

OFFICE OF SCIENCE

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

OFFICE OF SCIENCE
Information Management for Office of Science (IMSC)
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

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

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

OFFICE OF SCIENCE
Information Management for Office of Science (IMSC)
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

OFFICE OF SCIENCE
Information Management for Office of Science (IMSC)
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

OFFICE OF SCIENCE
Information Management for Office of Science (IMSC)
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-FG02-04ER15603 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

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

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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

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

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

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

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

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

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

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

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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

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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	DIID-D Edge Physics and Disruptions	1,000
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FC02-07ER54908 01/14/2012 Krasheninnikov	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 Krasheninnikov	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 Krasheninnikov	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

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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
FORNIA, 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
FORNIA, UNIV. OF SANTA BARBARA Santa Barbara, CA	DE-FG02-02ER45994 12/31/2012 Stemmer	SC-22.21	Phonons and Electrons in Thin Complex Oxides	180
FORNIA, UNIV. OF SANTA BARBARA Santa Barbara, CA	DE-FG02-07ER46434 08/14/2010 Van de Walle	SC-22.22	Computational Studies of Hydrogen Interfaces with Storage Materials	135
FORNIA, UNIV. OF SANTA BARBARA Santa Barbara, CA	DE-FG02-06ER46314 07/31/2010 Safinya	SC-22.23	Miniaturized Hybrid Materials Inspired by Nature	200
FORNIA, UNIV. OF SANTA BARBARA Santa Barbara, CA	DE-FC02-06ER41437 03/14/2011 Sugar	SC-25	National Computational Infrastructure for Lattice Gauge Theory	30

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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 Date	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 Clsassical 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 Robtics "DARS"	0
SOUTHERN CALIFORNIA, UNIV. OF Los Angeles, CA	DE-FG02-07ER64385 05/31/2010 Nealson	SC-23.2	Integrated Genome-Based Studies of Shewanella 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

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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 Durlafsky	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

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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 Neutron 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

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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

OFFICE OF SCIENCE
Information Management for Office of Science (IMSC)
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-FG02-07ER64464 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

OFFICE OF SCIENCE
Information Management for Office of Science (IMSC)
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-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

OFFICE OF SCIENCE
Information Management for Office of Science (IMSC)
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

OFFICE OF SCIENCE
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

OFFICE OF SCIENCE
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
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

OFFICE OF SCIENCE
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
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

OFFICE OF SCIENCE
Information Management for Office of Science (IMSC)
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 Sulfer-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

OFFICE OF SCIENCE
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

OFFICE OF SCIENCE
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-FG02-03ER46038 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-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

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

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

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

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

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

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 Wiedenhoefer	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

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

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 Phillipot	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

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

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

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

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

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

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

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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

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

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

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

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

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

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

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

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

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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

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

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

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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

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

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

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

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

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

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

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

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

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

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

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

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

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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

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

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

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

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 Quadrupole using Metal Oxide Insulated CICC	0

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

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

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

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

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

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

OFFICE OF SCIENCE

Information Management for Office of Science (IMSC)

Listing of Awards for State (MI)

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 - EFRG: Solar Energy Conversion in Complex Materials (SECCM) -- EFRG	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

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

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

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

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

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

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

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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

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

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

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

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

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

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

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

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

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

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

OFFICE OF SCIENCE
Information Management for Office of Science (IMSC)
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

OFFICE OF SCIENCE
Information Management for Office of Science (IMSC)
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

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

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

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

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

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

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

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

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

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

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

OFFICE OF SCIENCE
Information Management for Office of Science (IMSC)
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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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

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

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

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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

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

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

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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

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

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

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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

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

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

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

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

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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

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

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

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

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

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

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

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

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

OFFICE OF SCIENCE
Information Management for Office of Science (IMSC)
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

OFFICE OF SCIENCE
Information Management for Office of Science (IMSC)
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-FG02-09ER64757 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

OFFICE OF SCIENCE
Information Management for Office of Science (IMSC)
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

OFFICE OF SCIENCE
Information Management for Office of Science (IMSC)
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 -- EFRS	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

OFFICE OF SCIENCE
Information Management for Office of Science (IMSC)
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

OFFICE OF SCIENCE
Information Management for Office of Science (IMSC)
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

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

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

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

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

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

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

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

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

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

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

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

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

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

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
TEXAS 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

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

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

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

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

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

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

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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

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

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

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

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

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

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

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

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

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

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

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

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

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

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 -- EFRS	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

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

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

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

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

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

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

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

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

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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 Ananlysis	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

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2009
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

OFFICE OF SCIENCE
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
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

OFFICE OF SCIENCE
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 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

OFFICE OF SCIENCE
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 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

OFFICE OF SCIENCE
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 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

OFFICE OF SCIENCE
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 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

OFFICE OF SCIENCE
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 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

OFFICE OF SCIENCE
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

OFFICE OF SCIENCE
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,