polar Oxide Interfaces	0
WISCONSIN, UNIVERSITY OF Milwaukee, WI	DE-FG02-05ER46228 08/14/2012 Li	SC-22.21	Tailoring Magnetism in Epitaxial Graphene on SiC	185
WISCONSIN, UNIVERSITY OF Milwaukee, WI	DE-FG02-06ER46277 03/14/2011 Lyman	SC-22.21	Probing Surfaces and Nanostructures with Surface X-ray Diffraction: Application of a Direct Method for the Visualization of	278
			Total for WI :	61,513

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
VIRGINIA UNIVERSITY RES. CORP. Morgantown, WV	DE-FG02-06ER46299 07/31/2012 Bajura	SC-22.21	Direct Utilization of Coal Syngas in High Temperature Fuel Cells: Debradation Mechanisms and Lifetime Predictions	1,250
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	404
VIRGINIA UNIVERSITY RES. CORP. Morgantown, WV	DE-FG02-08ER46507 06/30/2011 Lederman	SC-22.21	Hydrogen Absorption in Pd-Based Nanostructures	10
VIRGINIA UNIVERSITY RES. CORP. Morgantown, WV	DE-FG02-08ER46505 06/30/2011 DiFazio	SC-22.21	Land Reclamation for Bioenergy: Genomics of Adaptation of Populus to Marginal Sites	15
VIRGINIA UNIVERSITY RES. CORP. Morgantown, WV	DE-FG02-06ER64148 11/14/2010 Cumming	SC-23.2	Exudation by Poplar Ectomycorrhizas: Qualitative and Quantitative Assessment of C Sequestration	0
Total for WV :				1,679

OFFICE OF SCIENCE
Information Management for Office of Science (IMSC)
Listing of Awards for State (WY)

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
WYOMING, UNIVERSITY OF Laramie, WY	DE-FG02-06ER15825 08/31/2010 Eggleston	SC-22.12	Waveguide Scanning Photocurrent Microscopy (WaSPM): A New Molecular Imaging and Characterization Tool	0
WYOMING, UNIVERSITY OF Laramie, WY	DE-FG02-06ER15823 08/31/2010 Eggleston	SC-22.12	Redox Interaction of Cytochromes and Bacteria with Oxide Surfaces: Probing Redox-Linked Conformation Change	0
WYOMING, UNIVERSITY OF Laramie, WY	DE-FG02-08ER15972 08/31/2011 Parkinson	SC-22.13	A Combinatorial Approach to Realization of Efficient Water Photoelectrolysis	306
WYOMING, UNIVERSITY OF Laramie, WY	DE-FG02-08ER15979 11/30/2011 Roddick	SC-22.13	Highly Oxidizing Excited States	0
WYOMING, UNIVERSITY OF Laramie, WY	DE-FG02-09ER46614 08/14/2012 Naughton	SC-22.21	Investigation of Dynamic Aerodynamics and Control of Wind Turbine Sections Under Relevant Inflow/Blade Attitude Conditions	405
WYOMING, UNIVERSITY OF Laramie, WY	DE-FG02-06ER64272 12/31/2009 Hulme	SC-23.2	Expansion and Enhancement of the Wyoming Coalbed Methane Clearinghouse Website to the Wyoming Energy Resources Information Clearinghouse	0
WYOMING, UNIVERSITY OF Laramie, WY	DE-FG02-05ER64069 06/30/2010 Wang	SC-23.1	Using Radar, Lidar, and Radiometer Measurements to Classify Cloud Type and Study Middle-Level Cloud Properties	0
Total for WY :				711
Grand Total:				1,089,