

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 2006
ALASKA, UNIVERSITY OF Fairbanks, AK	DE-FG02-03ER63530 08/31/2006 Sassen	SC-23.3	Improved Arctic Cloud and Aerosol Research and Model Parameterizations	0
ALASKA, UNIVERSITY OF Fairbanks, AK	DE-FG02-04ER54741 12/14/2009 Newman	SC-24.2	Investigations of the Dynamics of Self-Consistent Models for Turbulent Transport and Implications for Transport	99
			Total for AK :	99

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Listing of Awards for State (AL)

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
ALABAMA A&M UNIVERSITY Normal, AL	DE-FG02-05CH11306 03/31/2008 ILA	SC-23	Renovation of Integrated Environmental Research and Services (IERS) Facility	0
ALABAMA A&M UNIVERSITY Normal, AL	DE-FG02-06ER25746 08/14/2009 Qian	SC-21.1	Alliance for Computational Science Collaboration: HBCU Partnership at Alabama A&M University Continuing High Performance	90
ALABAMA, UNIVERSITY OF Huntsville, AL	DE-FG02-05ER46187 11/30/2007 McNider	SC-22.21	Radiative Effects of Hygroscopic Aerosols in the Stable Nocturnal Boundary Layer, with Implications for Climate Trends	150
ALABAMA, UNIVERSITY OF Huntsville, AL	DE-FG02-06ER46268 12/31/2008 Cassibry	SC-22.21	Theoretical Investigation of Plasma Jets Driven Magneto-Inertial Fusion Using Smooth Particle Hydrodynamics	138
ALABAMA, UNIVERSITY OF Tuscaloosa, AL	DE-FG02-04ER46112 01/31/2007 Stancu	SC-22.21	MiniBoONE Neutrino Physics at the University of Alabama	61
ALABAMA, UNIVERSITY OF Tuscaloosa, AL	DE-FG07-96ER62321 03/14/2004 Roden	SC-23.4	Advanced Experimental Analysis of Controls on Microbial Fe(III) Oxide Reduction	-8
ALABAMA, UNIVERSITY OF Tuscaloosa, AL	DE-FG07-01ER63266 09/14/2004 Rogers	SC-23.4	A New Class of Solvents for TRU Dissolution and Separation: Ionic Liquids	-1
ALABAMA, UNIVERSITY OF Tuscaloosa, AL	DE-FG02-01ER45867 06/30/2008 April	SC-22.21	Nanostructure Catalysts for Fuel Cells	400
ALABAMA, UNIVERSITY OF Tuscaloosa, AL	DE-FG02-03ER46039 08/15/2007 Pandey	SC-22.21	Oxide Ferromagnetic Semiconductors for Spin-Electronic Transport	0
ALABAMA, UNIVERSITY OF Tuscaloosa, AL	DE-FG02-01ER41166 03/14/2010 Piepke	SC-26.1	Low Energy Neutrino Physics	202
ALABAMA, UNIVERSITY OF Tuscaloosa, AL	DE-FG02-03ER41261 07/31/2007 Stancu	SC-26.1	MiniBoONE Neutrino Physics	0
ALABAMA, UNIVERSITY OF Tuscaloosa, AL	DE-FG02-96ER40967 04/14/2011 Busenitz	SC-25	Research in Neutrino Physics	268
ALABAMA, UNIVERSITY OF Tuscaloosa, AL	DE-FG02-86ER13465 01/14/2010 Kispert	SC-22.13	Magnetic Resonance and Optical Spectroscopic Studies of Carotenoids	130
ALABAMA, UNIVERSITY OF Tuscaloosa, AL	DE-FG02-96ER14673 01/31/2007 Rogers	SC-22.1	Alternative (Potentially Green) Separations Media: Aqueous Biphasic and Related Systems - Extending the Frontier	89
ALABAMA, UNIVERSITY OF Tuscaloosa, AL	DE-FG02-00ER15097 05/31/2008 Redding	SC-22.13	A Combined Genetic, Biochemical, and Biophysical Analysis of the Phylloquinones in Photosystem I from a Green Alga	130

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
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	46
ALABAMA, UNIVERSITY OF Tuscaloosa, AL	DE-FG02-05ER63989 12/31/2006 Rogers	SC-23.4	A New Class of Solvents for TRU Dissolution and Separation: Ionic Liquids	144
ALABAMA, UNIVERSITY OF Tuscaloosa, AL	DE-FG02-04ER63915 08/31/2005 Roden	SC-23.4	Reaction-Based Reactive Transport Modeling of Iron Reduction and Uranium Immobilization at Area 2 of the NABIR	-37
ALABAMA, UNIVERSITY OF Tuscaloosa, AL	DE-FG02-05ER63948 10/17/2005 Roden	SC-23.4	Integrated Nucleic Acid System for In-Field Monitoring of Microbial Community Dynamics and Metabolic Activity	-77
ALABAMA, UNIVERSITY OF Tuscaloosa, AL	DE-FG02-04ER63908 08/31/2008 Williamson	SC-23.3	Assessment of Metrological, Seasonal, & Land Mgmt Influences on Spatial Representatives & Ecosystem-Level Scaling	198
BAMA, UNIVERSITY OF BIRMINGHAM Birmingham, AL	DE-FG02-06CH11435 12/31/2007 Marchase	SC-23	Acquisition of Neuron-Imaging fMRI and 3 Tesla Head-Only fMRI Systems	1,251
AUBURN UNIVERSITY Auburn, AL	DE-FG02-06ER54901 07/31/2009 Robicheaux	SC-24.2	Collaborative Research: Experimental and Theoretical Study of the Plasma Physics of Antihydrogen Generation and Trapping	42
AUBURN UNIVERSITY Auburn, AL	DE-FG02-06ER54869 05/31/2007 Oks	SC-24.2	Publishing Costs for Proceedings Booklets for the 18th International Conference on Spectral Line Shapes (Auburn, AL - June 5-9, 2006)	5
AUBURN UNIVERSITY Auburn, AL	DE-FG02-06ER54872 05/31/2008 Thomas	SC-24.2	Support for the 11th Workshop on the Physics of Dusty Plasmas - June 28 - July 1, 2006	5
AUBURN UNIVERSITY Auburn, AL	DE-FG02-05ER54826 05/14/2008 Lin	SC-24.2	Gyrokinetic Electron and Fully-Kinetic Ion Particle Simulation of Collisionless Plasma Dynamics	100
AUBURN UNIVERSITY Auburn, AL	DE-FG02-05ER54819 09/14/2011 Pindzola	SC-24.2	Computational Atomic and Molecular Physics for Transport Modeling of Fusion Plasmas	200
AUBURN UNIVERSITY Auburn, AL	DE-FG02-03ER54692 10/31/2011 Hanson	SC-24.2	Equilibrium Reconstruction and Magnetic Field Studies in Stellarators	119
AUBURN UNIVERSITY Auburn, AL	DE-FG02-00ER54610 11/30/2010 Knowlton	SC-24.2	MHD Equilibrium and Stability Studies of Current-Carrying Plasmas in the Compact Toroidal Hybrid	431
AUBURN UNIVERSITY Auburn, AL	DE-FG02-00ER54577 10/31/2010 Thomas	SC-24.2	Multi-Scale Investigation of Sheared Flows in Magnetized Plasmas	80
AUBURN UNIVERSITY Auburn, AL	DE-FG02-96ER54348 12/31/2010 Pindzola	SC-24.2	Theoretical Atomic and Molecular Physics for Controlled Fusion Energy	113

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
AUBURN UNIVERSITY Auburn, AL	DE-FG02-02ER45963 12/31/2004 Shannon	SC-22.22	Emerging Materials and Technology for Energy Conversion	0
AUBURN UNIVERSITY Auburn, AL	DE-FG02-00ER15069 01/31/2012 Robicheaux	SC-22.1	Coherent and Incoherent Transitions	40
AUBURN UNIVERSITY Auburn, AL	DE-FG02-01ER15187 08/31/2010 Albrecht-Schmitt	SC-22.1	Structure-Property Relationships in Novel Actinide Compounds with Heavy Oxoanions	130
AUBURN UNIVERSITY Auburn, AL	DE-FG02-01ER15255 10/31/2006 Roberts	SC-22.1	Controllable Synthesis, Deposition and Separation of Nanoparticles Using CO2-Expanded Liquids and Supercritical	50
AUBURN UNIVERSITY Auburn, AL	DE-FG02-06ER64213 12/31/2009 Clement	SC-23.4	Development of Modeling Methods and Tools for Predicting Coupled Reactive Transport Processes in Porous Media Under Multiple Scales	275
SOUTH ALABAMA, UNIVERSITY OF Mobile, AL	DE-FG02-96ER40970 04/14/2009 Jenkins	SC-25	Experimental High Energy Physics Group	34
SOUTH ALABAMA, UNIVERSITY OF Mobile, AL	DE-FG02-02CH11115 06/30/2008 Hammack, Galbraith, Kreisberg	SC-23	Congressionally-Mandated Construction Project, "USA Cancer Research Institute Clinical Building"	481
TROY STATE UNIVERSITY Troy, AL	DE-FG02-04ER54792 07/31/2008 Podder	SC-24.2	Experimental Study of Shock Wave Dynamics in Magnetized Plasmas	150
TUSKEGEE UNIVERSITY Tuskegee, AL	DE-FG02-06ER25745 08/14/2009 Ibrahim	SC-21.1	Computational Modeling of Circulating Fluidized Bed Reactors	199
Total for AL :				5,628

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Listing of Awards for State (AR)

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
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	120
ARKANSAS, UNIVERSITY OF Fayetteville, AR	DE-FG02-06ER15801 06/30/2007 Vicic	SC-22.12	Mild Catalytic Methods for Alkyl-Alkyl Bond Formation	130
ARKANSAS, UNIVERSITY OF Fayetteville, AR	DE-FG02-02ER45965 12/31/2005 Naseem	SC-22.22	Investigation of Low Temperature Crystallization and Doping of Silicon Using Various Excitation Sources for Solar	0
ARKANSAS, UNIVERSITY OF Fayetteville, AR	DE-FG02-05ER46188 11/30/2008 Bellaiche	SC-22.21	Properties of Ferroelectric Nanostructures: A Combined Theoretical and Experimental Approach	144
ARKANSAS, UNIVERSITY OF Little Rock, AR	DE-FG02-06CH11379 10/01/2009 Gehring, Gray	SC-23	Construction of a Cancer Research and Clinical Facility at Arkansas Cancer Research Center (ACRC)	962
Total for AR :				1,356

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Listing of Awards for State (AZ)

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
ARIZONA STATE UNIVERSITY Tempe, AZ	DE-FG02-05ER64033 03/31/2008 Rittmann	SC-23.4	Subsurface Immobilization of Plutonium: Experimental and Model Validation Studies	72
ARIZONA STATE UNIVERSITY Tempe, AZ	DE-FG02-04ER63704 07/31/2005 Fernando	SC-23.3	Vertical Transport and Mixing in Complex Terrain Airsheds	-8
ARIZONA STATE UNIVERSITY Tempe, AZ	DE-FG02-05ER63976 04/14/2007 Wang	SC-23.4	Portable Analyzer Based on Microfluidics/Nanoengineered Electrochemical Sensors for in Situ Characterization of Mixed Wastes	50
ARIZONA STATE UNIVERSITY Tempe, AZ	DE-FG02-03ER15393 08/14/2009 Gust, Moore, Moore	SC-22.13	Supramolecular Structures for Photochemical Energy Conversion	352
ARIZONA STATE UNIVERSITY Tempe, AZ	DE-FG02-03ER15425 08/31/2007 Rez	SC-22.1	The Electronic Structure of Lithium Battery Materials	30
ARIZONA STATE UNIVERSITY Tempe, AZ	DE-FG02-04ER15505 11/30/2008 Williams	SC-22.12	A SIMS Study of the Chemical Dynamics of Organic/Inorganic Interactions in Sedimentary Basins	135
ARIZONA STATE UNIVERSITY Tempe, AZ	DE-FG02-04ER15550 10/14/2006 Blankenship	SC-22.13	Structure, Function and Reconstitution of Antenna Complexes From Green Photosynthetic Bacteria	140
ARIZONA STATE UNIVERSITY Tempe, AZ	DE-FG02-04ER15543 05/31/2011 Vermaas	SC-22.13	Chlorophyll Synthesis and Stability in Cyanobacteria	140
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	121
ARIZONA STATE UNIVERSITY Tempe, AZ	DE-FG02-99ER20349 09/14/2009 Webber	SC-22.13	Excitation energy transfer in the photosystem I	120
ARIZONA STATE UNIVERSITY Tempe, AZ	DE-FG02-04ER46168 06/30/2011 McCartney	SC-22.21	Nanoscale Imaging of Electrostatic and Magnetic Fields	150
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-FG02-06ER46302 07/31/2009 van Schilfgaarde	SC-22.22	Theoretical Calculations of Spin Dynamical Susceptibility in Magnets	144
ARIZONA STATE UNIVERSITY Tempe, AZ	DE-FG02-06ER46345 08/14/2010 Drucker	SC-22.23	Science of Nanowire Epitaxy	145
ARIZONA STATE UNIVERSITY Tempe, AZ	DE-FG02-01ER45943 03/14/2011 Tao	SC-22.22	Electrical, Mechanical and Thermal Properties of Single Molecules	127

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
ARIZONA STATE UNIVERSITY Tempe, AZ	DE-FG02-02ER45996 08/31/2009 Spence	SC-22.21	Automated Nanocrystallography	149
ARIZONA, UNIVERSITY OF Tucson, AZ	DE-FC02-06ER41439 03/14/2011 Toussaint	SC-25	SciDAC - National Computational Infrastructure for Lattice Gauge Theory	25
ARIZONA, UNIVERSITY OF Tucson, AZ	DE-FG02-06ER41449 05/14/2009 Fleming	SC-26.1	Effective Field Theories and Strong Interactions	60
ARIZONA, UNIVERSITY OF Tucson, AZ	DE-FC02-06ER41452 03/14/2008 Burrows	SC-25	Computational Astrophysics Consortium: 3. Supernovae, Gamma-Ray Bursts, and Nucleosynthesis	100
ARIZONA, UNIVERSITY OF Tucson, AZ	DE-FG02-93ER45488 10/31/2010 Falco	SC-22.22	Nanostructured Magnetic Materials	101
ARIZONA, UNIVERSITY OF Tucson, AZ	DE-FG02-04ER41298 01/31/2010 Rutherford, Sarcevic, Toussaint	SC-25	University of Arizona High Energy Physics Program	1,095
ARIZONA, UNIVERSITY OF Tucson, AZ	DE-FC02-01ER41184 07/14/2007 Burrows	SC-25	SciDAC Supernova Science Center	0
ARIZONA, UNIVERSITY OF Tucson, AZ	DE-FG02-04ER41318 03/31/2010 Rafelski, Thews	SC-26.1	Research in Theoretical High Energy Nuclear Physics at the University of Arizona	122
ARIZONA, UNIVERSITY OF Tucson, AZ	DE-FG02-04ER41319 03/31/2010 Sarcevic	SC-26.1	Research in Theoretical Nuclear and Neutrino Physics	41
ARIZONA, UNIVERSITY OF Tucson, AZ	DE-FG02-04ER41338 07/31/2010 van Kolck	SC-26.1	Effective Theories of the Strong Interaction	72
ARIZONA, UNIVERSITY OF Tucson, AZ	DE-FG02-99ER20338 09/14/2011 Vierling	SC-22.13	Hsp100/ClpB Chaperone Function and Mechanism	150
ARIZONA, UNIVERSITY OF Tucson, AZ	DE-FG02-04ER15616 08/31/2009 Schumaker	SC-22.13	Specificity in Calcium-Mediated Plant Development: the Role of Calcium-Binding Protein Interactions	130
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	220
ARIZONA, UNIVERSITY OF Tucson, AZ	DE-FG02-02ER25533 08/14/2008 Restrepo	SC-21.1	Particle and Blood Cell Dynamics in Oscillatory Flows	0
ARIZONA, UNIVERSITY OF Tucson, AZ	DE-FG02-03ER25577 08/31/2008 Kunyansky	SC-21.1	Asymptotically Optimal, High-Order Accurate Algorithms for the Solution of Certain Elliptic PDEs	0

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
ARIZONA, UNIVERSITY OF Tucson, AZ	DE-FG02-04ER15596 07/14/2009 Wirth	SC-22.12	Linear and Nonlinear Spectroscopic Probing of Solute Interactions with Chemically Modified Silica Surfaces	123
ARIZONA, UNIVERSITY OF Tucson, AZ	DE-FG02-04ER15551 07/31/2009 Hawes	SC-22.13	Structural and Functional Analysis of a Factor Controlling Growth and Development (FGD) in Higher Plants	120
ARIZONA, UNIVERSITY OF Tucson, AZ	DE-FG02-03ER15438 07/31/2009 Yadegari	SC-22.13	Analysis of the Composition and Function of the Arbidopsis FIS2 Polycom-Group Complex	130
ARIZONA, UNIVERSITY OF Tucson, AZ	DE-FG02-95ER14546 01/31/2009 Pemberton	SC-22.1	Vibrational Spectroscopy of Chromatographic Interfaces	250
ARIZONA, UNIVERSITY OF Tucson, AZ	DE-FG02-05CH11330 09/30/2008 Ruiz	SC-23	Environment and Natural Resources Facility - Phase II Planning	962
ARIZONA, UNIVERSITY OF Tucson, AZ	DE-FG02-02CH11114 12/31/2006 Powell, Baldwin	SC-23	Continuation of Infrastructure for the Institute for Biomedical Science and Biotechnology at the University of Arizona	0
ARIZONA, UNIVERSITY OF Tucson, AZ	DE-FG02-06ER64190 01/31/2009 Chorover	SC-23.4	Coupling Sorption to Soil Weathering During Reactive Transport: Impacts of Mineral Transformation and Sorbate Aging on Contaminant Speciation and Mobility	309
NORTHERN ARIZONA UNIVERSITY Flagstaff, AZ	DE-FG02-04ER63883 08/14/2008 Schwartz	SC-23.3	Can Soil Genomics Predict the Impact of Precipitation on Nitrous Oxide (N2O) Fluxes From Soil?	387
NORTHERN ARIZONA UNIVERSITY Flagstaff, AZ	DE-FC02-06ER64159 11/30/2010 Hungate	SC-23.3	Western Regional Center of the National Institute for Climatic Change Research	1,858
Total for AZ :				8,222

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FG02-03ER63584 11/14/2006 Davidson	SC-23.2	Animal Gene Regulatory Networks	1,104
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FG02-02ER63455 11/30/2006 Wold	SC-23.2	Functional Annotation of Genes and Regulatory Sequences on Human Chromosome 19	0
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FG02-05ER63983 12/31/2010 Seinfeld	SC-23.3	Mechanisms of Formation of Secondary Organic Aerosols and Implications for Global Radiative Forcing	199
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FG02-06ER64310 08/31/2009 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-FG02-01ER45950 09/30/2008 Fultz	SC-22.21	ARCS A High-Resolution Chopper Spectrometer at the SNS	2,609
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FG02-03ER46055 07/14/2009 Fultz	SC-22.23	Vibrational Entropy Studies Using Inelastic Neutron Scattering	420
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FG02-06ER41427 08/31/2009 Hitlin	SC-25	Cerium Doped LSO/LYSO Crystal Development for Future High Energy Physics Experiments	45
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FG02-99ER45766 08/14/2011 Eisenstein	SC-22.22	Thermal Transport in Correlated Low Dimensional Electrons Systems	131
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FG02-92ER40701 10/31/2010 Hitlin	SC-25	High Energy Physics	3,858
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FG02-05ER41361 12/31/2007 Ramsey-Musolf	SC-26.1	Fundamental Interactions in Nuclei	288
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FG02-05ER41359 02/29/2008 Newman	SC-25	LHCNet: Wide Area Networking and Collaborative Systems for HENP	2,435
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FG02-04ER41316 05/31/2008 Ellis	SC-25	Understanding the Fundamental Properties of Dark Matter & Dark Energy in Structure Formation and Cosmology	140
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FG02-04ER46175 09/14/2010 Heath	SC-22.23	Quantum Dot and Quantum Wire Solids	160
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FG02-03ER54711 08/14/2007 Bellan	SC-24.2	Investigations of Solar Prominence Dynamics Using Laboratory Simulations	0
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FG02-04ER54755 01/31/2010 Bellan	SC-24.2	Determining How Spheromak Self-Organization Works	338

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands)
				FY 2006
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FC02-05ER54849 01/14/2011 Cummings	SC-24.2	SciDAC - Center for Plasma Edge Simulation	80
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FG02-02ER25529 08/14/2006 Candes	SC-21.1	Geometrical Multiscale Analysis: Applications to Scientific Computing and Partial Differential Equations	0
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FG02-04ER25613 09/14/2007 Newman	SC-21.1	LambdaStation: Exploiting Advanced Networks in Data Intensive High Energy Physics Applications	0
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FG02-05ER25657 09/14/2008 Desbrun	SC-21.1	Applied Geometry	96
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FG02-05ER25661 03/31/2006 Sterling	SC-21.1	A Framework for Adaptable Operating and Runtime Systems	-117
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FG02-06ER25725 03/31/2009 Hou	SC-21.1	Multiscale Analysis and Computation for Flows in Heterogeneous Media	108
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	232
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FC02-01ER25507 09/14/2007 Sterling	SC-21.1	Center for Programming Models for Scalable Parallel Computing	0
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FG02-04ER15601 07/31/2008 Davis	SC-22.12	Supported Moleuclar Catalysts: Synthesis, In-Situ Characterization and Performance	120
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	225
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FG02-05ER15716 12/31/2008 Goddard	SC-22.12	Polymer Functionalized Zeolite Proton Exchange Membranes (PFZ-PEM) for Medium Temperature (<299C) Fuel Cells	300
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-FG02-06ER15773 04/30/2009 Stolper	SC-22.12	Experimental Petrology and Geochemistry of Volatile-Bearing Silicate Melts	167
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	180
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FG02-00ER15035 01/14/2007 Fultz	SC-22.1	The Science of Electrode Materials for Lithium Batteries	50

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FG02-97ER14814 11/14/2010 McKoy	SC-22.1	Electron-Driven Processes in Polyatomic Molecules	125
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FG02-02ER15359 06/14/2007 Winkler	SC-22.13	Elucidating Mechanisms of Protein Folding and Enzyme Assembly in Lipid Bilayers	0
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FG02-85ER13431 08/31/2009 Bercaw	SC-22.1	Synthetic and Mechanistic Investigation of Polymerization Catalyzed for Early Transition Metal Compounds	185
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FG02-85ER13445 04/30/2006 Stolper, Epstein	SC-22.1	Infrared Spectroscopy and Stable Isotope Geochemistry of Hydrrous Silicate Glasses	0
CALIFORNIA INST. OF TECHNOLOGY Pasadena, CA	DE-FG02-88ER13873 03/20/2009 Meyerowitz	SC-22.13	Regulation of Plant Cells, Cell Walls, and Development by Mechanical Signals	170
CALIFORNIA ST. UNIV. EAST BAY Hayward, CA	DE-FG02-05ER15657 04/30/2010 Balasubramanian	SC-22.11	Electronic Structure of Transition Metal Clusters, Actinide Complexes and Their Reactivity	105
CALIFORNIA ST. UNIV. FULLERTON Fullerton, CA	DE-FG02-04ER15597 01/31/2012 Feagin	SC-22.11	Reaction Imaging and the Molecular Coulomb Continuum	56
CALIFORNIA ST. UNIV. L. BEACH Long Beach, CA	DE-FG02-03ER25571 08/31/2007 Kim	SC-21.1	Nonlinear Boundary Value Problems Arising in Multidimensional Conservation Laws and in Morphogenesis	0
CALIFORNIA ST. UNIV. LA Los Angeles, CA	DE-FG02-02ER45981 05/14/2009 Rezayi	SC-22.22	Numerical Studies of Collective Phenomena in Two-Dimensional Electron and Cold Atom Systems	58
CALIFORNIA ST. UNIV. N. RIDGE Northridge, CA	DE-FG02-87ER40347 03/31/2009 Seki	SC-26.1	Nuclear Lattice Calculation	53
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	157
CALIFORNIA ST. UNIV. N. RIDGE Northridge, CA	DE-FG02-06ER46305 08/31/2009 Sheng	SC-22.22	Numerical Investigations of Novel Charge and Spin Hall Effects in Graphene and Other Spin-Orbit Coupling Electron Systems	101
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-05ER46194 10/31/2008 Dynes	SC-22.22	Spatial Instabilities, Homogeneities, and Proximity Effects: Highly Correlated Metals	100
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-04ER54750 03/31/2010 Wirth	SC-24.2	A Multiscale Investigation of the Mechanisms Controlling Materials Degradation in the Fusion Energy Environment	200
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-06ER54904 07/31/2009 Fajans	SC-24.2	Collaborative Research: Experimental and Theoretical Study of the Plasma Physics of Antihydrogen Generation and Trapping	267

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CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-04ER41304 12/14/2009 Crawford	SC-26.1	Investigation of Rare Particles and Parton Distributions in High Energy Nuclear Collisions	335
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-04ER41336 07/31/2009 Nomura	SC-25	Symmetry Breaking, Unification, and Theories Beyond the Standard Model	50
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-04ER41289 09/14/2011 Wurtele	SC-25	Advanced Accelerator Concepts	275
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-03ER41279 08/31/2007 Kolomensky	SC-25	Precision RF Beam Position Monitors for Measuring Beam Position and Tilt	35
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-00ER41129 04/14/2009 Freedman	SC-26.1	Medium Energy Nuclear Physics	385
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-00ER41138 02/28/2009 Freedman	SC-26.1	US Participation in the KamLAND Experiment	285
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FC02-06ER41453 03/14/2011 McKee	SC-25	Supernovae, Gamma Ray Bursts, and Nucleosynthesis	125
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-02ER46008 08/31/2006 Gronsky	SC-22.21	Directed Self-Disassembly of Spatially-Restricted Internalized Second Phases	0
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-FC02-06ER25753 09/14/2011 Yelick	SC-21.1	Center for Programming Models for Scalable Parallel Computing	811
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	135
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-04ER15602 10/31/2008 Long	SC-22.1	Cluster-Expanded Solids: A Strategy for Assembling Functional Porous Materials	130
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-05ER15637 01/31/2010 Wenk	SC-22.12	Extracting Geological Stresses and Anisotropy from Rocks by means of Neutron Diffraction	149
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FC02-01ER25509 05/31/2007 Yelick	SC-21.1	Center for Programming Models for Scalable Parallel Computing	0
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-01ER25445 07/14/2007 Frenklach	SC-21.1	Collaboratory for Multi-Scale Chemical Science	0

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CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-04ER15552 06/30/2010 Luan	SC-22.13	Immunophilins in Photosystem II Assembly and Maintenance	120
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-04ER15507 07/31/2008 Banfield	SC-22.12	Microbial metabolism and the nature of metal sulfide biomineralization products	122
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-03ER15479 10/14/2007 Iglesia	SC-22.12	Early Transition Metal Oxides of Catalysts: Crossing Scales From Clusters to Single Crystals to Functioning	85
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-01ER15218 01/31/2009 Banfield	SC-22.1	How Do Interfacial Phenomena Control Nanoparticle Structure?	199
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-88ER13917 05/14/2008 Staskawicz	SC-22.13	Biochemical Characterization and Functional Role of the Arabidopsis NDR1 Protein in Bacterial Disease Resistance	130
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-87ER13742 06/30/2009 Quail	SC-22.13	Phytochrome from Green Plants: Properties and Biological Function	280
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-06ER64308 08/31/2009 Baldocchi	SC-23.3	Quantifying & Understanding Interannual Variability of Carbon, Water, and Energy Exchange of an Oak Savanna & an Annual	249
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	703
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-03ER63592 09/14/2009 Coates	SC-23.4	Uranium Immobilization Through Fe(II) Bio-oxidation: A Column Study	274
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-03ER63614 09/30/2007 Coates	SC-23.4	Anaerobic U(IV) Bio-oxidation and the Resultant Remobilization of Uranium in Contaminated Sediments	55
CALIFORNIA, UNIV. OF BERKELEY Berkeley, CA	DE-FG02-03ER63668 08/31/2007 Sachs	SC-23.2	Modeling the Interrelations Among Radiation-Induced Bystander Effects, Genomic Instability, and Cancer	0
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-04ER63912 08/31/2010 Six	SC-23.3	Physico-Chemical and Bio-Chemical Controls on Soil C Saturation Behavior	116
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-97ER14749 01/31/2011 Navrotsky	SC-22.1	Thermodynamics of Minerals Stable Near the Earth's Surface	197
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 Photoion-Photoelectron Methods	145
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-02ER15315 10/31/2011 Orel	SC-22.11	Electron-Driven Excitation and Dissociation of Molecules	95

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CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-01ER15145 04/14/2005 Rock	SC-22.1	Electrochemical Measurements and Theoretical Predictions of the Thermodynamic Properties of Carbonate and Oxide Minerals	0
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-03ER15447 09/14/2009 Abel	SC-22.13	The Phosphate Starvation Response Pathway in Arabidopsis thaliana	130
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-03ER15439 08/14/2007 Sinha	SC-22.13	Functional analysis of KNOX transcription factors in the bryophyte Physcomitrella patens	50
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-03ER15416 07/31/2009 Callis	SC-22.13	The Role of Rub (Related to Ubiquitin) Family of Proteins in Regulating Proteolysis	130
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	0
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-03ER15392 06/30/2009 Harada	SC-22.13	Regulation of Embryonic Development in Higher Plants	130
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-04ER15513 02/14/2010 Gates	SC-22.12	Dynamic Characterization of Structure and Bonding in Supported Molecular Catalysts	130
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-04ER15498 11/30/2009 Rustad	SC-22.12	The Impact of Carbonate on Surface Protonation, Electron Transfer, and Crystallization Reactions in Iron Oxide	137
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-04ER15553 07/14/2008 Doi	SC-22.13	Structure, Function and Regulation of the Clostridium cellulovorans Cellulosome	135
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-04ER15554 08/31/2010 Liu	SC-22.13	Roles of microtubule-based motors in plant growth	120
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-04ER15568 11/14/2010 Rundle	SC-22.1	Collaborative Research: Failure of Rock Masses From Nucleation and Growth of Microscopic Defects and Disorder	150
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FC02-01ER25473 12/14/2006 Puckett	SC-21.1	An Algorithmic and Software Framework for Applied Partial Differential Equations	47
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-94ER20134 04/14/2009 Lucas	SC-22.13	Cellular and Molecular Characterization of Vascular Plasmodesmata	130
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-05ER15639 01/31/2009 Rustad	SC-22.12	How Do Interfacial Phenomena Control Nanoparticle Structure?	81
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-04ER15600 07/31/2007 Gates	SC-22.12	Supported Molecular Catalysts: Synthesis, In-Situ Characterization and Performance	140

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CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-05ER15667 08/14/2011 Navrotsky	SC-22.1	Energetics of Nanomaterials	110
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-05ER15668 07/31/2009 Britt	SC-22.13	G2 checkpoint responses in Arabidopsis	120
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-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-FC02-06ER25793 09/14/2011 Bai	SC-21.1	Next Generation Multi-Scale Quantum Simulation Software for Strongly Correlated Materials	436
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-FG02-03ER25568 02/28/2007 Faller	SC-21.1	Combining Multi-scale and Density of States Simulation Techniques for Simulations of Various Glass Formers	0
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-03ER25579 06/14/2009 Puckett, Miller	SC-21.1	Development of High-Order Accurate Interface Tracking Algorithms and Improved Constitutive Models for Problems in Continuum Mechanics	280
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-04ER25609 08/14/2009 Owens	SC-21.1	A Programming Framework for Scientific Applications on CPU-GPU Systems	97
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-03ER46053 06/30/2009 Navrotsky	SC-22.23	Thermochemistry of Anion Defect and Charge Coupled Substitutions in Fluorite and Perovskite Based Materials	389
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	114
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-97ER45640 11/14/2009 Cox	SC-22.22	Theoretical Studies of Correlated Molecules and Solids	90
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-91ER40674 12/31/2009 Ko	SC-25	High Energy Particle Physics Research	1,474
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-03ER41280 08/31/2009 Pellett	SC-25	Radiation Damage Studies of Materials and Electronic Devices Using Hadrons	14
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FC02-01ER41202 09/14/2007 Ma	SC-25	Advanced Computing for 21st Century Accelerator Science and Technology	55

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CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-01ER63237 11/14/2006 Goldberg	SC-23.2	Evaluation of Genomic and Proteomic Responses to LDIR Exposure in Patients Receiving Therapeutic Radiation	0
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-03ER54732 02/28/2009 Hwang	SC-24.2	Development of High Density Compact Toroid Injector for Central Refueling	397
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-05ER54817 09/14/2007 Ma	SC-24.2	Advanced Visualization Technology for Gyrokinetic Particle Simulations	56
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	165
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-04ER46111 01/31/2010 Pickett	SC-22.22	Theory of Real Correlated Electron Materials	207
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-06ER46262 11/14/2009 Galli	SC-22.22	Semiconductor Nanostructures by Scientific Design	200
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-06ER46282 04/30/2011 Asta	SC-22.21	Computational Studies of Solid-Liquid Interfaces	150
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-06ER46340 08/14/2009 Kuhl	SC-22.21	Structure-Property Relationships of Polymer Brushes in Restricted Geometries and their Utilization as Ultra-Low	228
CALIFORNIA, UNIV. OF DAVIS Davis, CA	DE-FG02-99ER54518 02/28/2009 Luhmann	SC-24.2	Millimeter-Wave Density Fluctuation Diagnostics for NSTX	332
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	378
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	90
CALIFORNIA, UNIV. OF IRVINE Irvine, CA	DE-FG02-04ER46107 12/31/2009 Yu	SC-22.22	Glasses, Noise and Phase Transitions	60
CALIFORNIA, UNIV. OF IRVINE Irvine, CA	DE-FG02-04ER46174 08/31/2010 Chernyshev	SC-22.22	Excitation and Thermal Transport in Quantum Magnets	50
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	115
CALIFORNIA, UNIV. OF IRVINE Irvine, CA	DE-FC02-04ER54796 08/14/2007 Lin	SC-24.2	Center for Gyrokinetic Particle Simulations of Turbulent Transport in Burning Plasmas	196

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CALIFORNIA, UNIV. OF IRVINE Irvine, CA	DE-FC02-06ER54860 01/14/2011 Lin	SC-24.2	SciDAC - Center for Plasma Edge Simulation	59
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	142
CALIFORNIA, UNIV. OF IRVINE Irvine, CA	DE-FG02-03ER54720 08/14/2009 Heidbrink	SC-24.2	Fast-Ion Studies in the Large Plasma Devices	100
CALIFORNIA, UNIV. OF IRVINE Irvine, CA	DE-FG02-02ER54681 08/14/2011 Heidbrink	SC-24.2	Beam Ion Studies in NSTX	139
CALIFORNIA, UNIV. OF IRVINE Irvine, CA	DE-FG02-06ER54867 04/14/2009 Heidbrink	SC-24.2	Fast-Ion D-Alpha Diagnostic for NSTX	25
CALIFORNIA, UNIV. OF IRVINE Irvine, CA	DE-FG02-06ER54877 12/31/2008 Wessel	SC-24.2	Instability Control in a Staged Z-Pinch	50
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	150
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	99
CALIFORNIA, UNIV. OF IRVINE Irvine, CA	DE-FG02-06ER41408 01/31/2007 Feng	SC-25	SUSY06: The 14th International Conference on Supersymmetry and the Unification of Fundamental Interactions (June 12-17,	15
CALIFORNIA, UNIV. OF IRVINE Irvine, CA	DE-FG02-03ER46071 02/14/2008 Dennin	SC-22.23	Understanding Foam Rheology from the Microscopic to the Macroscopic Scale	110
CALIFORNIA, UNIV. OF IRVINE Irvine, CA	DE-FG02-03ER46036 02/14/2010 Lawrence	SC-22.21	Neutron Scattering Studies of Rare Earth Valence Fluctuation Compounds	175
CALIFORNIA, UNIV. OF IRVINE Irvine, CA	DE-FG02-91ER40679 01/31/2010 Sobel	SC-25	A Research Program in Neutrino Physics, Cosmic Rays, and Elementary Particles	2,920
CALIFORNIA, UNIV. OF IRVINE Irvine, CA	DE-FG02-04ER15595 02/28/2009 Ho	SC-22.11	Spectroscopic Imaging Toward Space-Time Limit	150
CALIFORNIA, UNIV. OF IRVINE Irvine, CA	DE-FG02-04ER15611 08/31/2007 Wu	SC-22.12	First Principles Investigations and Simulations for Growth and Catalytic Properties of Au Nanoclusters on Oxide Surfaces	100
CALIFORNIA, UNIV. OF IRVINE Irvine, CA	DE-FG02-06ER15826 08/31/2009 Ho	SC-22.11	Time-Resolved Single-Molecule Chemical Imaging Studies of Interfacial Electron Transfer	100

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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-FG02-86ER13514 06/14/2010 Evans	SC-22.1	Advancing Chemistry with F Elements	155
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-FG02-05ER64000 12/31/2010 Finlayson-Pitts	SC-23.3	Formation of Secondary Organic Aerosols (SOA) via Nitrate Ion Photochemistry In and On Particles	220
CALIFORNIA, UNIV. OF IRVINE Irvine, CA	DE-FG02-03ER63648 08/31/2007 Redpath	SC-23.2	Low Dose Suppression of Neoplastic Transformation in vitro	185
CALIFORNIA, UNIV. OF IRVINE Irvine, CA	DE-FG02-03ER63598 12/31/2006 Mukherjee	SC-23.2	PET Imaging Agents for Nicotine Receptors	0
CALIFORNIA, UNIV. OF IRVINE Irvine, CA	DE-FG02-05ER64083 06/30/2008 Redpath	SC-23.2	Molecular Mechanisms of Suppression of Neoplastic Transformation by Low Doses of Low LET Radiation	287
CALIFORNIA, UNIV. OF LA Los Angeles, CA	DE-FG02-05ER64011 01/31/2011 Paulson	SC-23.3	Optical Properties and Mass Measurements of Representative Aerosols	200
CALIFORNIA, UNIV. OF LA Los Angeles, CA	DE-FG02-06ER64224 03/31/2009 Miller	SC-23.2	Fourteenth-Sixteenth Microbial Genomics Conference - 2006-2008	60
CALIFORNIA, UNIV. OF LA Los Angeles, CA	DE-FG02-06ER64249 09/14/2010 Phelps	SC-23.2	Institute for Molecular Medicine Research Program	6,736
CALIFORNIA, UNIV. OF LA Los Angeles, CA	DE-FG02-04ER63724 11/14/2010 Liou	SC-23.3	Characterization of 3D Cirrus Cloud and Radiation Fields Using ARM/AIRS/MODIS Data and Its Application to Climate Models	111
CALIFORNIA, UNIV. OF LA Los Angeles, CA	DE-FG02-04ER63726 11/14/2006 Gruber	SC-23.3	Carbon Sequestration by Patch Fertilization: A Comprehensive Assessment Using Coupled	121
CALIFORNIA, UNIV. OF LA Los Angeles, CA	DE-FC02-02ER63420 12/31/2006 Phelps	SC-23.2	Institute for Molecular Medicine Research Program	0
CALIFORNIA, UNIV. OF LA Los Angeles, CA	DE-FC02-02ER63421 12/31/2009 Eisenberg	SC-23.2	UCLA-DOE Institute for Genomics and Proteomics	1,791
CALIFORNIA, UNIV. OF LA Los Angeles, CA	DE-FG02-04ER63881 09/14/2008 Ghil	SC-23.3	Studies of Regional-Scale Climate Variability and Change: Hidden Markov Models and Coupled Ocean-Atmosphere Modes	108

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CALIFORNIA, UNIV. OF LA Los Angeles, CA	DE-FG02-04ER15584 06/30/2007 Gunsalus	SC-22.13	Molecular Biology and Genetics of the Acetate-Utilizing Methanogenic Bacteria	240
CALIFORNIA, UNIV. OF LA Los Angeles, CA	DE-FG02-04ER15529 08/31/2010 Merchant	SC-22.13	Molecular Genetic Dissection of Chloroplast Iron Homeostasis	120
CALIFORNIA, UNIV. OF LA Los Angeles, CA	DE-FG02-06ER15813 07/31/2007 Yaghi	SC-22.12	Metal-Organic Frameworks for Highly Selective Separations	148
CALIFORNIA, UNIV. OF LA Los Angeles, CA	DE-FG02-97ER20263 04/30/2007 Goldberg	SC-22.13	Suspensor Differentiation During Early Plant Embryo Development	0
CALIFORNIA, UNIV. OF LA Los Angeles, CA	DE-FG02-91ER40662 01/14/2010 Cline	SC-25	Experimental and Theoretical High Energy Physics	1,895
CALIFORNIA, UNIV. OF LA Los Angeles, CA	DE-FG02-88ER40420 01/31/2012 Nefkens	SC-26.1	UCLA Intermediate Energy Nuclear and Particle Physics Research	186
CALIFORNIA, UNIV. OF LA Los Angeles, CA	DE-FG02-88ER40424 01/31/2012 Whitten	SC-26.1	Intermediate Energy and Relativistic Heavy Ion Group	736
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	147
CALIFORNIA, UNIV. OF LA Los Angeles, CA	DE-FG02-03ER46049 05/31/2006 Kivelson	SC-22.22	Local and Macroscopic Properties of Stripe Ordered Conductors	-52
CALIFORNIA, UNIV. OF LA Los Angeles, CA	DE-FG02-03ER46077 09/14/2007 Przystupa	SC-22.21	Microstructural Characterization of Dislocation Networks During Harper-Dorn Creep of fcc, bcc, and hcp Metals and Alloys	0
CALIFORNIA, UNIV. OF LA Los Angeles, CA	DE-FG02-06ER41428 08/31/2007 Saltzberg	SC-25	Development of a Low-Power, Low-Cost, Front-End Electronics Module for Large-Scale Distributed Neutrino Detectors	50
CALIFORNIA, UNIV. OF LA Los Angeles, CA	DE-FG02-06ER41431 08/31/2008 Wallny	SC-25	Fabrication and Testing of Single Crystal Chemical Vapor Deposition Diamonds for Detector Applications	55
CALIFORNIA, UNIV. OF LA Los Angeles, CA	DE-FC02-01ER41179 03/14/2007 Mori	SC-25	Advanced Computing for 21st Century Accelerator Science and Technology- Renewal Proposal	85
CALIFORNIA, UNIV. OF LA Los Angeles, CA	DE-FG02-92ER40693 10/31/2009 Rosenzweig, Pellegrini	SC-25	Theoretical and Experimental Studies in Accelerator Physics	780
CALIFORNIA, UNIV. OF LA Los Angeles, CA	DE-FG02-92ER40695 10/31/2011 Cline	SC-25	Advanced Accelerator Physics Research at UCLA	380

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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	1,250
CALIFORNIA, UNIV. OF LA Los Angeles, CA	DE-FG02-06ER54888 07/31/2009 Decyk	SC-24.2	Collaborative Research: Simulation of Beam Electron Cloud Interactions in Circular Accelerators Using Plasma Models	25
CALIFORNIA, UNIV. OF LA Los Angeles, CA	DE-FG02-06ER54905 07/31/2009 Stenzel	SC-24.2	Whistler Spheromaks and EMHD Turbulence	140
CALIFORNIA, UNIV. OF LA Los Angeles, CA	DE-FG02-06ER54906 07/31/2009 Niemann	SC-24.2	Laser Driven Shock Waves in a Large Magnetized Plasma	150
CALIFORNIA, UNIV. OF LA Los Angeles, CA	DE-FG02-01ER63251 09/14/2007 Ghil	SC-23.3	Predictive Understanding of the Oceans' Wind-Driven Circulation on Interdecadal Time Scales	144
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	1,013
CALIFORNIA, UNIV. OF LA Los Angeles, CA	DE-FG02-03ER54721 08/14/2009 Mori	SC-24.2	Continuation of Full-Scale Three-Dimensional Numerical Experiments on High-Intensity Particle and Laser Beam Matter Interactions	100
CALIFORNIA, UNIV. OF LA Los Angeles, CA	DE-FG02-03ER54717 08/14/2007 Gekelman	SC-24.2	Studies of Flows in Plasmas	0
CALIFORNIA, UNIV. OF LA Los Angeles, CA	DE-FG02-03ER54719 08/14/2007 Ghoniem	SC-24.2	Development of Robust IFE Laser Mirrors and Multi-Scale Modeling of Pulsed Radiation Effects	0
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	409
CALIFORNIA, UNIV. OF LA Los Angeles, CA	DE-FG02-04ER54737 12/31/2006 Cowley	SC-24.2	Theory of Fusion Plasmas	108
CALIFORNIA, UNIV. OF LA Los Angeles, CA	DE-FG02-04ER54740 01/14/2008 Decyk	SC-24.2	Computer Modeling of Microturbulence and Macro-stability Properties of Magnetically Confined Plasmas	300
CALIFORNIA, UNIV. OF LA Los Angeles, CA	DE-FG02-04ER54760 02/14/2007 Wong	SC-24.2	A New Approach to Heating, Fueling, Diagnosis & Control of Magnetized Plasmas Using Neutralized Ion Beams	50
CALIFORNIA, UNIV. OF LA Los Angeles, CA	DE-FC02-04ER54797 09/14/2007 Decyk	SC-24.2	Center for Gyrokinetic Particle Simulation of Turbulent Transport in Burning Plasmas	78
CALIFORNIA, UNIV. OF LA Los Angeles, CA	DE-FC02-04ER54785 07/31/2009 Carter	SC-24.2	Fusion Science Center: The Center for Multiscale Plasma Dynamics	524

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CALIFORNIA, UNIV. OF LA Los Angeles, CA	DE-FG02-06ER46276 03/14/2009 Miao	SC-22.21	Three-Dimensional Imaging of Nanoscale Materials by Using Coherent X-rays	196
CALIFORNIA, UNIV. OF LA Los Angeles, CA	DE-FG02-99ER54527 02/28/2009 Peebles	SC-24.2	Cross-Cutting Research Studies on the National Spherical Torus Experiment	318
CALIFORNIA, UNIV. OF LA Los Angeles, CA	DE-FG02-86ER53225 07/31/2006 Taylor	SC-24.2	Studies of Particle Confinement and MHD Stability in ET	0
CALIFORNIA, UNIV. OF LA Los Angeles, CA	DE-FG02-86ER52123 12/31/2010 Abdou	SC-24.2	Predictive Capabilities, Analysis and Experiments for Fusion Plasma Chamber Systems Research	1,980
CALIFORNIA, UNIV. OF MERCED Atwater, CA	DE-FG02-03ER63586 09/14/2006 Traina	SC-23.4	Contaminant Organic Complexes: Their Structure and Energetics in Surface Decontamination	0
CALIFORNIA, UNIV. OF MERCED Merced, CA	DE-FG02-04ER63833 11/30/2006 O'Day	SC-23.4	Caustic Waste-Soil Weathering Reactions and their Impacts on Trace Contaminant Migration and Sequestration	0
CALIFORNIA, UNIV. OF MERCED Merced, CA	DE-FG02-06ER64192 01/31/2009 O'Day	SC-23.4	Coupling Sorption to Soil Weathering During Reactive Transport: Impacts of Mineral Transformation and Sorbate Aging	200
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	130
CALIFORNIA, UNIV. OF MERCED Merced, CA	DE-FG02-04ER25625 08/31/2009 Colvin	SC-21.1	A Center for Computational Biology	984
CALIFORNIA, UNIV. OF OAKLAND Oakland, CA	DE-FC02-03ER63613 08/31/2007 Gates	SC-23.3	National Institute for Global Environmental Change	0
CALIFORNIA, UNIV. OF RIVERSIDE Riverside, CA	DE-FG02-06ER46296 07/14/2010 Wu	SC-22.22	Atomic Density Functional Theory for Crystal Nucleation and Growth	159
CALIFORNIA, UNIV. OF RIVERSIDE Riverside, CA	DE-FG02-04ER46131 04/14/2010 Mohideen	SC-22.22	Investigating the Material Property Dependences in the Casimir Force for Applications in Semiconductor Nanomechanical Systems	124
CALIFORNIA, UNIV. OF RIVERSIDE Riverside, CA	DE-FG02-04ER46138 04/14/2010 Haddon	SC-22.23	Solid State Electronic Structure and Properties of Neutral Carbon-Based Radicals	234
CALIFORNIA, UNIV. OF RIVERSIDE Riverside, CA	DE-FG02-94ER40837 01/31/2012 Wimpenny, Ma, Gary	SC-25	High Energy Physics	1,152
CALIFORNIA, UNIV. OF RIVERSIDE Riverside, CA	DE-FG02-04ER41325 06/30/2010 Barish	SC-26.1	SPIN PHYSICS WITH PHENIX AT RHIC	141

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CALIFORNIA, UNIV. OF RIVERSIDE Riverside, CA	DE-FG02-86ER40271 12/31/2011 Seto, Barish	SC-26.1	Central Collisions of Heavy Ions	418
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	130
CALIFORNIA, UNIV. OF RIVERSIDE Riverside, CA	DE-FG02-05ER15649 06/14/2009 Springer	SC-22.13	Transcription Factors Expressed in Lateral Organ Boundaries: Identification of Downstream Targets	120
CALIFORNIA, UNIV. OF RIVERSIDE Riverside, CA	DE-FG02-06ER15784 05/31/2007 Bartels	SC-22.12	Symposium "Dynamics and Reactivity of Individual Molecules/Clusters" to be Held at ACS National Meeting - September 10-14,	8
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	120
CALIFORNIA, UNIV. OF RIVERSIDE Riverside, CA	DE-FG02-03ER15472 09/14/2009 Zaera	SC-22.12	Molecular-level Design of Heterogeneous Chiral Catalysts	670
CALIFORNIA, UNIV. OF RIVERSIDE Riverside, CA	DE-FG02-03ER15464 09/14/2009 Bartels	SC-22.12	Controlling Structural, Electronic, and Energy Flow Dynamics of Catalytic Processes Through Tailored Nanostructures	160
CALIFORNIA, UNIV. OF RIVERSIDE Riverside, CA	DE-FG02-05ER63984 12/31/2010 Ziemann	SC-23.3	Hygroscopicity and CCN Activity of Secondary & Processed Primary Organic Aerosols	4
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-04ER63857 09/14/2008 Miller	SC-23.3	Predictability and Diagnosis of Low-Frequency Climate Processes in the Pacific	180
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-04ER63865 07/31/2008 Zhang	SC-23.3	Evaluating the Representation and Impact of Convective Momentum Transport in CCSM Atmosphere Model	52
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-04ER63898 08/31/2007 Keeling	SC-23.3	A Study of the Abundance & $^{13}\text{C}/^{12}\text{C}$ Ratio of Atmospheric Carbon Dioxide to Advance the Scientific Understanding of Terrestrial Processes Regulating the GCC	340
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-04ER63722 11/14/2006 Barbeau	SC-23.3	Characterizing the Production and Retention of Dissolved Iron as Fe(II) Across a Natural Gradient in Chlorophyll	0
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-03ER63532 12/14/2009 Zhang	SC-23.3	Improving Convection Parameterization Using ARM Observations and NCAR Community Atmosphere Model	112
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-03ER63538 12/14/2007 Lubin	SC-23.3	A Study of Arctic Cloud and Aerosol Using AERI Data: Radiative Properties, Thermodynamic Phase, and a Search for the	0
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-03ER15449 09/14/2009 Schroeder	SC-22.13	Molecular and Genetic Basis of Sodium/Potassium Transport and Distribution in Plants	175

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CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-04ER15537 06/30/2007 O'Connor	SC-22.12	Exploring New Modes of Uranium Reactivity: Synthesis and Characterization of Novel Uranium Complexes with Tripodal Chelators	125
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-01ER15146 05/31/2005 Smith	SC-22.13	Analysis of the Localization and Function of TANGLED, a Protein Required for Spatial Control of Cytokinesis in Plant Cells	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	132
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-02ER15311 12/31/2005 Weare	SC-22.1	First Principles Simulation of the Supercritical Behavior of Ore Forming Fluids	0
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FC02-01ER25486 08/14/2007 Ludaescher, Moore	SC-21.1	Scientific Data Management Integrated Software Infrastructure Center	0
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	150
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	268
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-05ER25679 05/31/2008 Pevzner	SC-21.1	RECOMB Conference Support - 2005	10
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-04ER25634 09/14/2007 Snavelly	SC-21.1	PetaScale Application Development Analysis	50
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-04ER25598 06/30/2007 Snavelly	SC-21.1	PetaScale Execution Time Evaluation	300
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-90ER40546 12/31/2009 Kuti, Branson, Sharma, Griest	SC-25	Elementary Particle Physics	1,380
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-FC02-06ER25785 09/14/2011 Reynolds	SC-21.1	Towards Optimal Petascale Simulations (TOPS)	80
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FC02-01ER41186 07/14/2007 Fuller	SC-26.1	Shedding New Light on Exploding Stars: TeraScale Simulations of Neutrino-Driven Supernovae and Their Nucleosynthesis	0
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-04ER41348 02/28/2007 Paar	SC-25	Dual-Readout Calorimetry for High-Quality Energy Measurements	0

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CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-03ER46084 08/14/2007 Sinha	SC-22.21	Neutron and X-Ray Scattering Studies of Magnetic Films and Nanostructures	0
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-04ER46105 11/30/2009 Maple	SC-22.22	Superconductivity and Magnetism in d- and f-Electron Materials	299
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	131
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG03-86ER45230 11/30/2003 Maple	SC-22.22	Superconductivity and Magnetism in d- and f-Electron Materials	0
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	120
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-06ER54871 05/31/2009 Tynan	SC-24.2	Nonlinear Drift Turbulence-Zonal Flow Interactions in a Laboratory Plasma Device	246
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-01ER63252 09/14/2010 Cessi	SC-23.3	The Role of Eddy-Transport in the Thermohaline Circulation	204
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-01ER63148 07/14/2007 Palenik, Brahmasha	SC-23.2	Transport and Its Regulation in Marine Microorganisms: A Genomics-Based Approach	0
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-97ER62338 11/30/2007 Somerville	SC-23.3	Single-Column Modeling, GCM Parameterizations and ARM Data	0
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-06ER54852 02/28/2009 Krashennnikov	SC-24.2	Basic Physical Processes Involving Dust in Fusion Plasmas	100
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-05ER54842 08/14/2008 Beg	SC-24.2	High Energy Density Physics and Applications with a State-of-the-Art Compact X-Pinch	327
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	108
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-04ER54804 08/14/2009 Rosenberg	SC-24.2	Dust-Plasma Interactions	90
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-04ER54757 12/31/2009 Najmabadi, Raffray, Tillack, Mau	SC-24.2	Advanced Design Program (ARIES)	919
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-04ER54758 04/30/2007 Moyer, Boedo	SC-24.2	DIID-D Edge Plasma Disruptions and Radiative Processes	585

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CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-04ER54773 04/14/2007 Tynan	SC-24.2	Integrated Study of the Nonlinear Dynamics of Collisional Drift Turbulence	120
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-03ER54731 03/14/2009 Boedo, Moyer	SC-24.2	Edge Physics Studies on the NSTX Spherical Tokamaks	120
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-04ER54734 04/30/2007 Conn, Najmabadi, Tynan	SC-24.2	UCSD PISCES and Plasma Surface Interaction Theory and Modeling	1,790
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	552
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-04ER54739 01/14/2010 Krashennnikov	SC-24.2	Turbulence, Structures, and Macroscopic Transport in Edge, SOL, and Divertor Plasmas	243
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-04ER46177 09/14/2006 Schuller	SC-22.22	Acquisition of an In-House X-ray Scattering Facility for Nanostructure Characteristics and Student Training	0
CALIFORNIA, UNIV. OF SAN DIEGO La Jolla, CA	DE-FG02-04ER46135 10/14/2007 Tsimring	SC-22.23	Modeling for Process Control: High-Dimensional Systems	159
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	100
CALIFORNIA, UNIV. OF SAN FRAN San Francisco, CA	DE-FG02-03ER63688 05/31/2007 Balmain	SC-23.2	An Expression Array Strategy to Identify Mouse Strain-Specific DNA Damage Response Pathways in Mammary Tissue	90
CALIFORNIA, UNIV. OF SAN FRAN San Francisco, CA	DE-FG02-03ER63630 01/31/2009 Balmain	SC-23.2	Identification of Mouse Genetic Susceptibility to Radiation Carcinogenesis	390
CALIFORNIA, UNIV. OF SAN FRAN San Francisco, CA	DE-FG02-05ER64010 01/14/2007 Franc	SC-23.2	Development of a Therapeutic Radionuclide Tumor-Targeting Strategy Using an Intracellular Localization Mechanism	0
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-FG02-06ER46324 05/14/2008 Heeger	SC-22.2	Functional Interfaces in Polymer-Based Bulk Heterojunction Solar Cells: Establishment of a Cluster for	200
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	630
FORNIA, UNIV. OF SANTA BARBARA Santa Barbara, CA	DE-FG02-04ER46176 08/31/2007 Cheetham	SC-22.23	Host-Guest Interactions in Materials for Hydrogen Separations and Storage	188

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FORNIA, UNIV. OF SANTA BARBARA Santa Barbara, CA	DE-FG02-05ER54830 06/30/2007 Odette	SC-24.2	12th International Conference on Fusion Reactor Materials (ICFRM-12) - (December 4-9, 2005)	0
FORNIA, UNIV. OF SANTA BARBARA Santa Barbara, CA	DE-FG02-90ER61062 10/31/2006 Gautier	SC-23.3	Understanding Radiative Processes in Realistic Cloud and Aerosol Distributions	20
FORNIA, UNIV. OF SANTA BARBARA Santa Barbara, CA	DE-FC02-06ER41437 03/14/2011 Sugar	SC-25	National Computational Infrastructure for Lattice Gauge Theory	15
FORNIA, UNIV. OF SANTA BARBARA Santa Barbara, CA	DE-FG02-87ER45331 10/31/2010 Israelachvili	SC-22.23	Properties of Surfaces and Films over Large Length and Time Scales	246
FORNIA, UNIV. OF SANTA BARBARA Santa Barbara, CA	DE-FG02-06ER41423 08/14/2007 Gross	SC-25	LHC Olympics Workshop and String Phenomenology 2006 Conference, August 7 - December 15, 2006	20
FORNIA, UNIV. OF SANTA BARBARA Santa Barbara, CA	DE-FG02-03ER46080 03/14/2008 Ahlers, Cannell	SC-22.23	Heat Transport by Turbulent Rayleigh-Benard Convection	182
FORNIA, UNIV. OF SANTA BARBARA Santa Barbara, CA	DE-FG02-03ER46048 11/30/2004 Scalapino, Sugar	SC-22.22	Competing Phases and Basic Mechanisms in Strongly-Correlated Electron Systems	0
FORNIA, UNIV. OF SANTA BARBARA Santa Barbara, CA	DE-FG02-02ER46006 05/30/2009 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 08/31/2009 Stemmer	SC-22.21	Microstructural Origins of the Dielectric Behavior of Ferroelectric Thin Films	120
FORNIA, UNIV. OF SANTA BARBARA Santa Barbara, CA	DE-FG02-02ER45986 12/31/2005 Spaldin	SC-22.22	Design of the First Ferromagnetic Piezoelectric	0
FORNIA, UNIV. OF SANTA BARBARA Santa Barbara, CA	DE-FC02-01ER41182 03/14/2007 Sugar	SC-25	SciDAC: National Computational Infrastructure for Lattice Gauge Theory	0
FORNIA, UNIV. OF SANTA BARBARA Santa Barbara, CA	DE-FG02-91ER40618 03/31/2011 Richman	SC-25	UCSB High Energy User Group	2,084
FORNIA, UNIV. OF SANTA BARBARA Santa Barbara, CA	DE-FG02-04ER25621 08/31/2009 Petzold	SC-21.1	Multiscale Simulation Algorithms for Biochemical Systems	195
FORNIA, UNIV. OF SANTA BARBARA Santa Barbara, CA	DE-FG02-04ER25632 09/14/2008 Gilbert	SC-21.1	PetaScale Application Development Analysis	200
FORNIA, UNIV. OF SANTA BARBARA Santa Barbara, CA	DE-FG02-05ER25704 08/14/2008 Leal	SC-21.1	Localized Scale Coupling and New Educational Paradigms in Multiscale Mathematics and Science	128

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FORNIA, UNIV. OF SANTA BARBARA Santa Barbara, CA	DE-FG02-05ER15725 07/14/2009 Seshadri	SC-22.12	Nanostructured Catalysts for the Hydrogen Economy	455
FORNIA, UNIV. OF SANTA BARBARA Santa Barbara, CA	DE-FG02-06ER15797 05/31/2007 Gross	SC-22.11	Attosecond Science Workshop - July 31 - September 15, 2006	10
FORNIA, UNIV. OF SANTA BARBARA Santa Barbara, CA	DE-FG02-06ER15835 08/31/2009 Buratto	SC-22.12	Chemical Imaging with 100nm Spatial Resolution	262
FORNIA, UNIV. OF SANTA BARBARA Santa Barbara, CA	DE-FG02-04ER15506 11/30/2006 Ford	SC-22.1	Studies Relevant to Catalytic Activation of Small Molecules	130
FORNIA, UNIV. OF SANTA BARBARA Santa Barbara, CA	DE-FG02-04ER15544 07/14/2009 Finkelstein	SC-22.13	ABI8: Prototype of a novel signaling factor	120
FORNIA, UNIV. OF SANTA BARBARA Santa Barbara, CA	DE-FG02-03ER15467 09/14/2009 Scott	SC-22.12	Hierarchical Design of Supported Organometallic Catalysis for Hydrocarbon Transformations: Structures and Dynamics of Active Sites	550
FORNIA, UNIV. OF SANTA BARBARA Santa Barbara, CA	DE-FG02-03ER15441 12/14/2009 Wodtke	SC-22.11	Electronically Non-Adiabatic Interactions in Molecule Metal-Surface Scattering: Can We Trust the Born-Oppenheimer	0
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	145
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	94
FORNIA, UNIV. OF SANTA BARBARA Santa Barbara, CA	DE-FG02-03ER63696 09/14/2007 Kennett	SC-23.3	Effects of Oceanic Disposal of Carbon Dioxide on Benthic Microfauna as Indicators of Dissolution and Ecosystem Health	0
FORNIA, UNIV. OF SANTA BARBARA Santa Barbara, CA	DE-FG02-05ER63949 11/14/2007 Holden	SC-23.4	Stabilization of Plutonium in Subsurface Environments via Microbial Reduction and Biofilm Formation	81
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	219
ALIFORNIA, UNIV. OF SANTA CRUZ Santa Cruz, CA	DE-FG02-04ER15530 03/31/2007 Wu	SC-22.12	High Resolution/High Fidelity Seismic Imaging and Parameter Estimation for Geological Structure and Material	326
ALIFORNIA, UNIV. OF SANTA CRUZ Santa Cruz, CA	DE-FC02-06ER25768 12/14/2011 Long	SC-21.1	Petascale of Data Storage Institute	299
ALIFORNIA, UNIV. OF SANTA CRUZ Santa Cruz, CA	DE-FC02-01ER41176 07/14/2007 Woosley	SC-25	SciDAC Center for Supernova Research	0

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ALIFORNIA, UNIV. OF SANTA CRUZ Santa Cruz, CA	DE-FG02-04ER41286 10/31/2009 Seiden	SC-25	Research in High Energy Physics	1,936
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	128
ALIFORNIA, UNIV. OF SANTA CRUZ Santa Cruz, CA	DE-FG02-05ER46181 11/30/2008 Belanger	SC-22.21	Ordering Process in Complex Magnetic Systems	180
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
ALIFORNIA, UNIV. OF SANTA CRUZ Santa Cruz, CA	DE-FG02-06ER46319 08/31/2009 Shastry	SC-22.22	Dynamical Thermal Transport in Correlated Matter	110
HUMBOLDT STATE UNIV. FOUND. Arcata, CA	DE-FG02-03ER63585 08/14/2006 Lehman	SC-23.2	Fuel Cell Advanced Materials Research and Development Project	0
KECK GRADUATE INSTITUTE Claremont, CA	DE-FG02-03ER15407 08/31/2007 Cregg	SC-22.13	Regulation of Gene Expression by Methanol in the Yeast <i>Pichia pastoris</i>	50
KECK GRADUATE INSTITUTE Claremont, CA	DE-FG02-04ER63804 12/14/2007 Sauro	SC-23.2	Computational Resources for GTL	157
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)	1,925
LOMA LINDA UNIVERSITY Loma Linda, CA	DE-FG02-05ER64097 07/31/2008 Bush	SC-23.2	Development of a Helium-Ion Beam Research and Clinical Application Platform at Loma Linda University Medical Center's Proton	0
LOMA LINDA UNIVERSITY Loma Linda, CA	DE-FG02-05ER64098 07/31/2008 Gridley	SC-23.2	Mechanisms of Low Dose Radiation-Induced T Helper Cell Function	314
LOS ANGELES TRADE TECH. COL. Los Angeles, CA	DE-FG02-03ER63702 12/31/2006 Brinkman, Moreno	SC-23.2	Developing the Foundations for a SMART Technology Training Program	0
OCCIDENTAL COLLEGE Los Angeles, CA	DE-FG02-06ER54882 07/14/2009 Eggleston	SC-24.2	Resonance Overlap, Axial Trapping, and Magnetic Field Scaling in Asymmetry-Induced Transport	60
O STATE UNIVERSITY RES. FOUND. San Diego, CA	DE-FG02-03ER41272 05/31/2009 Johnson	SC-26.1	Mean-Field and Moment Methods Applied to Nuclear Structure and Reactions	33
SAN DIEGO, UNIVERSITY OF San Diego, CA	DE-FG02-03ER54728 09/14/2009 Severn	SC-24.2	Collaborative Research: Understanding Sheaths and Pre-sheaths in Plasmas	45

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SAN FRANCISCO STATE UNIVERSITY San Francisco, CA	DE-FG02-92ER40711 01/31/2011 Greensite	SC-25	Research in Theoretical High Energy Physics	95
SAN FRANCISCO STATE UNIVERSITY San Francisco, CA	DE-FG02-02ER63430 08/14/2007 Cochlan	SC-23.3	The Effects of Iron Complexing Ligands on the Long Term Ecosystem Response to Iron Enrichment of HNLC Waters	0
SAN FRANCISCO, CITY COLLEGE OF San Francisco, CA	DE-FG02-06CH11436 06/30/2007 Goldstein, Day	SC-23	Health Programs and Student Health Services Institutional Equipment Upgrade	722
SOUTHERN CALIFORNIA, UNIV. OF Los Angeles, CA	DE-FG02-99ER14956 04/14/2010 Haw	SC-22.12	Fundamental Studies of Catalysis by Solid Acids	0
SOUTHERN CALIFORNIA, UNIV. OF Los Angeles, CA	DE-FG02-04ER15509 10/31/2008 Wittig	SC-22.1	Photoinitiated Processes in Small Hydrides	0
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	150
SOUTHERN CALIFORNIA, UNIV. OF Los Angeles, CA	DE-FG02-04ER25630 09/14/2007 Hall	SC-21.1	PetaScale Application Development Analysis	50
SOUTHERN CALIFORNIA, UNIV. OF Los Angeles, CA	DE-FG02-04ER25597 06/30/2007 Lucas	SC-21.1	PetaScale Execution Time Evaluation	722
SOUTHERN CALIFORNIA, UNIV. OF Los Angeles, CA	DE-FC02-06ER25757 09/14/2011 Kesselman	SC-21.1	A Center for Enabling Distributed Petascale Science	960
SOUTHERN CALIFORNIA, UNIV. OF Los Angeles, CA	DE-FG02-06ER25741 08/14/2009 Lehman	SC-21.1	Hybrid Multi-Layer Network Control for Emerging Cyber-Infrastructures	200
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-FC02-06ER25773 09/14/2011 Chervenak	SC-21.1	Scaling the Earth System Grid to Petascale Date	460
SOUTHERN CALIFORNIA, UNIV. OF Los Angeles, CA	DE-FG02-84ER40168 02/28/2011 Warner, Bars	SC-25	Theoretical Particle Physics	270
SOUTHERN CALIFORNIA, UNIV. OF Los Angeles, CA	DE-FC02-06ER25788 09/14/2011 Vashishta	SC-21.1	Hierarchical Petascale Simulation Framework for Stress Corrosion Cracking	590
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

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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-FG02-04ER46146 12/31/2007 Kassner	SC-22.22	Long-Range Internal Stresses and Mechanisms of Cyclic and Monotonic Deformation	129
SOUTHERN CALIFORNIA, UNIV. OF Los Angeles, CA	DE-FG02-04ER46130 04/14/2010 Vashishta	SC-22.22	Multimillion-to-Billion Atom Simulations of Nanoscale Systems	130
SOUTHERN CALIFORNIA, UNIV. OF Los Angeles, CA	DE-FG02-05ER46240 08/31/2011 Haas	SC-22.22	Quantum to Classical Crossover of Collective Modes in Correlated Matter	80
SOUTHERN CALIFORNIA, UNIV. OF Los Angeles, CA	DE-FG02-06ER54886 07/14/2009 Katsouleas	SC-24.2	Collaborative Research: Simulation of Beam-Electron Cloud Interactions in Circular Accelerators Using Plasma Models	75
SOUTHERN CALIFORNIA, UNIV. OF Los Angeles, CA	DE-FG03-01ER45905 08/31/2005 Mataric	SC-22.23	Multi-Robot Learning in Tightly-Coupled, Inherently Cooperative Tasks	0
SOUTHERN CALIFORNIA, UNIV. OF Los Angeles, CA	DE-FG02-01ER45908 01/31/2005 Haas	SC-22.22	Magnetic Fields and Disorder in Quantum Spin Systems	0
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	505
SOUTHERN CALIFORNIA, UNIV. OF Los Angeles, CA	DE-FC02-01ER41192 03/14/2007 Katsouleas	SC-25	Advanced Computing for 21st Century Accelerator Science and Technology	19
SOUTHERN CALIFORNIA, UNIV. OF Los Angeles, CA	DE-FG02-05ER64128 08/31/2009 Pohost	SC-23.2	Development of Advanced Surgical Robotics "DARS"	0
SOUTHERN CALIFORNIA, UNIV. OF Los Angeles, CA	DE-FG02-06ER64322 09/14/2009 Pohost	SC-23.2	Development of Advanced Surgical Robotics "DARS"	962
SOUTHERN CALIFORNIA, UNIV. OF Los Angeles, CA	DE-FG02-04ER63882 08/14/2008 Nealson	SC-23.2	Genome-Facilitated Analyses of Geomicrobial Processes	560
SOUTHERN CALIFORNIA, UNIV. OF Los Angeles, CA	DE-FG02-04ER63847 06/14/2007 Pohost	SC-23.2	Surgical Robotics Research in Cardiovascular Disease at the Keck Sch of Med at USC, in Neurosurgery at the UAB Sch of Med & Neurosurgery at the Cleveland	0
STANFORD UNIVERSITY Stanford, CA	DE-FG02-06ER46287 08/14/2009 Kivelson	SC-22.22	Properties of Locally Charge Ordered Conductors	124
STANFORD UNIVERSITY Stanford, CA	DE-FG02-04ER46163 04/30/2011 Nix	SC-22.21	Mechanical Properties of Materials with Nanometer Scale Microstructures	180

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STANFORD UNIVERSITY Stanford, CA	DE-FC02-99ER62873 12/15/2010 Myers	SC-23.2	Genome Improvement at JGI-SHGC	7,961
STANFORD UNIVERSITY Stanford, CA	DE-FG02-01ER63219 06/14/2008 McAdams	SC-23.2	Global Characterization of Genetic Regulatory Circuitry Controlling Adaptive Metabolic Pathways	750
STANFORD UNIVERSITY Stanford, CA	DE-FG02-06ER54897 07/31/2009 Cappelli	SC-24.2	High Density Magnetized Microdischarge Plasmas	100
STANFORD UNIVERSITY Stanford, CA	DE-FG02-04ER41295 12/31/2009 Cabrera, Gratta	SC-25	Stanford Non-Accelerator High Energy Physics Program	1,315
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	300
STANFORD UNIVERSITY Stanford, CA	DE-FC02-01ER41177 07/14/2007 Golub	SC-25	Advanced Computing for 21st Century Accelerator Science and Technology	0
STANFORD UNIVERSITY Stanford, CA	DE-FG02-90ER45435 12/31/2009 Osheroff	SC-22.22	Ultra-Low Temperature Properties of Amorphous and Glassy Materials	132
STANFORD UNIVERSITY Stanford, CA	DE-FG02-88ER13857 02/28/2009 Hanson, Bowman	SC-22.11	Kinetics and Spectroscopy of Combustion Gases at High Temperatures	160
STANFORD UNIVERSITY Stanford, CA	DE-FG02-84ER13251 01/14/2011 Fayer	SC-22.1	Nanoconfinement and Interfaces-Water and Proton Dynamics	190
STANFORD UNIVERSITY Stanford, CA	DE-FG02-04ER15511 12/31/2005 Madix	SC-22.12	The Dynamics of Adsorption on Clean and Adsorbate-Modified Transition Metal and Metal Oxide Surfaces	0
STANFORD UNIVERSITY Stanford, CA	DE-FG02-03ER15454 10/31/2009 Borja	SC-22.1	Framework for constitutive branching in porous rocks undergoing brittle faulting and cataclastic flow	101
STANFORD UNIVERSITY Stanford, CA	DE-FG02-03ER15443 08/31/2008 Mudgett	SC-22.13	Biochemical Characterization of the Interaction between Xanthomonas Type III Effector XopN and a Tomato LLR-RLK	48
STANFORD UNIVERSITY Stanford, CA	DE-FG02-03ER15423 02/28/2010 Nur	SC-22.12	Porous Rock with Fluid: Impact of Heterogeneity on Reservoir Transport and Elastic Properties and Application to	0
STANFORD UNIVERSITY Stanford, CA	DE-FG02-03ER15382 12/31/2007 Knight	SC-22.1	Geochemical Controls on Nuclear Magnetic Resonance Measurements	0
STANFORD UNIVERSITY Stanford, CA	DE-FG02-06ER15810 07/31/2009 Bergmann	SC-22.13	Manipulating Signaling in Stomatal Development	130

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STANFORD UNIVERSITY Stanford, CA	DE-FC02-06ER25787 09/14/2011 Lele	SC-21.1	Simulations of Turbulent Flows With Strong Shocks	900
STANFORD UNIVERSITY Stanford, CA	DE-FG02-06ER25726 03/31/2009 Durlafsky	SC-21.1	Multiscale Analysis and Computation for Flows in Heterogeneous Media	77
STANFORD UNIVERSITY Stanford, CA	DE-FG02-04ER63777 02/28/2007 Shapiro	SC-23.2	Advanced Methods for High-Resolution Imaging of Dynamic Cellular and Subcellular Processes in Complex Bacterial Systems	0
STANFORD UNIVERSITY Stanford, CA	DE-FG02-04ER63763 04/30/2007 Criddle	SC-23.4	Field-Scale Evaluation of Biological Uranium Reduction and Reoxidation in the Near-Source Zone at the NABIR Field	501
STANFORD UNIVERSITY Stanford, CA	DE-FG02-04ER63896 08/14/2009 Arrigo	SC-23.3	Iron Fertilization of the Southern Ocean: Regional Simulation and Analysis of C-Sequestration in the Ross Sea	226
STANFORD UNIVERSITY Stanford, CA	DE-FG02-04ER63891 08/31/2009 Arrigo	SC-23.3	Photosynthetic Characteristics, Carbon Metabolism, and Nutrient Requirements of Phaeocystis Antarctica and Diatoms from	227
STANFORD UNIVERSITY Stanford, CA	DE-FG07-02ER63495 09/14/2005 Brown	SC-23.4	Characterization of U(VI) Sorption-Desorption Processes and Model Upscaling	0
STANFORD UNIVERSITY Stanford, CA	DE-FG02-03ER63680 08/31/2007 Paytan	SC-23.3	Organic Matter Composition, Recycling Susceptibility, and the Effectiveness of the Biological Pump - An Evaluation Using	0
STANFORD UNIVERSITY Stanford, CA	DE-FG02-03ER63609 03/31/2008 Fendorf	SC-23.4	Elucidating Bioreductive Transformations within Physically Complex Media: Impact on the Fate and Transport of Uranium and Chromium	227
STANFORD UNIVERSITY Stanford, CA	DE-FG02-03ER63687 12/31/2005 Gambhir	SC-23.2	Molecular Imaging of Stem Cell Survival, Apoptosis, and Differentiation in Myocardium	0
STANFORD UNIVERSITY Stanford, CA	DE-FG02-06ER64237 05/14/2009 Brown	SC-23.4	Microscopic Controls on the Description/Dissolution of Sorbed U(VI) and their Influence on Reactive Transport	73
STANFORD UNIVERSITY Stanford, CA	DE-FG02-06ER64234 12/31/2008 Fendorf	SC-23.4	Quantification of Hydrological, Geochemical, and Mineralogical Processes Governing the Fate and Transport of	109
STANFORD UNIVERSITY Stanford, CA	DE-FG02-05ER64122 09/14/2008 Matin	SC-23.4	Molecular Mechanisms of Uranium Reduction by Clostridia and its Manipulation	176
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	2,073
STANFORD UNIVERSITY Stanford, CA	DE-FG02-06ER64164 06/30/2007 Paytan	SC-23.3	Organic Matter Composition, Recycling Susceptibility, and the Effectiveness of the Biological Pump - An Evaluation Using NMR Spectra of Marine Plankton	130

Total for CA :

107,453

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COLORADO SCHOOL OF MINES Golden, CO	DE-FG02-04ER63900 03/31/2008 Honeyman	SC-23.4	Biogeochemical Cycling and Environmental Stability of Pu Relevant to Long-Term Stewardship of DOE Sites	128
COLORADO SCHOOL OF MINES Golden, CO	DE-FG02-06ER64233 12/14/2009 Honeyman	SC-23.4	Upscaling of Long-Term U(VI) Desorption from Pore Scale Kinetics to Field-Scale Reactive Transport Models	180
COLORADO SCHOOL OF MINES Golden, CO	DE-FG02-06ER15778 04/30/2009 Snieder	SC-22.12	Monitoring the Subsurface with Multiple Scattered Waves and Quasi-Static Deformation	96
COLORADO SCHOOL OF MINES Golden, CO	DE-FG02-03ER15390 10/31/2006 Batzle	SC-22.1	Optical Measurement of Seismic-frequency Attenuation and Velocity Dispersion at In-situ Conditions	0
COLORADO SCHOOL OF MINES Golden, CO	DE-FG02-93ER14363 10/31/2009 Way	SC-22.1	A Mechanistic Study of Inorganic Membranes for Gas Separations	104
COLORADO SCHOOL OF MINES Golden, CO	DE-FG02-95ER14568 10/31/2006 Ely	SC-22.1	Composition Dependence of Fluid Thermophysical Properties: Theory and Modeling	50
COLORADO SCHOOL OF MINES Golden, CO	DE-FG02-93ER40789 03/31/2011 Greife	SC-26.1	Nuclear Structure and Astrophysics with Unstable Beams	255
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-FG02-05ER46242 08/31/2011 Sloan	SC-22.23	Molecular Hydrogen Storage in Novel Clathrate Materials	250
COLORADO STATE UNIVERSITY Fort Collins, CO	DE-FG02-01ER63239 09/14/2007 Ullrich	SC-23.2	Genetic Mechanisms of Induced Chromosomal Instability and Their Relationships with Radiation Tumorigenesis	251
COLORADO STATE UNIVERSITY Fort Collins, CO	DE-FG02-01ER63235 09/14/2006 Bedford	SC-23.2	Genetic Factors Affecting Susceptibility to Low Dose and Low Dose-Rate Radiation Exposure	164
COLORADO STATE UNIVERSITY Fort Collins, CO	DE-FG02-94ER61748 01/31/2009 Stephens, Gabriel, Platt	SC-23.3	Refinement, Validation and Application of Cloud-Radiation Parameterization in a GCM	162
COLORADO STATE UNIVERSITY Fort Collins, CO	DE-FG02-93ER40788 12/14/2010 Toki, Harton, Wilson	SC-25	Research in High Energy Physics	676
COLORADO STATE UNIVERSITY Fort Collins, CO	DE-FG02-03ER41255 06/30/2011 Fairbank	SC-25	New Technique for Barium Daughter Ion Identification in a Liquid Xe-136 Double Beta Decay Experiment	73
COLORADO STATE UNIVERSITY Fort Collins, CO	DE-FG02-96ER14625 03/31/2009 Elliott	SC-22.13	Surface Binding and Organization of Sensitizing Dyes on Metal Oxide Single Crystal Surfaces	140

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COLORADO STATE UNIVERSITY Fort Collins, CO	DE-FG02-95ER14558 03/31/2007 Maciel	SC-22.1	Multinuclear Magnetic Resonance Study of Silica and Modified Silicas	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	167
COLORADO STATE UNIVERSITY Fort Collins, CO	DE-FG02-03ER15451 08/14/2008 Bush	SC-22.13	Genetic and Molecular Analysis of a New Control Pathway in Assimilate Partitioning	0
COLORADO STATE UNIVERSITY Fort Collins, CO	DE-FG02-04ER15556 08/31/2008 Reddy	SC-22.13	Functional analysis of U1-70K interacting SR proteins and regulation of alternative splicing of pre-mRNA in Arabidopsis	119
COLORADO STATE UNIVERSITY Fort Collins, CO	DE-FG02-02ER15351 08/14/2007 Dorhout	SC-22.1	Solid State Chemistry of New Actinide Materials	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	220
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	145
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-FG02-05ER25699 08/14/2009 Estep	SC-21.1	A Mathematical Analysis of Atomistic-to-Continuum (AtC) Multiscale Coupling Methods	68
COLORADO STATE UNIVERSITY Fort Collins, CO	DE-FG02-06ER25724 02/28/2009 Strout	SC-21.1	Representation-Independent Compiler Technology for Domain-Specific Analysis with the Open-Analysis Toolkit	57
COLORADO STATE UNIVERSITY Fort Collins, CO	DE-FG02-04ER25620 02/28/2009 Estep	SC-21.1	A Posteriori Analysis of Interface Effects in the Discretization of Multi-Scaled and Multi-Physics Problems by Decomposition Techniques	265
COLORADO STATE UNIVERSITY Fort Collins, CO	DE-FC02-06ER64302 08/31/2011 Randall	SC-23.3	Design and Testing of a Global Cloud-resolving Model	819
COLORADO STATE UNIVERSITY Fort Collins, CO	DE-FG02-06ER64317 08/31/2009 Denning	SC-23.3	Multi-Year Regional Synthesis of Atmospheric Flux and mixing Ratio Measurements in Support of the North American Carbon Program	124
COLORADO STATE UNIVERSITY Fort Collins, CO	DE-FG02-05ER64087 03/31/2009 Zimbrick	SC-23.2	Transgenerational Effects of Chronic Low-Dose Irradiation in a Medaka Fish Model System	335
COLORADO STATE UNIVERSITY Fort Collins, CO	DE-FG02-05ER64137 08/31/2007 Bedford	SC-23.2	Effects of SOD Downregulation-Induced Adaptive Response and Bystander Effects	79

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COLORADO STATE UNIVERSITY Fort Collins, CO	DE-FG02-06ER64176 01/14/2007 DeMott	SC-23.3	Ice Nuclei and Ice Formation in Arctic Clouds: Observations, Parameterization and Implications from the M-PACE	38
COLORADO STATE UNIVERSITY Fort Collins, CO	DE-FG02-04ER63890 08/14/2010 Paul, Paustian	SC-23.3	Ecosystem Controls on C and N Sequestration Following Afforestation of Agricultural Lands	198
COLORADO STATE UNIVERSITY Fort Collins, CO	DE-FG02-05ER63946 11/14/2009 Weil, Ullrich	SC-23.2	Radiation Leukemogenesis at Low Dose Rates	276
COLORADO STATE UNIVERSITY Fort Collins, CO	DE-FG02-05ER63961 03/31/2008 Austin	SC-23.3	Operational Retrieval of Cloud Microphysical Properties using Combined Measurements by Diverse Instruments	107
COLORADO STATE UNIVERSITY Fort Collins, CO	DE-FG02-03ER63645 08/31/2006 Bedford	SC-23.2	Transgenerational Radiation Genetics: A Feasibility Study for the Use of the Japanese Medaka to Investigate Adaptive	47
COLORADO STATE UNIVERSITY Fort Collins, CO	DE-FG02-02ER63370 12/14/2007 Randall	SC-23.3	Further Development and Applications of a Multi-scale Modeling Framework	400
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-03ER63561 05/31/2009 Pincus	SC-23.3	Accounting for Unresolved Variability in Clouds and Water Vapor in Large-Scale Models: Precipitation Rate, Clear-Sky	120
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG07-02ER63491 09/14/2006 Ryan	SC-23.4	Influences of Flow Transients and Porous Medium Heterogeneity on Colloid-Associated Contaminant Transport in the Vadose Zone	0
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-05ER63965 12/14/2010 Shupe	SC-23.3	An Investigation of the Microphysical, Radiative, and Dynamical Properties of Mixed Phase Clouds	30
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-05ER63954 11/30/2010 Matrosov	SC-23.3	Development, Application & Enhancement of Methods to Retrieve & Parameterize Properties of Precipitation Clouds with ARM Vertically-Pointing & Scanning Radars	62
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-05ER63981 12/31/2007 Jimenez	SC-23.3	Characterization of Fine Particulate Matter (PM) and Secondary PM Precursor Gases in the Mexico City Metropolitan Area	71
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-04ER63870 07/31/2007 Tufo	SC-23.3	Improved Transport Processes for CCSM	233
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-06ER64182 01/31/2010 Pincus	SC-23.3	Evaluation and Improvement of the Cloud Resolving Model Component of the Multi-Scale Modeling Framework	104
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-06ER64189 01/31/2009 Ryan	SC-23.4	The Role of Natural Organic Matter and Mineral Colloids in the Transport of Contaminants Through Heterogeneous Vadose-Zone Environments	261
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-05ER64015 02/14/2008 Westwater	SC-23.3	Microwave and Millimeter-Wave Radiometric Studies of Temperature, Water Vapor, and Clouds	165

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COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-05ER64024 02/14/2008 Pilewskie	SC-23.3	Retrieval of Cloud Water Path Using Visible and Near-Infrared Remote Sensing	125
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-03ER25574 11/14/2009 Manteuffel	SC-21.1	First-Order System Least Squares, (FOSLS), for Nonlinear Systems Arising from DOE Applications	0
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-05ER25667 03/14/2008 Vasilyev	SC-21.1	Adaptive LES Methodology for Turbulent Flow Simulations	147
COLORADO, UNIVERSITY OF Boulder, CO	DE-FC02-06ER25784 09/14/2011 McCormick	SC-21.1	Towards Optimal Petascale Simulations (TOPS)	180
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-05ER15691 04/14/2009 Nesbitt	SC-22.11	Spectroscopy, Kinetics, and Dynamics of Combustion Radicals	145
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-FG02-06ER15779 04/30/2009 Spetzler	SC-22.12	Monitoring the Subsurface with Multiple Scattered Waves and Quasi-Static Deformation	58
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	153
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	205
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-99ER14989 02/28/2006 Jin	SC-22.1	Exploring Quantum Degenerate Bose-Fermi Mixtures	0
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-99ER14990 06/30/2009 Holland	SC-22.11	Strongly-Interacting Quantum Gases	150
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-03ER15400 12/14/2006 Fall	SC-22.13	Microbial Production of Isoprene	0
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-04ER41290 11/30/2009 Ford	SC-25	Elementary Particles and High Energy Phenomena, Tasks A, B, C, & T	1,657
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-04ER41301 02/14/2010 Kinney, Peterson	SC-26.1	Intermediate Energy Nuclear Physics	419
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-03ER41244 02/28/2009 Nagle	SC-26.1	Experimental Relativistic Heavy Ion Physics at the University of Colorado at Boulder	225

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-04ER41317 05/31/2010 Cary	SC-25	Chaotic Dynamics and Advanced Computation for Beams and Accelerators	190
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-93ER40774 01/31/2009 Shepard, Pollock	SC-26.1	Theoretical Nuclear Physics	0
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-03ER46066 01/14/2010 Dessau	SC-22.22	New Techniques for Electronic Structure Studies of Correlated Electron Systems	0
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-06ER54896 07/31/2009 Robertson	SC-24.2	Ionospheric Dusty Plasma in the Laboratory	125
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-04ER54735 12/31/2009 Cary	SC-24.2	Analysis and Direct Numerical Simulation of RF Heating Processes and Advanced Computational Methods for Fusion	126
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-04ER54743 12/31/2007 Barnes	SC-24.2	Validation of Numerical Two-Fluid and Kinetic Plasma Models	49
COLORADO, UNIVERSITY OF Boulder, CO	DE-FG02-02ER54685 08/14/2009 Goldman	SC-24.2	Nonlinear Structures in 2-D and 3-D Current-Driven Plasmas with Shear	60
COLORADO, UNIVERSITY OF Boulder, CO	DE-FC02-04ER54800 08/14/2007 Parker	SC-24.2	Center for Extended Magnetohydrodynamic Modeling	59
COLORADO, UNIVERSITY OF Boulder, CO	DE-FC02-05ER54816 07/14/2008 Parker	SC-24.2	Center for Gyrokinetic Particle Simulations of Turbulent Transport in Burning Plasmas	195
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 08/14/2009 Munsat	SC-24.2	Fundamental Studies of FRC Turbulence	154
REGIS UNIVERSITY Denver, CO	DE-FG02-06CH11424 06/30/2007 Crockett	SC-23	Regis University Science Building Renovation Project for Capital Equipment	770
Total for CO :				12,659

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

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
CONNECTICUT, UNIVERSITY OF Farmington, CT	DE-FG02-05CH11286 12/31/2007 Cowan	SC-23	Purchase of Live Cell System	289
CONNECTICUT, UNIVERSITY OF Storrs, CT	DE-FG02-86ER13622 11/30/2009 Suib	SC-22.1	Porpous Nano-sized Transition Metal Oxides: Preparation, Characterization, and Application	120
CONNECTICUT, UNIVERSITY OF Storrs, CT	DE-FG02-95ER14528 05/14/2009 Torgersen	SC-22.12	Air-Derived Noble Gases in Sediments: Sites and Mechanisms for Trapped Components	31
CONNECTICUT, UNIVERSITY OF Storrs, CT	DE-FG02-04ER25656 09/14/2007 Olgac	SC-21.1	A New Paradigm for Intelligently Managing the Time Delay	0
CONNECTICUT, UNIVERSITY OF Storrs, CT	DE-FG02-06ER15805 07/14/2009 Gage	SC-22.13	Signal-transduction networks mediating catabolite repression in the nitrogen-fixing symbiont Sinorhizobium	130
CONNECTICUT, UNIVERSITY OF Storrs, CT	DE-FG02-05ER15734 10/31/2011 Cote	SC-22.11	Formation of Ultracold Molecules	102
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	98
CONNECTICUT, UNIVERSITY OF Storrs, CT	DE-FG02-92ER40716 11/30/2009 Dunne	SC-25	Investigations in Particle and Field Theory	200
CONNECTICUT, UNIVERSITY OF Storrs, CT	DE-FG02-94ER40870 04/14/2010 Gai	SC-26.1	Studies in Low Energy Nuclear Physics	130
CONNECTICUT, UNIVERSITY OF Storrs, CT	DE-FG02-00ER45801 11/30/2011 Wells	SC-22.22	Charge Inhomogeneity in Correlated Electron Materials	84
CONNECTICUT, UNIVERSITY OF Storrs, CT	DE-FG02-05ER46184 08/15/2008 Pease	SC-22.22	Study of Phase Separation as Related to the Metal-Insulator for Transition in Chromium Doped V2O3	114
FAIRFIELD UNIVERSITY Fairfield, CT	DE-FG02-01ER41199 05/24/2005 Winn	SC-25	G-2 and CMS Fast Optical Calorimetry	0
YALE UNIVERSITY New Haven, CT	DE-FG02-98ER20311 08/31/2010 Soll	SC-22.13	Selenocysteine: Biosynthesis and Significance for Hydrogen Utilization	130
YALE UNIVERSITY New Haven, CT	DE-FG02-06ER15800 06/30/2009 Johnson	SC-22.11	Understanding the Electron-Water Interaction at the Molecular Level: Integrating Theory and Experiment in the Cluster Regime	100
YALE UNIVERSITY New Haven, CT	DE-FG02-06ER15834 09/14/2009 Schwarz	SC-22.11	Atomic Resolution Imaging and Quantification of Chemical Functionality of Surfaces	183

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands)
				FY 2006
YALE UNIVERSITY New Haven, CT	DE-FG02-05ER15732 07/14/2009 Pfefferle	SC-22.12	Novel Reforming Catalysts	250
YALE UNIVERSITY New Haven, CT	DE-FG02-05ER15714 01/31/2012 DeMille	SC-22.11	Production and Trapping of Ultracold Polar Molecules	135
YALE UNIVERSITY New Haven, CT	DE-FG02-05ER15741 11/30/2008 Wettlaufer	SC-22.12	Freezing in Porous Media: Phase Behavior, Dynamics and Transport Phenomena	100
YALE UNIVERSITY New Haven, CT	DE-FG02-05ER15646 03/31/2009 Brudvig	SC-22.13	Carotenoid Function in Natural Photosynthetic Systems	119
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-FG02-91ER40608 12/31/2009 Iachello, Alhassid	SC-26.1	Nuclear Theory	410
YALE UNIVERSITY New Haven, CT	DE-FG02-91ER40609 12/31/2009 Harris	SC-26.1	Nuclear Physics - Experimental Research	3,815
YALE UNIVERSITY New Haven, CT	DE-FG02-96ER14678 11/14/2006 Hartwig	SC-22.1	Chemistry of Complexes with Transition Metal-Heteroatom Bonds: Novel Insertion Chemistry and X-H Bond Activation	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	140
YALE UNIVERSITY New Haven, CT	DE-FG02-88ER13966 11/30/2010 Smooke, Long	SC-22.11	Computational and Experimental Study of Laminar Flames	220
YALE UNIVERSITY New Haven, CT	DE-FG02-01ER15216 10/31/2006 Rye, Bolton, Ague	SC-22.1	Integrated Studies of Coupled Flow, Reaction, and Diffusion in Earth's Crust	0
YALE UNIVERSITY New Haven, CT	DE-FG02-01ER15173 11/14/2007 Berner	SC-22.1	Plants, Weathering, and the Evolution of Atmospheric Carbon Dioxide and Oxygen	129
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	135
YALE UNIVERSITY New Haven, CT	DE-FG02-98ER14882 07/14/2011 Altman	SC-22.1	Structure-Reactivity Relationships in Multi-Component Transition Metal Oxide Catalysts	145
YALE UNIVERSITY New Haven, CT	DE-FG02-06ER46322 08/14/2009 Pfefferle	SC-22.23	Nanostructures of Boron and Magnesium Diboride for High Temperature Superconductivity and Other 1-D Electronic Properties	250

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
YALE UNIVERSITY New Haven, CT	DE-FG02-05ER41394 08/31/2006 Hirshfield	SC-25	University Consortium for Linear Collider R&D - 20-MW Magnicon for ILC	0
YALE UNIVERSITY New Haven, CT	DE-FG02-05ER41391 08/14/2007 Fleming	SC-25	Project Description for a Prototyping Program for Liquid Argon Time Projection Chamber Detectors	25
YALE UNIVERSITY New Haven, CT	DE-FG02-92ER40704 10/31/2010 Tipton	SC-25	High Energy Physics Research, Tasks A, B, C, D, F, G, K and J	2,466
YALE UNIVERSITY New Haven, CT	DE-FG02-06ER64238 05/31/2009 Fedorov	SC-23.3	The Role of the Tropics in Abrupt Climate Changes	250
YALE UNIVERSITY New Haven, CT	DE-FG02-06ER64188 01/31/2009 Saiers	SC-23.4	The Role of Natural Organic Matter and Mineral Colloids in the Transport of Contaminants Through Heterogeneous	289
YALE UNIVERSITY New Haven, CT	DE-FG02-06ER64181 01/31/2009 Nordhaus	SC-23.3	Model Developments for Development of Improved Emissions Scenarios: Developing Purchasing-Power Parity Models, Analyzing Uncertainty & Developing Data Sets ...	91
YALE UNIVERSITY New Haven, CT	DE-FG02-04ER63892 04/14/2009 Smith	SC-23.3	Bridging the Divide: Linking Genomics to Ecosystem Responses to Climate Change	488
Total for CT :				11,488

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Listing of Awards for State (DC)

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
CATHOLIC UNIVERSITY OF AMERICA Washington, DC	DE-FG02-04ER63814 08/31/2007 Pegg	SC-23.4	Research Program to Investigate the Fundamental Chemistry of Technetium	164
GEORGE WASHINGTON UNIVERSITY Washington, DC	DE-FG02-99ER41110 05/31/2011 Briscoe	SC-26.1	Data Analysis Center for Electromagnetic and Hadronic Scattering Processes	338
GEORGE WASHINGTON UNIVERSITY Washington, DC	DE-FG02-95ER40901 12/31/2011 Berman	SC-26.1	A Program in Medium Energy Nuclear Physics	150
GEORGE WASHINGTON UNIVERSITY Washington, DC	DE-FG02-95ER40907 01/31/2010 Lee	SC-26.1	Structure and Dynamics of Hadrons and Light Nuclei	104
GEORGE WASHINGTON UNIVERSITY Washington, DC	DE-FG02-06ER41422 03/31/2009 Feldman	SC-26.1	Low-Energy Photonuclear Studies at HIGS and Lund	118
GEORGE WASHINGTON UNIVERSITY Washington, DC	DE-FG02-01ER15129 01/14/2010 Vertes	SC-22.1	Nanostructured Substrates and Imaging Applications of Soft Laser Desorption Ionization	110
GEORGE WASHINGTON UNIVERSITY Washington, DC	DE-FG02-93ER14320 07/31/2007 Montaser	SC-22.12	New High-Temperature Plasmas and Sample Introduction Systems for Analytical Atomic Emission and Mass Spectrometry	0
HOWARD UNIVERSITY Washington, DC	DE-FG02-94ER40854 05/31/2009 Hubsch	SC-25	Superstrings and Quantum Superfields	40
HOWARD UNIVERSITY Washington, DC	DE-FG02-97ER25341 09/14/2007 Sadosky	SC-21.1	Perturbation Theory, Scattering Systems, Interpolation and Control	107
Total for DC :				1,131

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Listing of Awards for State (DE)

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
DELAWARE, UNIVERSITY OF Newark, DE	DE-FG02-06CH11383 01/14/2008 Rich	SC-23	University of Delaware Medical Research Equipment and Instrumentation	529
DELAWARE, UNIVERSITY OF Newark, DE	DE-FG02-84ER13290 03/14/2009 Barteau	SC-22.1	Promoter Effects on Surface Oxametallacycles Chemistry and the Rational Design of Olefin Epoxidation Catalysts	155
DELAWARE, UNIVERSITY OF Newark, DE	DE-FG02-92ER14273 08/31/2009 Theopold	SC-22.1	Catalysis of Small Molecule Activation by Proton Coupled Electron Transfer	130
DELAWARE, UNIVERSITY OF Newark, DE	DE-FG02-00ER15104 11/14/2009 Chen	SC-22.12	Structure-Property Relationship in Metal Carbides and Bimetallic Alloys	115
DELAWARE, UNIVERSITY OF Newark, DE	DE-FG02-04ER15541 05/31/2009 Green	SC-22.13	Regulated mRNA Decay in Arabidopsis: A global analysis of differential control by hormones and the circadian clock	120
DELAWARE, UNIVERSITY OF Newark, DE	DE-FG02-03ER15468 09/14/2009 Lobo, Barteau	SC-22.12	Catalysis Science Initiative: From First Principles Design to Realization of Bimetallic Catalysts for Enhanced Selectivity	882
DELAWARE, UNIVERSITY OF Newark, DE	DE-FG02-05ER15688 08/14/2011 Chen	SC-22.12	Dedicated Beamline for Catalytic Research	10
DELAWARE, UNIVERSITY OF Newark, DE	DE-FG02-06ER15795 06/30/2009 Vlachos	SC-22.12	An Integrated Approach Toward Rational Nanocatalyst Design for Hydrogen Production	320
DELAWARE, UNIVERSITY OF Newark, DE	DE-FG02-05ER25702 08/14/2009 Vlachos	SC-21.1	Multiscale Modeling of Spatially Distributed Biological Systems	362
DELAWARE, UNIVERSITY OF Newark, DE	DE-FG02-04ER25642 09/14/2007 Swany	SC-21.1	PHOEBUS: An Architecture for Next-Generation Network Computing	99
DELAWARE, UNIVERSITY OF Newark, DE	DE-FG02-91ER40626 01/31/2012 Shafi	SC-25	Particle Theory and Cosmology	410
DELAWARE, UNIVERSITY OF Newark, DE	DE-FG02-84ER40163 02/28/2007 Leung	SC-25	Elementary Particle Theory	50
DELAWARE, UNIVERSITY OF Newark, DE	DE-FG02-98ER54490 03/14/2006 Matthaeus	SC-24.2	Turbulent Magnetohydrodynamic Acceleration Processes: Theory SSX Experiments and Connections to Space and Astrophysics	0
DELAWARE, UNIVERSITY OF Newark, DE	DE-FG02-97ER62479 09/14/2008 Kirchman	SC-23.3	Cycling of DOC and DON by Novel Heterotrophic and Photoheterotrophic Bacteria in the Ocean	117
DELAWARE, UNIVERSITY OF Newark, DE	DE-FG02-06ER54853 11/30/2009 Matthaeus, Mitchell	SC-24.2	Experimental Studies of Self Organization with Electron Plasmas	59

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
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	149
DELAWARE, UNIVERSITY OF Newark, DE	DE-FG02-90ER45413 06/18/2010 Hadjipanayis	SC-22.22	Studies of Artificially Structured Composite Magnets	65
DELAWARE, UNIVERSITY OF Newark, DE	DE-FG02-00ER45800 05/31/2007 Buttrey	SC-22.22	Charge Inhomogeneity in Correlated Electron Systems	102
DELAWARE, UNIVERSITY OF Newark, DE	DE-FG02-06ER64246 12/31/2008 Veron	SC-23.3	Application of Stochastic Radiative Transfer Theory to the ARM Cloud-Radiative Parameterization Problem	123
Total for DE :				3,797

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
BARRY UNIVERSITY, INC. Miami Shores, FL	DE-FG02-06CH11438 08/30/2008 Frei, Wheeler	SC-23	Research Facilities and Instrumentation Initiative	289
CENTRAL FLORIDA, UNIVERSITY OF Orlando, FL	DE-FG02-04ER63916 09/30/2008 Yeh	SC-23.4	Reaction-Based Transport Modeling of Iron Reduction and Uranium Immobilization at Area 2 of the NABIR Field Research Center	66
CENTRAL FLORIDA, UNIVERSITY OF Orlando, FL	DE-FG02-06CH11446 07/31/2009 Cronan, Richardson	SC-23	X-Ray Photonics Facility	674
ECKERD COLLEGE St. Petersburg, FL	DE-FG02-04CH11244 01/31/2010 Mets	SC-23	Eckerd College Science Center	481
FLORIDA A&M UNIVERSITY Tallahassee, FL	DE-FG02-96ER40998 07/31/2009 Williams	SC-25	Electron Beam Transport in Advanced Plasma Wave Accelerators	100
FLORIDA A&M UNIVERSITY Tallahassee, FL	DE-FG02-03ER54725 08/14/2009 Appartaim	SC-24.2	Dynamics of X-pinch Powered by a Capacitor Bank	99
FLORIDA A&M UNIVERSITY Tallahassee, FL	DE-FG02-97ER54417 03/31/2010 Johnson	SC-24.2	Turbulent Transport Diagnostics for Fusion Plasmas	154
FLORIDA A&M UNIVERSITY Tallahassee, FL	DE-FG02-03ER63678 08/31/2007 Cherrier	SC-23.3	Diatom Photorespiration and Microbial C/N Cycling in the Upper Ocean: An Integrated Molecular and Biochemical Approach	0
FLORIDA INSTITUTE OF TECH. Melbourne, FL	DE-FG02-03ER41264 05/31/2009 Baarmand	SC-25	Experimental Investigation of Hadron Collisions at the Highest Center-of-Mass Energies	274
FLORIDA INTERNATIONAL UNIV. Miami, FL	DE-FG02-01ER41172 04/14/2010 Sargsian	SC-26.1	Theoretical Studies of High Energy Electronuclear Processes	50
FLORIDA INTERNATIONAL UNIV. Miami, FL	DE-FG02-99ER41065 01/31/2011 Reinhold, Boeglin, Markowitz, Raue	SC-26.1	Nuclear Physics Research at Jefferson Lab	375
FLORIDA INTERNATIONAL UNIV. Miami, FL	DE-FG02-04ER46125 03/31/2008 Zhang	SC-22.21	Research and Training of Using Neutron Scattering to Probe the Collective Phenomena in Doped Transition-Metal Oxides	74
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 molecular properties of their key intermed	90
FLORIDA INTERNATIONAL UNIV. Miami, FL	DE-FG02-06ER25739 08/14/2009 Rangaswami	SC-21.1	QoS-Enabled, High-Performance Storage Systems for Data-Intensive Scientific Computing	100
FLORIDA STATE UNIVERSITY Tallahassee, FL	DE-FG02-05ER25698 08/14/2009 Gunzburger	SC-21.1	A Mathematical Analysis of Atomistic-to-Continuum (AtC) Multiscale Coupling Methods	126

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
FLORIDA STATE UNIVERSITY Tallahassee, FL	DE-FG07-99ER15023 09/14/2005 Choppin	SC-23.4	The Aqueous Thermodynamics and Complexation Reactions of Anionic Silica and Uranium Species to High Concentration	0
FLORIDA STATE UNIVERSITY Tallahassee, FL	DE-FG02-96ER14618 06/30/2009 Choppin	SC-22.12	Research in Actinide Chemistry	0
FLORIDA STATE UNIVERSITY Tallahassee, FL	DE-FG02-00ER62986 02/28/2007 Kostka	SC-23.4	Biostimulation of Iron Reduction and Uranium Immobilization: Microbial and Mineralogical Controls	126
FLORIDA STATE UNIVERSITY Tallahassee, FL	DE-FG07-01ER63222 08/31/2003 Choppin	SC-23.4	Chemical Speciation of Sr, Am and Cm in High Level Waste: Predictive Modeling of Phase Partitioning During Tank Processing	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	100
FLORIDA STATE UNIVERSITY Tallahassee, FL	DE-FG02-97ER41022 12/31/2011 Prosper, Owens	SC-25	High Energy Physics	1,112
FLORIDA STATE UNIVERSITY Tallahassee, FL	DE-FG02-96ER40952 01/31/2011 Van Sciver	SC-25	Liquid Helium Fluid Dynamics Studies	205
FLORIDA STATE UNIVERSITY Tallahassee, FL	DE-FG02-92ER40735 10/31/2010 Eugenio	SC-26.1	Experimental Hadronic Nuclear Physics	171
FLORIDA STATE UNIVERSITY Tallahassee, FL	DE-FG02-92ER40750 03/14/2010 Piekarewicz	SC-26.1	From Quarks to the Cosmos	176
FLORIDA STATE UNIVERSITY Tallahassee, FL	DE-FG02-02ER41220 07/14/2011 Wiedenhoever	SC-26.1	Spectroscopy of Resonances in the Astrophysical rp-Process Path	58
FLORIDA STATE UNIVERSITY Tallahassee, FL	DE-FG02-06ER41450 08/31/2008 Lee	SC-25	Magnetic Investigation of High Purity Niobium for Superconduction RF Cavities	64
FLORIDA STATE UNIVERSITY Tallahassee, FL	DE-FG02-98ER45707 08/14/2010 Schlottmann	SC-22.22	Strongly Correlated Electrons	50
FLORIDA STATE UNIVERSITY Tallahassee, FL	DE-FG02-97ER45639 01/31/2011 Bonesteel	SC-22.22	Correlated Electrons in Reduced Dimensions	55
FLORIDA STATE UNIVERSITY Tallahassee, FL	DE-FG02-02ER63338 01/31/2011 Ellingson	SC-23.3	Development, Validation and Testing of 3-D Longwave Cloud Parameterizations for General Circulation Models	299
FLORIDA STATE UNIVERSITY Tallahassee, FL	DE-FG02-03ER63526 11/30/2008 Liu	SC-23.3	Determination of Large-Scale Cloud Ice Water Concentration by Combining Surface Radar and Satellite Data in Support of ARM	100

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
FLORIDA STATE UNIVERSITY Tallahassee, FL	DE-FG02-05ER63987 08/31/2009 Balkwill	SC-23.4	Investigating In Situ Bioremediation Approaches for Sustained Uranium Immobilization Independent of Nitrate Reduction	60
FLORIDA STATE UNIVERSITY Tallahassee, FL	DE-FG02-05ER63950 11/14/2007 Kostka	SC-23.4	An Integrated Assessment of Geochemical and Community Structure Determinants of Metal Reduction Rates in Subsurface	89
FLORIDA, UNIVERSITY OF Gainesville, FL	DE-FG02-05ER64003 07/14/2006 Hanrahan	SC-23.4	The Influence of Radiation on Pit Solution Chemistry as it Pertains to the Transition from Metastable to Stable Pitting in Steels	0
FLORIDA, UNIVERSITY OF Gainesville, FL	DE-FG02-04ER63845 06/14/2007 Davis	SC-23.2	Genome-Enabled Discovery of Carbon Sequestration Genes in Poplar	0
FLORIDA, UNIVERSITY OF Gainesville, FL	DE-FG07-01ER63299 09/14/2004 Hanrahan	SC-23.4	The Influence of Radiation on Pit Solution Chemistry as it Pertains to the Transition from Metastable to Stable Pitting in Steels	0
FLORIDA, UNIVERSITY OF Gainesville, FL	DE-FG02-97ER45660 11/30/2008 Cheng	SC-22.22	Interfacial Phenomena in Noble Metal-C60 Interaction	63
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	90
FLORIDA, UNIVERSITY OF Gainesville, FL	DE-FG02-86ER45268 11/30/2009 Stewart	SC-22.22	Novel Strongly Correlated f- Electron Materials	107
FLORIDA, UNIVERSITY OF Gainesville, FL	DE-FG02-02ER45984 05/14/2009 Tanner	SC-22.22	Time-resolved Far-infrared Spectroscopy of Superconductors and Spintronic Systems	125
FLORIDA, UNIVERSITY OF Gainesville, FL	DE-FG02-02ER45995 11/30/2011 Cheng	SC-22.22	A Computational Approach to Complex Junctions and Interfaces	195
FLORIDA, UNIVERSITY OF Gainesville, FL	DE-FG02-97ER41029 02/28/2010 Yelton	SC-25	High Energy Experimental and Theoretical Research	1,598
FLORIDA, UNIVERSITY OF Gainesville, FL	DE-FG02-05ER46247 08/31/2011 Chan	SC-22.22	Collective behaviors of the Casimir force in micromechanical systems	104
FLORIDA, UNIVERSITY OF Gainesville, FL	DE-FG02-05ER46236 08/31/2011 Hirschfeld	SC-22.22	Surfaces and Interfaces of Cuprate Superconductors and other Complex Oxides	99
FLORIDA, UNIVERSITY OF Gainesville, FL	DE-FG02-98ER14853 05/31/2009 Ladd	SC-22.12	Pore-Scale Simulations of Dissolution Breakthrough in Rough Fractures	107
FLORIDA, UNIVERSITY OF Gainesville, FL	DE-FG02-99ER14960 08/31/2008 Winefordner	SC-22.1	Atomic Emission Absorption and Fluorescence in the Laser Induced Plasma	125

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
FLORIDA, UNIVERSITY OF Gainesville, FL	DE-FG02-03ER15484 03/14/2010 Schanze, Kleiman, Reynolds	SC-22.1	Conjugated Polyelectrolytes: Disrupted Interactions, Self-Assembled Structures and Hybrid Polymer Solar Photoconversion	270
FLORIDA, UNIVERSITY OF Gainesville, FL	DE-FG02-03ER15478 08/31/2009 Weaver	SC-22.1	Non-Thermal Reactions of Gas-Phase Oxygen Atoms with Atoms Absorbed on Transition Metal Surfaces	145
FLORIDA, UNIVERSITY OF Gainesville, FL	DE-FG02-96ER20222 06/30/2009 Ingram	SC-22.13	Genetic Improvement of Escherichia coli for Production of Fuel Ethanol and L-Lactate	130
FLORIDA, UNIVERSITY OF Gainesville, FL	DE-FG02-97ER20264 04/30/2007 McCarty	SC-22.13	Genetic Control of ABA Synthesis in Arabidopsis	49
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	120
MIAMI, UNIVERSITY OF Miami, FL	DE-FG02-05ER64035 04/14/2009 Soden	SC-23.3	Testing Climate Model Simulations of Tropical Cirrus Lifecycles: A Lagrangian Analysis Using ARM Data	103
MIAMI, UNIVERSITY OF Miami, FL	DE-FG02-06ER64265 06/30/2007 Worden	SC-23.2	Participant & Training Support for Gordon Research Series Conference on Marine Microbes: Activities and Interactions	5
MIAMI, UNIVERSITY OF Miami, FL	DE-FG02-05ER63962 12/31/2008 Albrecht	SC-23.3	Development and Evaluation of Boundary Layer Cloudiness Parameterization Using ARM Observations	130
ROLLINS COLLEGE Winter Park, FL	DE-FG02-96ER54367 08/31/2009 Griffin	SC-24.2	Theory of Electron-Ion Collisions	44
SOUTH FLORIDA, UNIVERSITY OF Tampa, FL	DE-FG02-06ER46297 07/14/2009 Woods	SC-22.22	Theoretical Studies of Carbon Nanotube Interactions	85
SOUTH FLORIDA, UNIVERSITY OF Tampa, FL	DE-FG02-04ER46145 06/14/2011 Nolas	SC-22.23	A Fundamental Study of Bulk and Thin Film Type II Clathrate Materials	121
ST. THOMAS UNIVERSITY Miami Gardens, FL	DE-FG02-05CH11262 10/31/2007 Bachrach	SC-23	Minority Science Center	385
Total for FL :				9,817

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
CLARK ATLANTA UNIVERSITY Atlanta, GA	DE-FG02-02ER25515 12/31/2008 Mickens	SC-21.1	Mathematical and Numerical Studies of Nonstandard Difference Equation Models of Differential Equations	118
EARTH UNIVERSITY FOUNDATION Atlanta, GA	DE-FG02-04ER63856 06/30/2007 Hernandez	SC-23.2	A Systems Approach to Sustainable Development in Rural Communities in the Parisminia Watershed, Guacimo, Limon, Costa Rica	0
EMORY UNIVERSITY Atlanta, GA	DE-FG02-05ER25696 08/14/2009 Haber	SC-21.1	Applied Mathematics Research: Simulation Based Optimization and Application to Electromagnetic Inverse Problems	99
EMORY UNIVERSITY Atlanta, GA	DE-FG02-06ER25729 07/31/2009 Sunderam	SC-21.1	The Harness Workbench: Unified and Adaptive Access to Diverse HPC Platforms	154
EMORY UNIVERSITY Atlanta, GA	DE-FG02-02ER15377 06/14/2011 Lynn, Conticello	SC-22.13	Engineering Functional Scaffolds by Supramolecular Self-Assembly	150
EMORY UNIVERSITY Atlanta, GA	DE-FG02-01ER15153 08/14/2010 Heaven	SC-22.12	Spectroscopic and Theoretical Studies of Prototype Actinide Compounds	125
EMORY UNIVERSITY Atlanta, GA	DE-FG02-98ER14918 04/30/2009 Lian	SC-22.1	Ultrafast Interfacial Electron Transfer on Nanocrystalline Thin Films and Single Crystal Surfaces	135
EMORY UNIVERSITY Atlanta, GA	DE-FG02-03ER15461 09/14/2009 Musaev	SC-22.12	Principles of Selective O ₂ -Based Oxidation by Optimal (Multinuclear) Catalytic Sites	312
EMORY UNIVERSITY Atlanta, GA	DE-FG02-97ER14782 10/31/2009 Bowman	SC-22.11	Theoretical Studies of Combustion Dynamics	105
EMORY UNIVERSITY Atlanta, GA	DE-FG02-97ER14784 04/30/2008 Heaven, Lin	SC-22.1	Kinetics of Elementary Processes Relevant to Incipient Soot Formation	65
S INST., INC., MEDICAL COL. OF Augusta, GA	DE-FG02-03ER63649 12/14/2008 Dynan	SC-23.2	Mechanisms and Pathways Controlling Genomic Instability In Vivo	187
STATE UNIV. RES. FOUND., INC. Atlanta, GA	DE-FG02-01ER15213 10/31/2010 Stockman	SC-22.1	Novel Nanoplasmonics Theory: Energy Transformation Processes at the Nanoscale in Ultrafast and Strong Laser Fields	95
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 Architecures	90
STATE UNIV. RES. FOUND., INC. Atlanta, GA	DE-FG02-03ER15428 10/31/2009 Manson	SC-22.1	Ionization of Free and Confined Atoms and Ions	34
STATE UNIV. RES. FOUND., INC. Atlanta, GA	DE-FG02-98ER41068 03/31/2011 He	SC-26.1	Research in Heavy Ion Nuclear Reactions	137

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands)
				FY 2006
GEORGIA TECH RESEARCH CORP Atlanta, GA	DE-FG02-96ER40958 02/14/2011 Wood	SC-26.1	Nuclear Structure Research	138
GEORGIA TECH RESEARCH CORP Atlanta, GA	DE-FG02-86ER45234 11/30/2009 Landman	SC-22.22	Structure and Dynamics of Material Surfaces, Interphase-Interfaces and Finite Aggregates	0
GEORGIA TECH RESEARCH CORP Atlanta, GA	DE-FG02-85ER45194 08/31/2010 Tolbert	SC-22.23	The Organic Chemistry of Conducting Polymers: From Molecular Wires to Photovoltaics	175
GEORGIA TECH RESEARCH CORP Atlanta, GA	DE-FG02-97ER45632 12/31/2009 Chou	SC-22.22	First-Principles Investigation of Complex Materials Properties	30
GEORGIA TECH RESEARCH CORP Atlanta, GA	DE-FG02-96ER45562 06/14/2006 Bozeman	SC-22.22	Assessing Economic and Social Impacts of Basic Research	0
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	141
GEORGIA TECH RESEARCH CORP Atlanta, GA	DE-FG02-01ER54656 01/31/2010 Yoda	SC-24.2	Advanced Design Studies	100
GEORGIA TECH RESEARCH CORP Atlanta, GA	DE-FG02-01ER63198 08/31/2011 Dickinson	SC-23.3	Systematic Development of a Sub-Grid Scaling Framework to Improve Land Simulation	244
GEORGIA TECH RESEARCH CORP Atlanta, GA	DE-FG02-96ER54350 05/31/2007 Stacey	SC-24.2	Near-Term Fusion Neutron Source Applications	40
GEORGIA TECH RESEARCH CORP Atlanta, GA	DE-FG02-99ER54538 03/31/2011 Stacey	SC-24.2	Collaborative Analysis of DIII-D	126
GEORGIA TECH RESEARCH CORP Atlanta, GA	DE-FG02-06ER46293 07/31/2010 Riedo	SC-22.22	NanoMechanics: Elasticity and Friction in Nano-Objects	130
GEORGIA TECH RESEARCH CORP Atlanta, GA	DE-FG02-06ER46311 08/31/2009 Pustilnik	SC-22.22	Manifestations of Quantum Phase Transitions in Transport Through Nanosystems	125
GEORGIA TECH RESEARCH CORP Atlanta, GA	DE-FG02-06ER46343 11/30/2009 Zhang	SC-22.23	Thermal Emission Control Using Modified One-Dimensional Photonic Crystals	136
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-FG02-06ER46281 03/31/2009 Davidovic	SC-22.22	Spin Polarized Electron Transport Through Aluminum Nanoparticles	117

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
GEORGIA TECH RESEARCH CORP Atlanta, GA	DE-FG02-04ER46141 05/14/2010 Bunz	SC-22.23	Hyperbranched Conjugated Polymers and Their Nanodot Composites as Universal Bioinspired Architectures	164
GEORGIA TECH RESEARCH CORP Atlanta, GA	DE-FG02-04ER46170 08/31/2009 Zangwill	SC-22.22	Spin-Torque in Systems with Inhomogeneous Magnetization	80
GEORGIA TECH RESEARCH CORP Atlanta, GA	DE-FG02-03ER15459 09/14/2009 Jones	SC-22.12	Developing the Science of Immobilized Molecular Catalysts	740
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	119
GEORGIA TECH RESEARCH CORP Atlanta, GA	DE-FG02-01ER15220 02/28/2006 Liu	SC-22.1	Nano-structured Electrodes for Lithium Batteries	0
GEORGIA TECH RESEARCH CORP Atlanta, GA	DE-FG02-02ER15337 10/31/2011 Orlando	SC-22.1	Low-Energy Electron Interactions with Liquid Interfaces and Biological Targets	170
GEORGIA TECH RESEARCH CORP Atlanta, GA	DE-FG02-97ER14799 05/31/2009 El-Sayed	SC-22.1	Time Resolved Optical and Thermal Studies and the Proton Pump Mechanism of Bacteriorhodopsin: The Effect and	159
GEORGIA TECH RESEARCH CORP Atlanta, GA	DE-FG02-06ER15837 09/14/2009 Liu	SC-22.12	Understanding the Interfacial Structures - Chemistry Relationships in Solid Oxide Fuel Cells (SOFC)	140
GEORGIA TECH RESEARCH CORP Atlanta, GA	DE-FG02-03ER25567 12/14/2005 Mucha	SC-21.1	Model Interacting Particle Systems for Simulation and Macroscopic Description of Particulate Suspensions	-123
GEORGIA TECH RESEARCH CORP Atlanta, GA	DE-FG02-05ER25690 08/14/2009 Lee	SC-21.1	Toward Highly Secure and Autonomic Computing systems: A Hierarchical Approach	99
GEORGIA TECH RESEARCH CORP Atlanta, GA	DE-FG02-03ER63539 12/14/2008 Curry	SC-23.3	A Coordinated Effort to Improve Parameterization of High Latitude Cloud and Radiation Processes	158
GEORGIA TECH RESEARCH CORP Atlanta, GA	DE-FG02-04ER63718 07/31/2007 Loeffler	SC-23.4	Towards a More Complete Picture: Dissimilatory Metal Reduction by Anaeromyxobacter Species	188
GEORGIA TECH RESEARCH CORP Atlanta, GA	DE-FG02-04ER63785 03/14/2008 Bao	SC-23.2	Probing Single Microbial Proteins and Multi-Protein Complexes with Bioconjugated Quantum Dots	724
GEORGIA TECH RESEARCH CORP Atlanta, GA	DE-FG02-04ER63906 10/31/2009 Sobecky	SC-23.4	Promoting Uranium Immobilization by the Activities of Microbial Phosphatases	206
GEORGIA, UNIV. OF RES. FOUND. Athens, GA	DE-FG02-04ER63893 08/14/2008 Bradford	SC-23.3	Heterotrophic Soil Respiration in Warming Experiments: Using Microbial Indicators to Partition Contributions from Labile and	379

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GEORGIA, UNIV. OF RES. FOUND. Athens, GA	DE-FG02-02ER63472 08/31/2006 Yager	SC-23.3	The Impact of Enhanced Nitrogen Fixation on Carbon Sequestration: A Reassessment of the Inorganic Carbon System in LNLC Regions	0
GEORGIA, UNIV. OF RES. FOUND. Athens, GA	DE-FG02-06ER64321 08/31/2009 Leclerc	SC-23.3	A Carbon Flux Super Site: New Insights and Innovative Atmosphere-Terrestrial Carbon Exchange Measurements and Modeling	299
GEORGIA, UNIV. OF RES. FOUND. Athens, GA	DE-FG02-06ER64166 05/31/2009 Meagher	SC-23.4	Phytoremediation of Ionic and Methylmercury Pollution	300
GEORGIA, UNIV. OF RES. FOUND. Athens, GA	DE-FG02-05ER64121 09/14/2009 Seaman	SC-23.4	Molecular Mechanism of Bacterial Attachment to Fe(III)-Oxide Surfaces	221
GEORGIA, UNIV. OF RES. FOUND. Athens, GA	DE-FG02-05ER64018 07/31/2007 Bertsch	SC-23.4	Linking Chemical Speciation, Desorption Kinetics & Bioavailability of U & Ni in Aged-Contaminated Sediments: A Scientific Basis for Natural Attenuation & . . .	0
GEORGIA, UNIV. OF RES. FOUND. Athens, GA	DE-FG02-95ER20175 04/14/2011 Adams	SC-22.13	Hypothermophilic Multiprotein Complexes and Pathways for Energy Conservation and Catalysis	140
GEORGIA, UNIV. OF RES. FOUND. Athens, GA	DE-FG02-97ER20269 08/14/2007 Whitman	SC-22.13	Biochemistry and genetics of autotrophy in Methanococcus	50
GEORGIA, UNIV. OF RES. FOUND. Athens, GA	DE-FG02-97ER20275 06/14/2008 Momany	SC-22.13	Identification of Novel Cell Wall Components	62
GEORGIA, UNIV. OF RES. FOUND. Athens, GA	DE-FG02-96ER20221 06/14/2009 Bergmann, Albersheim	SC-22.13	Structures and Functions of Oligosaccharins	165
GEORGIA, UNIV. OF RES. FOUND. Athens, GA	DE-FG02-99ER20336 09/14/2007 Dean	SC-22.13	Localization and Function of Two Multicopper Oxidases in Arabidopsis thaliana	0
GEORGIA, UNIV. OF RES. FOUND. Athens, GA	DE-FG02-05ER15710 08/31/2011 Adams	SC-22.13	Fundamental Studies of Recombinant Hydrogenases	270
GEORGIA, UNIV. OF RES. FOUND. Athens, GA	DE-FG02-05ER15632 12/31/2006 Shelnutt	SC-22.12	Growth of Metal and Semiconductor Nanostructures using Localized Photocatalysts	0
GEORGIA, UNIV. OF RES. FOUND. Athens, GA	DE-FG02-01ER15226 05/31/2007 Schaefer	SC-22.1	Next Generation, Explicitly Correlated Electronic Structure Methods	80
GEORGIA, UNIV. OF RES. FOUND. Athens, GA	DE-FG02-03ER15415 08/14/2009 Ye	SC-22.13	Secondary Wall Formation in Fiber Cells	130
GEORGIA, UNIV. OF RES. FOUND. Athens, GA	DE-FG02-96ER14658 11/14/2011 Duncan	SC-22.11	Transition Metal-Molecular Interactions Studied with Cluster Ion Infrared Spectroscopy	132

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GEORGIA, UNIV. OF RES. FOUND. Athens, GA	DE-FG02-97ER14748 07/14/2009 Schaefer	SC-22.1	Theoretical Studies of Elementary Hydrocarbon Species and Their Reactions	115
GEORGIA, UNIV. OF RES. FOUND. Athens, GA	DE-FG02-05ER46251 08/31/2009 Zhao	SC-22.21	Integrated Nanoscale Metal Hydride- -Catalyst Architectures for Hydrogen Storage	500
MERCER UNIVERSITY Macon, GA	DE-FG02-04CH11189 03/30/2007 Goddard	SC-23	Architectural, Engineering and Construction Costs: Critical Personnel Development Program Mercer University	722
SCATTERING SOCIETY OF AMERICA Atlanta, GA	DE-FG02-06ER46301 06/14/2007 Wilkinson	SC-22.21	The American Conference on Neutron Scattering 2006 (June 18-22, 2006 - St. Charles, IL)	25
H GEORGIA COLLEGE & STATE UNIV Dahlonega, GA	DE-FG02-97ER41046 02/28/2009 Prior	SC-26.1	Radiative Capture and Gamma-Induced Reactions at Low Energies	90
Total for GA :				9,962

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
HAWAII, UNIVERSITY OF Honolulu, HI	DE-FG02-06ER41424 08/31/2007 Varner	SC-25	Development of a Photodetector Read Out Monolithic Precision Timing (PROMPT) Device	37
HAWAII, UNIVERSITY OF Honolulu, HI	DE-FG02-04ER41291 11/30/2009 Olsen, Tata	SC-25	Research in High Energy Physics	1,620
HAWAII, UNIVERSITY OF Honolulu, HI	DE-FG02-05ER41387 08/14/2009 Parker	SC-25	ADR: Fabrication and Testing of 3D Active-Edge Silicon Sensors: High Speed, High Yield	22
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	308
HAWAII, UNIVERSITY OF Honolulu, HI	DE-FG02-03ER15395 07/14/2007 Christopher	SC-22.13	Defining the Subcellular Locations and Biochemical Functions of Cyclic Nucleotide-Gated Channels in Plants	49
HAWAII, UNIVERSITY OF Honolulu, HI	DE-FG02-03ER15411 07/14/2009 Kaiser	SC-22.11	Probing the Reaction Dynamics of Hydrogen-Deficient Hydrocarbon Molecules and Radical Intermediates via Crossed	128
HAWAII, UNIVERSITY OF Honolulu, HI	DE-FG02-04ER63862 09/14/2008 Schneider	SC-23.3	Predictability and Diagnosis of Low-Frequency Climate Processes in the Pacific	61
HAWAII, UNIVERSITY OF Honolulu, HI	DE-FG02-06ER64293 08/31/2007 Wang	SC-23.3	Sensitivity of MJO to the CAPE Iapse Time in the NCAR CAM3	25
HAWAII, UNIVERSITY OF Honolulu, HI	DE-FG02-06ER64077 11/14/2008 Zeebe	SC-23.3	The Future of Marine Calcification: Forecasting Global Carbon Fluxes and Atmospheric CO2 Concentrations	207
Total for HI :				2,457

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
COE COLLEGE Cedar Rapids, IA	DE-FG02-06CH11389 12/30/2006 White, Meisterling	SC-23	Research Equipment Purchase and Renovations in Stuart Hall	289
DUBUQUE, UNIVERSITY OF Dubuque, IA	DE-FG02-04CH11197 03/31/2007 Steiner, Wagner	SC-23	Renovation and Expansion of the Environmental Science Center	674
IOWA STATE UNIVERSITY Ames, IA	DE-FG02-87ER40371 06/14/2011 Vary, Qiu	SC-26.1	Intermediate/High Energy Nuclear Physics	203
IOWA STATE UNIVERSITY Ames, IA	DE-FG02-05ER25677 08/14/2009 Wang	SC-21.1	High-Order Spectral Volume Method for the Navier-Stokes Equations on Unstructured Tetrahedral Grids	121
IOWA STATE UNIVERSITY Ames, IA	DE-FG02-03ER25550 08/14/2007 Subramaniam	SC-21.1	Developing New Mathematical Models for Multiphase Flows Based on a Fundamental Probability Density Function Approach	0
IOWA STATE UNIVERSITY Ames, IA	DE-FG02-94ER20147 08/31/2010 Rodermel	SC-22.13	Regulation of chloroplast biogenesis: the immutans mutant of Arabidopsis	0
IOWA STATE UNIVERSITY Ames, IA	DE-FG02-05ER15706 07/31/2009 James	SC-22.13	Regulation of Starch Biosynthesis in Maize Kernels: Function of Starch Synthase III	120
IOWA STATE UNIVERSITY Ames, IA	DE-FG02-01ER15170 07/31/2008 Nikolau	SC-22.13	Acetyl-CoA: the precursor for high-energy phytochemicals	130
IOWA STATE UNIVERSITY Ames, IA	DE-FG02-92ER40692 11/14/2009 Hill	SC-26.1	Relativistic Heavy Ion Physics	546
IOWA STATE UNIVERSITY Ames, IA	DE-FG02-01ER41155 10/31/2009 Krennrich, Cochran	SC-25	Investigations in Experimental and Theoretical High Energy Physics	1,123
IOWA STATE UNIVERSITY Ames, IA	DE-FG02-04ER63868 07/31/2008 Wu	SC-23.3	Evaluating the Representation and Impact of Convective Momentum Transport in CCSM Atmosphere Model	127
IOWA STATE UNIVERSITY Ames, IA	DE-FG02-01ER63250 03/14/2011 Gutowski	SC-23.3	Collaborative Research: Continuous Dynamic Grid Adaptation in a Global Atmospheric Model: Application and Refinement	192
IOWA, UNIVERSITY OF Iowa City, IA	DE-FG02-05ER64050 01/14/2009 Spitz	SC-23.2	Mitochondrial-Derived Oxidants and Cellular Responses to Low Dose/Low LET Ionizing Radiation	336
IOWA, UNIVERSITY OF Iowa City, IA	DE-FG02-06ER41415 05/31/2009 Onel	SC-26.1	Forward Angle Physics at CMS	130
IOWA, UNIVERSITY OF Iowa City, IA	DE-FG02-06ER54890 07/31/2009 Kletzing	SC-24.2	Collaborative Research: Laboratory Investigation of Alfvénic Field Line Resonances and Electron Acceleration	162

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
IOWA, UNIVERSITY OF Iowa City, IA	DE-FG02-06ER54893 07/31/2009 Scudder	SC-24.2	Role of Electron Kinetic Effect on the Macroscopic Structure and Evolution of Collisionless Reconnection in Simulations with Open Boundary Conditions	100
IOWA, UNIVERSITY OF Iowa City, IA	DE-FG02-04ER54795 08/14/2010 Merlino	SC-24.2	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 06/30/2009 Skiff	SC-24.2	Linear and Nonlinear Phenomena in Weakly Collisional Plasma	193
IOWA, UNIVERSITY OF Iowa City, IA	DE-FG02-00ER54607 08/14/2009 Goree	SC-24.2	Strongly-Coupled Dusty Plasmas	200
IOWA, UNIVERSITY OF Iowa City, IA	DE-FG02-86ER40286 05/31/2010 Polyzou	SC-26.1	Relativistic Few-Body Hadronic-Physics Calculations	117
IOWA, UNIVERSITY OF Iowa City, IA	DE-FG02-91ER40664 02/28/2010 Mallik	SC-25	High Energy Physics	579
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	962
Total for IA :				6,518

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
IDAHO STATE UNIVERSITY Pocatello, ID	DE-FG02-06ER15824 08/31/2009 Magnuson	SC-22.12	Redox Interactions of Cytochromes and Bacteria With Oxide Surfaces: Probing Redox-Linked Conformational Change	88
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	415
IDAHO STATE UNIVERSITY Pocatello, ID	DE-FG02-04ER63626 05/14/2008 Magnuson	SC-23.4	Comparative Biochemistry and Physiology of Iron-Respiring Bacteria From Acidic and Neutral pH Environments	194
IDAHO, UNIVERSITY OF Moscow, ID	DE-FG07-02ER63486 09/14/2006 Smith	SC-23.4	Co-precipitation Trace Metals in Groundwater & Vadose Zone Calcite: In Situ Containment & Stabilization of Stronthium-90 & Other Divalent Metals &	0
IDAHO, UNIVERSITY OF Moscow, ID	DE-FG02-03ER63567 01/14/2007 Smith	SC-23.4	Coupled Flow and Reactivity in the Variably Saturated Porous Media	0
IDAHO, UNIVERSITY OF Moscow, ID	DE-FG07-02ER63499 09/14/2005 Nicholl	SC-23.4	Advanced Conceptual Models for Unsaturated and Two-Phase Flow in Fractured Rock	-86
IDAHO, UNIVERSITY OF Moscow, ID	DE-FG02-06ER64198 11/30/2009 Crawford	SC-23.4	Coupled Biogeochemical Process Evaluation for Conceptualizing Trichloroethylene Co-metabolism	190
IDAHO, UNIVERSITY OF Moscow, ID	DE-FG02-06ER64244 02/28/2009 Smith	SC-23.4	Coupling Between Flow and Precipitation in Heterogeneous Subsurface Environments and Effects on Contaminant Fate and Transport	90
IDAHO, UNIVERSITY OF Moscow, ID	DE-FG02-03ER41270 07/31/2009 Sammarruca	SC-26.1	The Nuclear Equation of State: a Broad View from Terrestrial and Astrophysical Systems	45
IDAHO, UNIVERSITY OF Moscow, ID	DE-FG02-03ER46034 03/31/2007 Wood	SC-22.23	The Effect of Organic Ligands on the Sorption of Neodymium, Gadolinium and Uranium onto Nontronite and Geothite	0
IDAHO, UNIVERSITY OF Moscow, ID	DE-FG02-06ER15777 04/30/2009 Qiang	SC-22.12	Reaction Specificity of Nanoparticles in Solution: Application to the Reaction of Nanoparticulate Iron & Iron-Bimetal	53
Total for ID :				989

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands)
				FY 2006
BENEDICTINE UNIVERSITY Lisle, IL	DE-FG02-06CH11386 09/30/2007 Taylor	SC-23	Science Lab Equipment Project to Upgrade Science Laboratory Facilities	337
CHICAGO, UNIV. OF HOSPITALS Chicago, IL	DE-FG02-06CH11453 06/30/2009 McGrath, Gibson	SC-23	Equipment for New Pediatric Specialty Care Center	962
CHICAGO, UNIVERSITY OF Chicago, IL	DE-FG02-96ER14675 08/14/2009 Norris	SC-22.13	Supermolecular Photosynthetic Arrays: Construction, Characterization, Exploration and Utilization	230
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	697
CHICAGO, UNIVERSITY OF Chicago, IL	DE-FG02-92ER14244 11/14/2011 Sutton	SC-22.1	Synchrotron X-Ray Microprobe and Microspectroscopy Research In Low Temperature Geochemistry	148
CHICAGO, UNIVERSITY OF Chicago, IL	DE-FG02-87ER13679 04/30/2007 Light	SC-22.1	Quantum Dynamics of Gas Phase Reactions	0
CHICAGO, UNIVERSITY OF Chicago, IL	DE-FG02-01ER15254 01/31/2011 Richter	SC-22.12	Kinetic Isotope Fractionation by Diffusion in Liquids	142
CHICAGO, UNIVERSITY OF Chicago, IL	DE-FG02-98ER14849 04/30/2007 Bosnich	SC-22.1	Supramolecular Recognition in Separation Technology	130
CHICAGO, UNIVERSITY OF Chicago, IL	DE-FG02-90ER40560 10/31/2009 Martinec	SC-25	Participation in High Energy Physics	935
CHICAGO, UNIVERSITY OF Chicago, IL	DE-FG02-91ER40606 03/14/2007 Olinto	SC-26.1	Nuclear Physics and Astrophysics	0
CHICAGO, UNIVERSITY OF Chicago, IL	DE-FG02-04ER15615 08/31/2008 Bray	SC-22.13	Molecular-Genetic Analysis of Osmoregulation, Osmotic Adjustment and Growth in Arabidopsis	120
CHICAGO, UNIVERSITY OF Chicago, IL	DE-FG02-96ER20240 08/31/2008 Preuss	SC-22.13	Cell-Cell Interactions during pollen tube guidance	131
CHICAGO, UNIVERSITY OF Chicago, IL	DE-FG02-06ER46326 08/14/2009 Guyot-Sionnest	SC-22.22	Colloidal Quantum Dot Films. Transport and Magnetotransport	147
CHICAGO, UNIVERSITY OF Chicago, IL	DE-FG02-06ER46321 08/14/2009 Rice	SC-22.23	Experimental and Theoretical Studies of the Liquid-Solid and Liquid-Vapor Interfaces of Metals and Alloys	150
CHICAGO, UNIVERSITY OF Chicago, IL	DE-FG02-99ER45789 11/30/2011 Rosenbaum	SC-22.22	Coherent Excitations in Disordered Quantum Materials	143

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CHICAGO, UNIVERSITY OF Chicago, IL	DE-FG02-06ER41426 08/31/2009 Frisch	SC-25	The Development of Large-Area, Picosecond Resolution, Time-of-Flight Detectors	100
CHICAGO, UNIVERSITY OF Chicago, IL	DE-FG02-04ER63786 03/14/2008 Kent	SC-23.2	Chemical Methods for the Production of Proteins, of Protein and Peptide Reagents, and for the Characterization of Protein Complexes	524
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	233
DEPAUL UNIVERSITY Chicago, IL	DE-FC02-06ER41441 03/14/2011 Di Pierro	SC-25	National Computational Infrastructure for Lattice Gauge Theory	32
DEPAUL UNIVERSITY Chicago, IL	DE-FG02-05CH11284 08/30/2006 Janis, Petcher	SC-23	Congressionally-mandated Construction Grant for "Biology Laboratory Renovations"	0
ILLINOIS INST. OF TECHNOLOGY Chicago, IL	DE-FC02-06ER41442 03/14/2011 Sun	SC-25	National Computational Infrastructure for Lattice Gauge Theory	15
ILLINOIS INST. OF TECHNOLOGY Chicago, IL	DE-FG02-01ER41159 01/14/2011 Kaplan	SC-25	Participation in Muon Collider/Neutrino Factory Research and Development	85
ILLINOIS INST. OF TECHNOLOGY Chicago, IL	DE-FG02-94ER40840 03/31/2009 White	SC-25	Participation in High Energy Physics	230
ILLINOIS INST. OF TECHNOLOGY Chicago, IL	DE-FG02-06ER64276 07/14/2008 Andrews	SC-23.2	Incidence and Impacts of Nano Patents	221
ILLINOIS INST. OF TECHNOLOGY Chicago, IL	DE-FG02-05ER64004 06/30/2007 Wasan	SC-23.4	Foaming and Antifoaming and Gas Entrainment in Radioactive Waste Pretreatment and Immobilization Processes	205
ILLINOIS, UNIVERSITY OF Champaign, IL	DE-FG02-04ER63849 12/31/2009 DeLucia	SC-23.3	Genomic Regulation of the Response of an Agroecosystem to Elements of Global Change	1,001
ILLINOIS, UNIVERSITY OF Champaign, IL	DE-FG07-02ER63502 09/14/2005 Minsker	SC-23.4	A New Framework for Adaptive Sampling and Analysis During Long-Term Monitoring and Remedial Action Management	0
ILLINOIS, UNIVERSITY OF Champaign, IL	DE-FG02-02ER63337 12/31/2009 McFarquhar	SC-23.3	Improvements in Representations of Cloud Microphysics for BBHRP and Models Using Data Collected during MFACE and TWP-ICE	142
ILLINOIS, UNIVERSITY OF Champaign, IL	DE-FG02-06ER64261 06/30/2009 Walsh	SC-23.3	Use of ARM Products in Reanalysis Applications and IPCC Model Assessment	89
ILLINOIS, UNIVERSITY OF Champaign, IL	DE-FG02-06ER64207 03/14/2009 Werth	SC-23.4	Influence of Wetting and Mass Transfer Properties of Organic Chemical Mixtures in Vadose Zone Materials on Groundwater	292

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ILLINOIS, UNIVERSITY OF Champaign, IL	DE-FG02-05ER64144 09/14/2009 Woese	SC-23.2	Role of Horizontal Gene Transfer as a Control on the Coevolution of Ribosomal Proteins and the Genetic Code	312
ILLINOIS, UNIVERSITY OF Champaign, IL	DE-FG02-03ER41281 08/31/2007 Gollin	SC-25	Investigations of Novel Schemes for Injection/Extraction Kickers	16
ILLINOIS, UNIVERSITY OF Champaign, IL	DE-FG02-03ER46026 07/31/2010 Johnson	SC-22.22	A Thermodynamic Density-Functional Theory and High-Performance Code for Complex Materials with up to Multi-Million-Atom Unit Cells	0
ILLINOIS, UNIVERSITY OF Champaign, IL	DE-FG02-02ER46011 08/31/2007 Flynn	SC-22.23	Fundamental Investigations of Nanoscale Phenomena in Beam-Assisted Nucleation, Growth and Surface-Smoothing, Using In	0
ILLINOIS, UNIVERSITY OF Champaign, IL	DE-FG02-02ER46019 11/30/2009 Granick	SC-22.23	Structure, Stabilized Phospholipid Vesicles	0
ILLINOIS, UNIVERSITY OF Champaign, IL	DE-FG02-01ER45923 03/14/2011 Zuo	SC-22.21	Quantitative Electron Nano-Crystallography	129
ILLINOIS, UNIVERSITY OF Champaign, IL	DE-FG02-01ER45941 02/14/2007 Lewis	SC-22.23	Nanoparticle Engineering of Complex Fluid Behavior	0
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	0
ILLINOIS, UNIVERSITY OF Champaign, IL	DE-FG02-06ER46285 06/30/2009 Abbamonte	SC-22.21	Intrinsic and Engineered Electronic Nanostructure in Transition Metal Oxides	196
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-FG02-99ER54515 01/14/2011 Ruzic	SC-24.2	Surface Interactions for Controlled Nuclear Fusion	200
ILLINOIS, UNIVERSITY OF Champaign, IL	DE-FG02-01ER63179 08/14/2007 Lu	SC-23.4	New Catalytic DNA Biosensors for Radionuclides and Metal ions	161
ILLINOIS, UNIVERSITY OF Champaign, IL	DE-FC02-01ER25487 09/28/2007 Pennington	SC-21.1	Scalable Systems Software Enabling Technology Center	0
ILLINOIS, UNIVERSITY OF Champaign, IL	DE-FG02-03ER25560 09/14/2007 Snir	SC-21.1	Design Patterns for Parallel Programming	0
ILLINOIS, UNIVERSITY OF Champaign, IL	DE-FG02-05ER25688 08/14/2008 Zhou	SC-21.1	Run-Time Support for Debugging Parallel Programs on Large Scale Systems	99

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ILLINOIS, UNIVERSITY OF Champaign, IL	DE-FC02-06ER25752 09/14/2011 Johnson, Snir	SC-21.1	Center for Programming Models for Scalable Parallel Computing	200
ILLINOIS, UNIVERSITY OF Champaign, IL	DE-FG02-91ER40677 10/31/2009 Liss, Thaler	SC-25	Research on Elementary Particle Physics	2,283
ILLINOIS, UNIVERSITY OF Champaign, IL	DE-FG02-90ER14146 02/28/2009 Rauchfuss	SC-22.12	Cyanometallates, Their Cages, and Associated Host-Guest Behavior	160
ILLINOIS, UNIVERSITY OF Champaign, IL	DE-FG02-00ER15028 12/31/2007 Kirkpatrick	SC-22.1	Computational and Spectroscopic Investigations of the Molecular Scale Structure and Dynamics of Geologically Important Fluids and Mineral-Fluid	216
ILLINOIS, UNIVERSITY OF Champaign, IL	DE-FG02-99ER14993 10/31/2006 Wieckowski	SC-22.1	Catalytic Nanoparticles for DMFC and DFAFC: Reaction Rates, Local Densities of States, and Oxygen Shuttling Pathways	50
ILLINOIS, UNIVERSITY OF Chicago, IL	DE-FG02-03ER15381 01/14/2012 Sturchio	SC-22.1	Mineral-Fluid Interactions: Synchrotron Radiation Studies at the Advanced Photon Source	51
ILLINOIS, UNIVERSITY OF Chicago, IL	DE-FG02-02ER15364 10/31/2007 Nagy	SC-22.1	Nanoscale Reactivity of Clays, Clay Analogues (Micas), and Clay Minerals	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	90
ILLINOIS, UNIVERSITY OF Chicago, IL	DE-FG02-85ER13384 04/14/2009 Kiefer	SC-22.1	Kinetics of Combustion-Related Processes at High Temperatures	125
ILLINOIS, UNIVERSITY OF Chicago, IL	DE-FG02-96ER14680 06/14/2009 Murad	SC-22.1	Computer Simulation of Transport Processes Across Structured Membranes	70
ILLINOIS, UNIVERSITY OF Chicago, IL	DE-FG02-84ER40173 06/30/2009 Keung	SC-25	Studies in Theoretical High Energy Particle Physics	40
ILLINOIS, UNIVERSITY OF Chicago, IL	DE-FG02-03ER25566 08/31/2008 Yu	SC-21.1	ISOGA: Integrated Services Optical Grid Architecture for Emerging E-Science Collaborative Applications	0
ILLINOIS, UNIVERSITY OF Chicago, IL	DE-FG02-05ER15726 06/14/2009 Trenary	SC-22.12	Reversible Dehydrogenation of Boron Nanoclusters	120
ILLINOIS, UNIVERSITY OF Chicago, IL	DE-FG02-01ER41195 07/31/2010 Stephanov	SC-26.1	Theoretical Studies of Strongly Interacting Matter	63
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	433

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ILLINOIS, UNIVERSITY OF Chicago, IL	DE-FG02-06ER64193 02/28/2009 Nagy	SC-23.4	Nucleation and Precipitation Processes in the Vandose Zone During Contaminant Transport	200
ILLINOIS, UNIVERSITY OF Chicago, IL	DE-FG02-06ER64285 08/14/2008 Banerjee	SC-23.2	Integrated Bioengineering Institute	722
ILLINOIS, UNIVERSITY OF Urbana, IL	DE-FG02-06ER64195 04/30/2009 Jain	SC-23.3	Integrated Dynamic Global Modeling of Land Use, Energy, and Economic Growth	180
ILLINOIS, UNIVERSITY OF Urbana, IL	DE-FG02-91ER45439 06/30/2008 Lewis	SC-22.21	Functional and Nanoscale Materials Systems: Frontier Programs of Science at the Frederick Seitz Materials Research	7,025
ILLINOIS, UNIVERSITY OF Urbana, IL	DE-FG02-88ER13949 01/31/2007 Bohn	SC-22.1	Molecular Aspects of Transport in Thin Films of Controlled Architecture	110
ILLINOIS, UNIVERSITY OF Urbana, IL	DE-FG02-87ER13716 08/31/2010 Gennis	SC-22.13	Studies on Cytochrome bo3 from E. coli	149
ILLINOIS, UNIVERSITY OF Urbana, IL	DE-FG02-03ER15476 09/14/2009 Johnson, Nuzzo	SC-22.12	Reactivity & Structural Dynamics of Supported Metal Nanoclusters using Electron Microscopy, In-Situ X-Ray Spectroscopy, Elec. Struc. Theories, &	483
JUDSON COLLEGE Elgin, IL	DE-FG02-04CH11219 08/31/2007 Kaiser, Malmquist	SC-23	Harm A. Weber Library and Academic Center at Judson College	0
MIDWESTERN UNIVERSITY Downers Grove, IL	DE-FG02-06CH11440 12/31/2006 Dobbelaere, O'Brien	SC-23	Wellness Center Construction	289
NORTHERN ILLINOIS UNIVERSITY DeKalb, IL	DE-FG02-04ER63869 07/31/2008 Song	SC-23.3	The Role of Soil and Vegetation in the Future Climate	67
NORTHERN ILLINOIS UNIVERSITY DeKalb, IL	DE-FG02-06ER41421 07/31/2007 Piot	SC-25	12th Advanced Accelerator Concepts Workshop (July 9-15, 2006 - Grand Geneva Hotel)	60
NORTHERN ILLINOIS UNIVERSITY DeKalb, IL	DE-FG02-06ER41435 08/31/2009 Piot	SC-25	Longitudinal Phase Space Monitors for the ILC Injectors and Bunch Compressors	54
NORTHERN ILLINOIS UNIVERSITY DeKalb, IL	DE-FG02-03ER46097 09/14/2009 van Veenendaal	SC-22.22	X-ray Scattering and Absorption in Transition-Metal Compounds	280
NORTHERN ILLINOIS UNIVERSITY DeKalb, IL	DE-FG02-04ER41323 01/31/2008 Piot	SC-25	Nonlinear Dynamics of High-Brightness Electron Beams and Beam-Plasma Interactions: Theories, Simulations, and	100
NORTHERN ILLINOIS UNIVERSITY DeKalb, IL	DE-FG02-02ER41223 08/14/2007 Chakraborty	SC-25	Development of Extruded Scintillator and Single Bit Tracking Calorimetry	0

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NORTHERN ILLINOIS UNIVERSITY DeKalb, IL	DE-FG02-06ER46334 08/14/2009 Xiao	SC-22.23	One-Dimensional Mesostructures of NbSe2 and NbN Superconductors	71
NORTHWESTERN UNIVERSITY Chicago, IL	DE-FG02-04CH11193 05/31/2006 Stupp, Persaud	SC-23	IBNAM Clean Room Project	0
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-06ER46346 08/31/2009 Chandrasekhar	SC-22.21	Epitaxial Multifunctional Oxide Heterostructures	178
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-06ER46320 07/31/2008 Marks	SC-22.23	Engineered Electrodes and Electrode-Organic Interfaces for High-Efficiency Organic Photovoltaics	210
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
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-05ER46248 06/30/2011 Halperin	SC-22.22	Antiferromagnetism and Superconductivity	120
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-05ER41395 08/31/2008 Seidman	SC-25	3D Atom-Probe Microscopy on Niobium for SRF Cavities	45
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-98ER41086 12/31/2009 Segel	SC-26.1	Physics with Rare Isotope Beams	55
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-91ER40684 11/30/2009 Buchholz	SC-25	High Energy Physics Research	1,096
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-03ER46069 02/14/2008 Golovin	SC-22.23	Self-Organized Highly Regular Nanostructures in Polymer Films	174
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-02ER46002 08/31/2007 Weertman	SC-22.21	Microstructural Changes and Deformation Processes of Nanocrystalline Cu Under Constant and Time-Dependent Stresses	125
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-01ER45945 03/14/2011 Marks	SC-22.21	New Methods for Atomic Structure Determination of Materials	161
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-01ER45910 04/30/2006 Voorhees	SC-22.21	Computational Investigations of Crystal-Melt Interfaces in Metals and Alloys	0
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	166
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-88ER45372 03/31/2009 Freeman	SC-22.22	Electronic Structure and Novel Properties in Complex Oxides and Hetero-Interfaces	121

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NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-05ER41397 08/31/2009 Velasco	SC-25	Development of Beam Instrumentation for CLIC at the CTF3 Facility at CERN	45
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	82
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-99ER45782 08/14/2011 Voorhees	SC-22.23	Three-Dimensional Evolution of Dendritic Mixtures	56
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-00ER45810 05/14/2011 Stupp	SC-22.23	Nanoengineering of Complex Materials	613
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-05ER15643 02/28/2007 Geiger	SC-22.12	Support for Speakers and Attendees at the "Environmental Surfaces" Focus Session at the 2005 March Meeting of the American Physical Society	0
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 05/31/2009 Geiger	SC-22.12	Surface Charge Densities and Acidities of Biogeochemically Important Organic Adlayers at Mineral/Water Interfaces Studied by Nonlinear Optics	48
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FC02-01ER25485 08/14/2008 Choudhary	SC-21.1	Scientific Data Management Integrated Software Infrastructure Center	207
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-87ER25047 01/14/2011 Nocedal	SC-21.1	Nonlinear Optimization and Applications	130
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-05ER25683 08/31/2007 Choudhary	SC-21.1	Programming Models for HPCS: I/O Models and Runtime Interface	0
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-05ER25691 08/14/2008 Memik	SC-21.1	High Performance Networking Hardware Design	99
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-05ER25692 08/14/2009 Chen	SC-21.1	HPNAIDM: The High-Performance Network Anomaly/Intrusion Detection and Mitigation System	99
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-06ER25743 08/14/2007 Mambretti	SC-21.1	Optical Network Testbed Workshop III - September 14-15, 2006	18
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-87ER40344 11/30/2010 Seth	SC-26.1	Strong Interaction Studies with Medium Energy Probes	300
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-03ER15457 05/31/2009 Stair	SC-22.1	Institute for Catalysis in Energy Processes	1,000

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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	170
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-04ER15522 06/30/2010 Ibers	SC-22.12	Actinide Transition-Metal Chalcogenides and Pnictides	125
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-01ER15244 04/30/2011 Hupp	SC-22.1	Coordination-Chemistry-Derived Materials Featuring Nanoscale Porosity and Selective Chemical Separation	205
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	138
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-99ER14999 04/14/2009 Wasielewski	SC-22.13	Approaches to Integrated Photochemical Systems for Solar Energy Conversion	275
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-97ER14789 10/31/2009 Stair	SC-22.1	Raman Spectroscopy of Working Catalysts	125
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	145
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-95ER14534 11/30/2007 Ottino	SC-22.23	Dynamics of Segregation and Mixing of Granular Matter	0
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-92ER14303 08/14/2005 Riecke	SC-22.23	Stability and Dynamics of Spatio-Temporal Structures	0
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	113
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-87ER13808 05/14/2009 Hupp	SC-22.1	Fundamental Studies of Light-Induced Charge Transfer, Energy Transfer, and Energy Conversion with Supramolecular	190
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-02ER63457 08/31/2007 Hatzimanikatis	SC-23.2	A Computational Framework for the Discovery of Novel Biotransformations	0
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-05ER64110 08/14/2007 Woloschak	SC-23.2	Radiation Risk From Chronic Low Dose-Rate Radiation Exposures: The Role of Life-Time Animal Studies - Workshop October 2005	0
NORTHWESTERN UNIVERSITY Evanston, IL	DE-FG02-05ER64100 07/31/2007 Woloschak	SC-23.2	Adaptive Response Mechanisms After Chronic Whole-Body Exposure to Low LET Radiation	0
OLIVEIT NAZARENE UNIVERSITY Bourbonnais, IL	DE-FG02-06CH11385 05/31/2007 Alderson	SC-23	University Science Lab	289

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SOUTHERN ILLINOIS UNIVERSITY Carbondale, IL	DE-FG02-98ER62689 09/14/2006 Achenbach	SC-23.4	Immobilization of Radionuclides Through Anaerobic Bio-oxidation of Fe(II)	0
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	200
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	148
SOUTHERN ILLINOIS UNIVERSITY Carbondale, IL	DE-FG02-88ER13941 06/30/2008 Clark	SC-22.13	Regulation of Alcohol Fermentation by Escherichia coli	47
WAUBONSEE COMMUNITY COLLEGE Sugar Grove, IL	DE-FG02-05CH11263 09/30/2007 Bota, Leatherbury	SC-23	Continuation of Funding for Construction of New Science Building	1,925
Total for IL :				32,438

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BALL STATE UNIVERSITY Muncie, IN	DE-FG02-05ER64092 07/31/2007 Trappe	SC-23.2	Bioenergetics Research Initiative	0
BALL STATE UNIVERSITY Muncie, IN	DE-FG02-06ER64286 08/14/2008 Smitherman	SC-23.2	Science Literacy	385
BETHEL COLLEGE, INC. Mishawaka, IN	DE-FG02-06CH11459 11/30/2007 Myers	SC-23	Construction of New Science Facility at Bethel College	289
INDIANA STATE UNIVERSITY Terre Haute, IN	DE-FG02-06ER46304 08/14/2009 Zhang	SC-22.22	Laser-Induced Ultrafast Magnetization in Ferromagnets	100
INDIANA UNIV. SCHOOL OF MED. Indianapolis, IN	DE-FG02-04CH11233 06/30/2007 Fife	SC-23	Congressionally-Mandated Funding for "Information Sciences Building"	0
INDIANA UNIVERSITY Bloomington, IN	DE-FG02-06ER46279 03/14/2009 Pynn	SC-22.21	Development of New Methods to Study Materials Structure using Spin Echo Scattering Angle Measurement (SESAME) of Neutrons	203
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	110
INDIANA UNIVERSITY Bloomington, IN	DE-FC02-06ER41443 03/14/2011 Gottlieb	SC-25	National Computational Infrastructure for Lattice Gauge Theory	25
INDIANA UNIVERSITY Bloomington, IN	DE-FG02-03ER46093 11/14/2009 Snow	SC-22.21	Polarized 3He in Neutron Scattering	0
INDIANA UNIVERSITY Bloomington, IN	DE-FG02-92ER40747 08/14/2009 Lee	SC-25	Physics of Beam Cooling, Space Charge Effects, and Beam Manipulation Technologies in High Energy Accelerators	220
INDIANA UNIVERSITY Bloomington, IN	DE-FC02-03ER41275 08/14/2007 Baker	SC-26.1	Shedding New Light on Exploding Stars: Visualization for TeraScale Simulations of Neutrino-Driven Supernovae and their	0
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	235
INDIANA UNIVERSITY Bloomington, IN	DE-FG02-02ER15312 02/14/2009 Estelle	SC-22.13	Function of the Arabidopsis T1R1/AFB Auxin Receptors in Growth and Development	140
INDIANA UNIVERSITY Bloomington, IN	DE-FG02-01ER15223 09/14/2008 Hangarter	SC-22.13	Regulation of Plastid Development During Embryo Maturation and Seed Germination	120
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	130

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
INDIANA UNIVERSITY Bloomington, IN	DE-FG02-00ER15032 03/31/2009 Schimmelmann	SC-22.12	Significance of Isotopically Labile Organic Hydrogen in the Thermal Maturation of Source Rocks	140
INDIANA UNIVERSITY Bloomington, IN	DE-FG02-88ER13906 10/31/2006 Caulton	SC-22.1	Targeted Ligand Design and Application: A Product Adapted Geometry Ligand for Hydrocarbon Functionalization	120
INDIANA UNIVERSITY Bloomington, IN	DE-FC02-01ER25492 12/31/2006 Gannon	SC-21.1	Center for Component Technology for Terascale Simulation Software	0
INDIANA UNIVERSITY Bloomington, IN	DE-FC02-01ER25451 07/31/2007 Gannon	SC-21.1	Middleware Technology to Support Science Portals: A Gateway to the Grid	0
INDIANA UNIVERSITY Bloomington, IN	DE-FG02-04ER25600 08/14/2008 Plale	SC-21.1	Time-Based Data Streams: Fundamental Concepts for a Data Resource for Streams	99
INDIANA UNIVERSITY Bloomington, IN	DE-FG02-05ER25676 05/14/2008 Ortoleva	SC-21.1	Intercellular Genomics of Subsurface Microbial Colonies	289
INDIANA UNIVERSITY Bloomington, IN	DE-FG02-87ER40365 03/31/2011 Horowitz, Serot, Szczepaniak	SC-26.1	Theoretical Studies in Nuclear and Hadronic Physics	266
INDIANA UNIVERSITY Bloomington, IN	DE-FG02-88ER40404 12/31/2009 De Souza	SC-26.1	Many-Body Nuclear Dynamics	297
INDIANA UNIVERSITY Bloomington, IN	DE-FG02-91ER40661 10/31/2009 Ogren, Kostelecky, Musser	SC-25	High Energy Experimental and Theoretical Particle Physics	1,505
INDIANA UNIVERSITY Bloomington, IN	DE-FC02-06ER25750 09/14/2011 Lumsdaine	SC-21.1	Coordinated Fault Tolerance for High Performance Computing	400
INDIANA UNIVERSITY Bloomington, IN	DE-FG02-04ER63871 07/31/2007 Temam	SC-23.3	Predictive Understanding of the Oceans' Wind-Driven Circulation on Interdecadal Time Scales	91
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	256
INDIANA UNIVERSITY Indianapolis, IN	DE-FG02-04ER63886 08/14/2007 Dunker	SC-23.2	Pacific Symposium on Biocomputing 2005 / 2006 / 2007	20
INDIANA WESLEYAN UNIVERSITY Marion, IN	DE-FG02-06CH11458 03/31/2008 Matter, Barnes, Jr.	SC-23	Indiana Wesleyan University, Registered Nursing Program	481
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	140

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands)
				FY 2006
NOTRE DAME, UNIVERSITY OF Notre Dame, IN	DE-FG02-06ER64263 06/30/2009 Hellmann	SC-23.2	Genomics Research on Terrestrial Insects and Aquatic Microorganisms as Indicators of Global Change	155
NOTRE DAME, UNIVERSITY OF Notre Dame, IN	DE-FG07-02ER63489 09/14/2006 Burns	SC-23.4	Phosphate Barriers for Immobilization of Uranium Plumes	0
NOTRE DAME, UNIVERSITY OF Notre Dame, IN	DE-FG02-04ER63730 11/30/2006 Burns	SC-23.4	Quantifying and Predicting Reactive Transport of Uranium in Waste Plumes: Are Colloids and Nanoparticles Important?	0
NOTRE DAME, UNIVERSITY OF Notre Dame, IN	DE-FG02-04ER63744 12/14/2007 LaVerne	SC-23.4	Hazardous and Corrosive Gas Production in the Radiolysis of Water/Organic Mixtures in Model TRU Waste	198
NOTRE DAME, UNIVERSITY OF Notre Dame, IN	DE-AC02-76ER00038 07/31/2004 Meisel	SC-22.1	Radiation and Photochemistry in the Condensed Phase	0
NOTRE DAME, UNIVERSITY OF Notre Dame, IN	DE-FG02-06CH11388 12/31/2008 O'Tousa	SC-23	University of Notre Dame Environmental Genomics Research Center	1,529
NOTRE DAME, UNIVERSITY OF Notre Dame, IN	DE-FG07-99ER14938 09/14/2003 Meisel	SC-23.4	The NOx System in Homogeneous and Homogeneous Nuclear Waste	0
NOTRE DAME, UNIVERSITY OF Notre Dame, IN	DE-FG02-02ER15323 11/14/2007 Maurice	SC-22.1	Controls on Molecular-Scale Microbial Responses to Metals: Interactions of Bacteria, Metals, and Environmental Nanoparticles	0
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	3,470
NOTRE DAME, UNIVERSITY OF Notre Dame, IN	DE-FG02-06ER25719 10/14/2006 Alber	SC-21.1	Biocomplexity VIII: Applications of Methods of Stochastic Systems and Statistical Physics in Biology - Workshop Oct 28-30, 2005	15
NOTRE DAME, UNIVERSITY OF Notre Dame, IN	DE-FG02-06ER15830 08/31/2009 Schneider	SC-22.12	Towards Realistic Models of Heterogeneous Catalysis: Simulations of Redox Catalysis From First Principles	140
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	124
NOTRE DAME, UNIVERSITY OF Notre Dame, IN	DE-FG02-00ER41145 07/31/2009 Losecco	SC-25	Research in CP Violation in the B Meson Sector & OJI Task-Optimizing Higgs Discovery Prospects at the Fermilab	186
PURDUE RESEARCH FOUNDATION West Lafayette, IN	DE-FG02-02ER45976 06/30/2011 Harris	SC-22.23	Virus Assemblies as Templates for Nanocircuits	100
PURDUE RESEARCH FOUNDATION West Lafayette, IN	DE-FG02-98ER62681 09/14/2007 Konopka	SC-23.4	Ecological Interactions Between Metals and Microbes	150

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
PURDUE RESEARCH FOUNDATION West Lafayette, IN	DE-FG02-99ER20342 08/31/2009 Sherman	SC-22.13	Diurnal Cycles and the Regulation of Metabolism in the Cyanobacterium <i>Synechocystis</i> sp. PCC 6803	120
PURDUE RESEARCH FOUNDATION West Lafayette, IN	DE-FG02-94ER20138 08/31/2007 Chapple	SC-22.13	Secondary metabolism in Arabidopsis	100
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	600
PURDUE RESEARCH FOUNDATION West Lafayette, IN	DE-FG02-02ER15357 09/14/2009 Szymanski	SC-22.13	The DISTORTED Genes: Functional Linkage of WAVE-ARP2/3, Endomembrane Dynamics, and Morphogenesis	120
PURDUE RESEARCH FOUNDATION West Lafayette, IN	DE-FG02-03ER15445 08/31/2008 McCann	SC-22.13	Rhamnogalacturonan I is a Principal Scaffolding Element in Plant Cell Wall Architecture	50
PURDUE RESEARCH FOUNDATION West Lafayette, IN	DE-FG02-03ER15466 09/14/2009 Delgass	SC-22.12	Catalyst Design by Discovery Informatics	832
PURDUE RESEARCH FOUNDATION West Lafayette, IN	DE-FG02-03ER15391 10/31/2010 Lucht	SC-22.11	Advanced Nonlinear Optical Methods for Quantitative Measurements in Flames	98
PURDUE RESEARCH FOUNDATION West Lafayette, IN	DE-FG02-04ER15526 05/14/2010 Staiger	SC-22.13	Regulation of Actin Filament Ends: The Role of Capping Proteins in Plant Growth and Lipid Signaling	120
PURDUE RESEARCH FOUNDATION West Lafayette, IN	DE-FG02-96ER14641 10/31/2011 Basaran	SC-22.12	Electrohydrodynamic Tip Streaming	155
PURDUE RESEARCH FOUNDATION West Lafayette, IN	DE-FG02-96ER14656 02/14/2010 Zwier	SC-22.11	Experimental Characterization of the Potential Energy Surfaces for Conformational and Structural	128
PURDUE UNIVERSITY West Lafayette, IN	DE-FG02-06ER64301 08/31/2009 Chaple	SC-23.2	Manipulation of Lignin Biosynthesis to Maximize Ethanol Production From Populus Feedstocks	1,000
PURDUE UNIVERSITY West Lafayette, IN	DE-FG02-06ER64163 11/30/2006 Thompson	SC-23.4	Elucidating the Molecular Basis & Regulation of Chromium(VI) Reduction by <i>Shewanella oneidensis</i> MR-1 & Resistance to	91
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	119
PURDUE UNIVERSITY West Lafayette, IN	DE-FG02-05ER64131 09/14/2009 Nnanna	SC-23.2	Water Environmental Institute	481
PURDUE UNIVERSITY West Lafayette, IN	DE-FG02-05ER63945 03/31/2009 Li	SC-23.2	Regulation of NF- κ B and MnSOD in Low Dose Radiation Induced Adaptive Protection of Mouse and Human Skin Cells	185

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
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	287
PURDUE UNIVERSITY West Lafayette, IN	DE-FG02-00ER15105 05/31/2009 McLucky	SC-22.1	The Dynamics and Thermodynamics of Gaseous Macro-ions	150
PURDUE UNIVERSITY West Lafayette, IN	DE-FG02-03ER15408 08/14/2009 Ribeiro	SC-22.12	Fundamental Studies on the Kinetics of Oxidation Reactions	146
PURDUE UNIVERSITY West Lafayette, IN	DE-FC02-06ER25789 09/14/2011 Grama	SC-21.1	Hierarchical Petascale Simulation Framework for Stress Corrosion Cracking	160
PURDUE UNIVERSITY West Lafayette, IN	DE-FG02-91ER40681 10/31/2011 Shipsey, Barnes, Gutay, Miller	SC-25	Experimental and Theoretical High Energy Physics Program	1,936
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	110
PURDUE UNIVERSITY West Lafayette, IN	DE-FG02-06ER15794 06/30/2009 Abu-Omar	SC-22.12	Silane Activation on a Single-Site Oxorhenium(V) Oxazoline Catalyst: A New Mechanistic Paradigm for Hydrogen	145
PURDUE UNIVERSITY West Lafayette, IN	DE-FG02-05ER15654 08/14/2008 Carpita	SC-22.13	Identifying the catalytic components of the maize mixed-linkage B-glucan synthase	120
PURDUE UNIVERSITY West Lafayette, IN	DE-FG02-06ER15804 07/14/2009 Murphy	SC-22.13	Analysis of MDR/PGP Auxin Transport Proteins and Their Contribution to Monocot Biomass, Structural Stability, and	130
PURDUE UNIVERSITY West Lafayette, IN	DE-FG02-06ER15807 07/14/2009 Cooks	SC-22.12	Preparative Mass Spectrometry to Create and Evaluate Size- and Composition-Selected Catalytic Particles	156
PURDUE UNIVERSITY West Lafayette, IN	DE-FG02-02ER41219 07/14/2007 Wang	SC-26.1	Systematic Studies of Heavy Ion Collisions to Search for Quark-Gluon Plasma	55
SAINT FRANCIS, UNIVERSITY OF Fort Wayne, IN	DE-FG02-06CH11428 01/31/2008 Tieben, Frazier	SC-23	Upgrading of and Replacement of Science Equipment at University of Saint Francis	241
Total for IN :				19,963

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
ER FOR RESEARCH, INC., UNIV OF Lawrence, KS	DE-FG02-04ER15504 12/31/2009 Chu	SC-22.1	Atomic and Molecular Physics in Strong Fields	95
ER FOR RESEARCH, INC., UNIV OF Lawrence, KS	DE-FG02-02ER15347 08/31/2005 Thompson	SC-22.1	Understanding Nanoscale Confinement Effects in Solvent-Driven Chemical Reactions	0
ER FOR RESEARCH, INC., UNIV OF Lawrence, KS	DE-FG02-06ER15792 06/30/2009 Malinakova	SC-22.12	Bis-pi-allylpalladium Complexes in Catalysis of Multi-component Reactions	130
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-FG02-96ER40981 05/31/2011 Sanders	SC-26.1	Research in Heavy-Ion Nuclear Physics at CMS	168
ER FOR RESEARCH, INC., UNIV OF Lawrence, KS	DE-FG02-04ER41288 02/14/2009 Shi	SC-25	Study of the Stability of Particle Motion in Storage Rings	100
ER FOR RESEARCH, INC., UNIV OF Lawrence, KS	DE-FG02-04ER41308 04/30/2010 Ralston	SC-25	Research in Theoretical Particle Physics	124
ER FOR RESEARCH, INC., UNIV OF Lawrence, KS	DE-FG02-04ER46113 01/31/2007 Murray	SC-22.21	States of the Vacuum - Research in Relativistic Heavy-Ion Nuclear Physics at BRAHMS	150
ER FOR RESEARCH, INC., UNIV OF Lawrence, KS	DE-FG02-04ER54790 07/31/2008 Medvedev	SC-24.2	Nonlinear Weibel Instability and Turbulence in Strong Collisionless Shocks	191
ER FOR RESEARCH, INC., UNIV OF Lawrence, KS	DE-FG02-03ER63656 12/14/2008 Steeple, Tsouflis	SC-23.4	Automating Shallow 3D Seismic Imaging	275
ER FOR RESEARCH, INC., UNIV OF Lawrence, KS	DE-FG02-04ER63745 11/30/2007 Bowman-James	SC-23.4	Supramolecular Chemistry of Selective Anion Recognition for Anions of Environmental Relevance	100
KANSAS STATE UNIVERSITY Manhattan, KS	DE-FG02-99ER41093 10/31/2010 Bolton	SC-25	Heavy Quark and Neutrino Physics	580
KANSAS STATE UNIVERSITY Manhattan, KS	DE-FG02-00ER45824 06/30/2007 Bolton	SC-22.21	Kansas Advanced Semiconductor Project (KASP)	0
KANSAS STATE UNIVERSITY Manhattan, KS	DE-FG02-03ER46058 09/30/2006 Rahman	SC-22.22	Theoretical and Computational Studies of Characteristics of Metallic Nanostructures	100
KANSAS STATE UNIVERSITY Manhattan, KS	DE-FG02-02ER46020 10/31/2006 Law	SC-22.21	Neutron and X-ray Reflectometry Study of Surface Critical Phenomena	0

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
KANSAS STATE UNIVERSITY Manhattan, KS	DE-FG02-96ER45604 10/31/2008 Jiang, Lin	SC-22.22	Optical and Electrical Properties of III-V Nitrides Wide Bandgap Semiconductors	151
KANSAS STATE UNIVERSITY Manhattan, KS	DE-FG02-06ER15832 08/31/2009 Lin	SC-22.11	Time-Resolved Imaging of Molecules by High-Order Harmonics and Ultra Short Rescattering Electrons	148
KANSAS STATE UNIVERSITY Manhattan, KS	DE-FG02-06ER15829 08/31/2009 Litvinyuk	SC-22.11	Developing Laser-Induced Re-Collision Electron Self-Diffraction for Ultra-Fast Imaging of Transient Molecular Structure	121
KANSAS STATE UNIVERSITY Manhattan, KS	DE-FG02-86ER13491 02/14/2010 Ben-Itzhak	SC-22.11	Structure and Dynamics of Atomics, Ions, Molecules and Surfaces	2,500
KANSAS STATE UNIVERSITY Manhattan, KS	DE-FG02-98ER14866 11/30/2005 Maatta	SC-22.1	New Vistas for Functionalized Polyoxometalates	0
KANSAS STATE UNIVERSITY Manhattan, KS	DE-FG02-03ER15465 10/31/2006 Rahman	SC-22.12	Controlling Structural, Electronic, and Energy Flow Dynamics of Catalytic Processes Through Tailored Nanostructures	145
MIDAMERICA NAZARENE UNIVERSITY Olathe, KS	DE-FG02-06CH11454 12/31/2008 Douglas	SC-23	MidAmerica Nazarene University Regional Nursing Shortage Initiative	722
Total for KS :				5,933

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
KENTUCKY, UNIV. OF RES FOUND Lexington, KY	DE-FG02-84ER40154 01/31/2010 Liu	SC-26.1	Research in Theoretical Nuclear Physics	144
KENTUCKY, UNIV. OF RES FOUND Lexington, KY	DE-FG02-92ER20075 06/30/2009 Houtz	SC-22.13	Structure/Function Relationships in the Chloroplast-Localized SET Domain Protein Methyltransferase Rubisco LSMT and Functional Assessment of Lysyl Methylation	50
KENTUCKY, UNIV. OF RES FOUND Lexington, KY	DE-FG02-97ER20270 08/31/2008 DeMoll	SC-22.13	Acetyl-CoA Cleavage and Synthesis in Methanogens: Biochemistry and Targeted Mutational Analysis of Electron Transfer	50
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	60
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	153
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	100
KENTUCKY, UNIV. OF RES FOUND Lexington, KY	DE-FG02-03ER46033 02/14/2007 Rankin	SC-22.23	Engineering the Evaporation-Driven Assembly of Nanostructured Ceramics	0
KENTUCKY, UNIV. OF RES FOUND Lexington, KY	DE-FG02-00ER45817 05/31/2009 Menon	SC-22.22	Magnetism in Low-Dimensional Carbon Materials	118
KENTUCKY, UNIV. OF RES FOUND Lexington, KY	DE-FG02-00ER45832 06/30/2007 Stencel	SC-22.21	Kentucky DOE/EPSCoR Program	0
KENTUCKY, UNIV. OF RES FOUND Lexington, KY	DE-FG02-04ER63889 08/14/2006 Kaplan	SC-23.2	Program in Functional Genomics of Autoimmunity and Immunology of the University of Kentucky and the University of Alabama	0
LE RES. FOUND., INC., UNIV. OF Louisville, KY	DE-FG02-98ER41089 09/14/2009 Brown	SC-25	Contributions to Studies of CP Violation and Hadronic Physics with the Babar Collaboration	100
LE RES. FOUND., INC., UNIV. OF Louisville, KY	DE-FG02-05ER64071 06/30/2009 Sunkara	SC-23.2	Institute for Advanced Materials	1,443
Total for KY :				2,218

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
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	400
SIANA STATE UNIV. AND A&M COL. Baton Rouge, LA	DE-FG02-06ER25730 08/14/2009 Sterling	SC-21.1	A Framework for Adaptable Operating and Runtime Systems	117
LOUISIANA STATE UNIVERSITY Baton Rouge, LA	DE-FG02-03ER46041 05/14/2008 Dutrow	SC-22.21	Thermal-Chemical-Mechanical Feedback During Fluid-Rock Interactions: Implications for Chemical Transport &	0
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	140
LOUISIANA STATE UNIVERSITY Baton Rouge, LA	DE-FG02-01ER15267 08/31/2007 Maverick	SC-22.1	Inorganic-Organic Molecules and Solids with Nanometer-Sized Pores	144
LOUISIANA STATE UNIVERSITY Baton Rouge, LA	DE-FG02-91ER40617 03/31/2010 Metcalf	SC-25	Research in Elementary Particle Physics and Cosmic Ray Physics	577
LOUISIANA STATE UNIVERSITY Baton Rouge, LA	DE-FG02-98ER20310 08/31/2011 Bricker	SC-22.13	Protein - Chloride Interactions in Photosystem II	119
LOUISIANA TECH UNIVERSITY Ruston, LA	DE-FG02-05ER25659 01/31/2008 Leangsuksun	SC-21.1	MOLAR: Modular Linux and Adaptive Runtime support for HEC OS/R research	99
LOUISIANA TECH UNIVERSITY Ruston, LA	DE-FG02-04CH11198 01/01/2007 Napper	SC-23	Biomedical Engineering Laboratory at the Center for Biomedical Engineering in Louisiana	0
LOUISIANA TECH UNIVERSITY Ruston, LA	DE-FG02-99ER41117 06/14/2011 Sawyer	SC-25	Research in High Energy Physics	170
LOUISIANA TECH UNIVERSITY Ruston, LA	DE-FG02-06ER41430 08/31/2009 Sawyer	SC-25	Neutron-Enhanced Calorimetry for Hadrons (NECH)	39
LOUISIANA TECH UNIVERSITY Ruston, LA	DE-FG02-04ER46114 01/31/2007 Greenwood	SC-22.23	A Louisiana Tech/Fermilab Partnership to Develop a D0 Silicon Detector Test Facility and Remote Linux Analysis Facility	96
LOUISIANA TECH UNIVERSITY Ruston, LA	DE-FG02-05ER46246 08/31/2009 Dobbins	SC-22.21	Understanding the Local Atomic-Level Effect of Dopants in Complex Metal Hydrides Using Synchrotron X-Ray	99
NA, UNIVERSITY OF AT LAFAYETTE Lafayette, LA	DE-FG02-06ER64268 08/31/2009 Cruz-Neira	SC-23.2	Louisiana Immersive Technologies Enterprise (LITE): Enabling Coastal Stewardship and Reliable Energy	385
SOUTHEASTERN LOUISIANA UNIV. Hammond, LA	DE-FG02-96ER54370 01/31/2008 McCarthy	SC-24.2	Numerical Simulations of Plasma Turbulence in the Tokamak Edge	30

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
TULANE UNIVERSITY New Orleans, LA	DE-FG02-96ER14617 05/31/2011 Schmehl	SC-22.1	Light Induced Energy and Electron Transfer Reactions of Photoactive Transition Metal Complexes	135
TULANE UNIVERSITY New Orleans, LA	DE-FG02-03ER46046 05/31/2007 Fink	SC-22.21	Fundamental Mechanistic Investigations of Silane and Chlorocarbon Additions to Low Valent Palladium and their Application to	0
TULANE UNIVERSITY New Orleans, LA	DE-FG02-98ER62704 09/30/2008 Blake	SC-23.4	Field-Portable and Automated Immunosensors for Hexavalent Uranium, Other Heavy Metals, and Chelators	266
TULANE UNIVERSITY New Orleans, LA	DE-FG02-05ER46243 08/31/2009 John	SC-22.23	Molecular Design Basis for Hydrogen Storage in Clathrate Hydrates	300
TULANE UNIVERSITY New Orleans, LA	DE-FC02-06ER64298 08/31/2011 Tornqvist	SC-23.3	Center for Riparian and Coastal Ecosystem Research	399
TULANE UNIVERSITY New Orleans, LA	DE-FG02-02ER63459 12/31/2004 Blake	SC-23.4	In-line Uranium Immunosensor	-19
XAVIER UNIVERSITY New Orleans, LA	DE-FG02-96ER20228 08/14/2008 Blake	SC-22.13	Molecular Characterization of Bacterial Respiration on Minerals	0
Total for LA :				3,496

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
BOSTON COLLEGE, TRUSTEES OF Chestnut Hill, MA	DE-FG02-99ER45747 05/31/2011 Wang	SC-22.22	Disorder and Interaction in Correlated Electron Systems	80
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	129
BOSTON COLLEGE, TRUSTEES OF Chestnut Hill, MA	DE-FG02-03ER54716 08/14/2007 Kalman	SC-24.2	Collective Behavior in Strongly Coupled Complex Plasmas	0
BOSTON COLLEGE, TRUSTEES OF Chestnut Hill, MA	DE-FG02-93ER14359 06/30/2009 Scott	SC-22.1	High Temperature Chemistry of Aromatic Hydrocarbons	185
BOSTON COLLEGE, TRUSTEES OF Chestnut Hill, MA	DE-FG02-91ER20025 08/31/2009 Roberts	SC-22.13	Osmoregulation in Methanogens	130
BOSTON COLLEGE, TRUSTEES OF Chestnut Hill, MA	DE-FG02-05ER63995 12/31/2010 Davidovits	SC-23.3	Laboratory Experiments and Instrument Development for the Study of Atmospheric Aerosols	89
BOSTON UNIVERSITY Boston, MA	DE-FG02-04ER63803 04/30/2007 Collins	SC-23.2	Rapid Reverse Engineering of Genetic Networks via Systematic Transcriptional Perturbations	579
BOSTON UNIVERSITY Boston, MA	DE-FG02-06ER64204 02/28/2009 Sue Wing	SC-23.3	Empirical & Computational Investigations of International Technology Spillovers: Effects on Income Convergence, Greenhouse Gas Emissions, & the International...	183
BOSTON UNIVERSITY Boston, MA	DE-FG02-06ER64178 01/14/2009 Schaaf	SC-23.3	Assessment and Enhancement of MODIS BRDF/Albedo Product at the ARM Southern Great Plains Site	59
BOSTON UNIVERSITY Boston, MA	DE-FG02-04ER25605 08/14/2008 Starobinski	SC-21.1	A Theory of Stability for Communication Networks	99
BOSTON UNIVERSITY Boston, MA	DE-FG02-91ER40676 01/31/2010 Stone	SC-25	Research in Particle Physics	2,071
BOSTON UNIVERSITY Boston, MA	DE-FG02-95ER14498 11/30/2010 Klein	SC-22.1	Collaborative Research: Failure of Rock Masses from Nucleation and Growth of Microscopic Defects and Disorder	133
BOSTON UNIVERSITY Boston, MA	DE-FG02-88ER13905 06/30/2002 Jones	SC-22.1	Photoinduced Electron Transfer in Ordered Macromolecular Assemblies	-1
BOSTON UNIVERSITY Boston, MA	DE-FG02-03ER15429 10/31/2005 Mullin	SC-22.11	Dynamics of Activated Molecules	-163
BOSTON UNIVERSITY Boston, MA	DE-FG02-06ER54887 07/14/2007 Oppenheim	SC-24.2	Collaborative Research: Meteor Plasmas - Dynamics and Radiowave Scattering	54

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
BOSTON UNIVERSITY Boston, MA	DE-FG02-06ER46332 08/14/2009 Paiella	SC-22.23	Plasmonic Band-Structure Engineering for Light-Emission Efficiency Enhancement	104
BOSTON UNIVERSITY Boston, MA	DE-FG02-06ER46316 08/31/2009 Chamon	SC-22.22	Quantum Nanowire Multi-Connections	211
BOSTON UNIVERSITY Boston, MA	DE-FG02-98ER45680 12/14/2009 Smith	SC-22.22	Electronic Structure in Low Dimensional and Correlated Solids	100
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	182
BOSTON UNIVERSITY Boston, MA	DE-FC02-06ER41440 03/14/2011 Brower, Rebbi	SC-25	National Computational Infrastructure for Lattice Gauge Theory	88
BOSTON UNIVERSITY Boston, MA	DE-FG02-06ER41425 08/31/2007 Ahlen	SC-25	Development of a Direction-Sensitive Spin-Dependent Dark Matter Detector	115
BOSTON UNIVERSITY Boston, MA	DE-FG02-03ER46037 02/14/2012 Ludwig	SC-22.22	Real-time X-ray Studies of Surface and Thin Film Processes	107
BOSTON UNIVERSITY Boston, MA	DE-FC02-01ER41180 09/14/2006 Rebbi	SC-25	SciDAC: National Computational Infrastructure for Lattice Gauge Theory	0
BRANDEIS UNIVERSITY Waltham, MA	DE-FG02-06ER15815 08/14/2009 Ozerov	SC-22.12	Catalysis of C-F Activation by Highly Electrophilic Si Compounds	140
BRANDEIS UNIVERSITY Waltham, MA	DE-FG02-92ER40706 12/31/2009 Blocker	SC-25	Research in Elementary Particle Physics	680
CLARK UNIVERSITY Worcester, MA	DE-FG02-88ER40417 01/31/2007 Brenner	SC-26.1	Nuclear Structure Research	0
CLARK UNIVERSITY Worcester, MA	DE-FG02-02ER15367 01/14/2012 Kudrolli	SC-22.12	Physics of Channelization: Theory, Experiment, and Observation	59
CLARK UNIVERSITY Worcester, MA	DE-FG02-05ER46214 07/31/2009 Agosta	SC-22.22	Novel Superconducting States in Actinides and Other Anisotropic Superconductors	105
HAMPSHIRE COLLEGE Amherst, MA	DE-FG02-06ER64256 09/30/2009 Stillings	SC-23.2	Hampshire College National Center for Science Education: Expansion of Science Education Research and Outreach Activities	481
HARVARD COLLEGE Boston, MA	DE-FG02-05ER64089 06/30/2009 Little	SC-23.2	Bystander Effects of Ionizing Radiation	64

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HARVARD COLLEGE Boston, MA	DE-FG02-05ER64116 08/14/2007 Yuan	SC-23.2	Low Dose IR Creates an Oncogenic Microenvironment by Inducing Premature Senescence in Stromal Fibroblasts	100
HARVARD COLLEGE Cambridge, MA	DE-FG02-02ER45978 03/31/2009 Silvera	SC-22.22	Experimental and Theoretical Study of Confined Charged Fermions: Multielectron Bubbles	150
HARVARD COLLEGE Cambridge, MA	DE-FG02-01ER45921 03/14/2011 Parks	SC-22.21	Electron Diffraction Determination of Nanoscale Structures	120
HARVARD COLLEGE Cambridge, MA	DE-FG02-00ER45852 01/31/2011 Whitesides	SC-22.23	Dynamic Self-Assembly, Emergence, and Complexity	346
HARVARD COLLEGE Cambridge, MA	DE-FG02-95ER62002 03/31/2007 Wofsy	SC-23.3	Measurements of Carbon Fluxes and Interactions with Ecological and Environmental Processes at Harvard Forest	301
HARVARD COLLEGE Cambridge, MA	DE-FG02-06ER46335 08/14/2010 Aziz	SC-22.23	Nanoscale Morphology Evolution under Ion Irradiation	93
HARVARD COLLEGE Cambridge, MA	DE-FC02-06ER25790 09/14/2011 Kaxiras	SC-21.1	Hierarchical Petascale Simulation Framework for Stress Corrosion Cracking	150
HARVARD COLLEGE Cambridge, MA	DE-FG02-06ER15763 12/31/2006 Madix	SC-22.12	The Dynamics of Adsorption on Clean and Adsorbate-Modified Transition Metal and Metal Oxide Surfaces	165
HARVARD COLLEGE Cambridge, MA	DE-FG02-01ER15197 10/31/2007 Herschbach	SC-22.1	Chemistry with Ultracold Molecules	120
HARVARD COLLEGE Cambridge, MA	DE-FG02-00ER15072 10/31/2006 Xie	SC-22.1	Studies of Protein Conformation and Dynamics via Single-Molecule Electron Transfer	21
HARVARD COLLEGE Cambridge, MA	DE-FG02-04ER63784 11/14/2007 Xie	SC-23.2	Real-Time Gene Expression Profiling of Live <i>Shewanella Oneidensis</i> Cells	794
HARVARD MEDICAL SCHOOL Boston, MA	DE-FG02-02ER63445 11/30/2011 Church	SC-23.2	Microbial Ecology, Proteogenomics and Computational Optima	3,572
HARVARD MEDICAL SCHOOL Boston, MA	DE-FG02-05ER64020 02/14/2007 Beckwith	SC-23.2	Race, Genetics and Medicine: New Information, Enduring Questions	0
HARVARD UNIVERSITY Cambridge, MA	DE-FG02-03ER15384 01/31/2009 Martin	SC-22.1	Growth and Dissolution of Iron and Manganese Oxide Films	95
HARVARD UNIVERSITY Cambridge, MA	DE-FG02-84ER13289 11/30/2009 Friend	SC-22.1	Exploiting Metastable Oxygen on Gold Surfaces for the Selective Functionalization of Olefins	130

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HARVARD UNIVERSITY Cambridge, MA	DE-FG02-88ER13861 03/31/2009 Dalgarno	SC-22.1	Theoretical Investigations of Atomic Collision Physics	135
HARVARD UNIVERSITY Cambridge, MA	DE-FG02-84ER40158 11/30/2007 Wu	SC-25	The Theory of High Energy Collision Processes	40
HARVARD UNIVERSITY Cambridge, MA	DE-FG02-91ER40654 10/31/2011 Franklin, Strominger	SC-25	Research in High Energy Physics	2,566
HARVARD UNIVERSITY Cambridge, MA	DE-FG02-05ER46226 08/14/2008 Kaxiras	SC-22.22	Multiscale Studies of the Formation and Stability of Surface-Based Nanostructures	30
HARVARD UNIVERSITY Cambridge, MA	DE-FG02-03ER46091 08/31/2007 Suo	SC-22.23	Templated Self-Assembly of Nanostructures	0
HARVARD UNIVERSITY Cambridge, MA	DE-FG02-88ER45379 02/14/2010 Pershan	SC-22.23	Surface Studies of Liquid Metal: Electronic and Tokamak Interests	221
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-02ER63473 01/31/2007 Herzog	SC-23.3	Factors Affecting the Rate of Penetration of Large-Scale Electricity Technologies: The Case of Carbon Sequestration	0
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG07-02ER63490 09/14/2006 Rothman	SC-23.4	Multiphase Flow in Complex Fracture Apertures Under a Wide Range of Flow Conditions	0
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-05ER63980 06/30/2008 Molina	SC-23.3	Characterization of Fine Particulate Matter (PM) and Secondary PM Precursor Gases in the Mexico City Metropolitan Area	175
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-05ER63978 12/14/2007 Woskov	SC-23.4	Millimeter-Wave High Level and Low Activity Waste Glass Research	225
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-05ER64053 05/14/2009 Engelward	SC-23.2	Mechanisms of Low Dose Radio-Suppression of Genomic Instability	394
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-06ER64320 08/31/2007 Prinn	SC-23.3	Methods for Developing Emissions Scenarios for Integrated Assessment Models	92
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-02ER45977 12/31/2010 Chen	SC-22.22	Heat Conduction in Nanowire Structures	114
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-03ER46076 11/30/2009 Lee	SC-22.22	Strongly Correlated Electronic Systems: Local Moments and Conduction Electrons	0
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FC02-06ER41444 03/14/2011 Negele	SC-25	SciDAC: National Computational Infrastructure for Lattice Gauge Theory	113

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MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-06ER41420 06/30/2009 Formaggio	SC-26.1	OJI - Probing the Absolute Mass Scale	125
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	12
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-90ER45429 10/31/2011 Chen	SC-22.23	Neutron and X-Ray Scattering Studies of the Liquid-Liquid Transition in Supercooled Confined Water and the Slow	327
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-99ER45778 07/31/2009 Joannopoulos	SC-22.22	Design and Fabrication of Photonic Crystals for Thermal Energy Conservation	199
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-95ER40919 03/31/2010 Chen	SC-25	Theoretical and Computational Investigation of Periodically Focused Intense Charged Particle Beams	215
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-94ER40818 10/31/2010 Milner	SC-26.1	Research in Nuclear Physics	9,849
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FC02-01ER41193 01/14/2007 Negele	SC-25	SciDAC: National Computational Infrastructure for Lattice Gauge Theory	0
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-05ER41360 10/31/2010 Milner	SC-25	Laboratory for Nuclear Science - High Energy Physics Program	9,523
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-05ER41385 02/14/2009 Fisher	SC-25	Proposal for the Design and Construction of a Prototype Dark Matter Detector and Directional Sensitivity	136
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FC02-93ER54209 11/30/2009 Temkin	SC-24.2	Electron Cyclotron Resonance Heating Technology Development	200
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FC02-93ER54186 11/14/2012 Minervini	SC-24.2	Fusion Development and Technology	3,499
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	604
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-91ER54109 11/14/2011 Catto	SC-24.2	Theoretical Research in Advanced Physics and Technology	1,278
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-98ER54458 10/31/2009 Kesner	SC-24.2	Levitated Dipole Experiment	1,780
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FC02-99ER54512 10/31/2013 Marmar, Porkolab, Hutchinson	SC-24.2	Alcator C-Mod Fusion Research Program	19,262

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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	50
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-99ER54521 03/14/2009 Ram	SC-24.2	Heating and Current Drive in NSTX with Electron Bernstein Waves and High Harmonic Fast Waves	99
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-FG02-05ER46241 10/31/2009 Chen	SC-22.23	High Throughput Screening of Nanostructured Hydrogen Storage Materials	685
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-FG02-04ER46134 04/30/2010 Lee	SC-22.21	A Unified Effort for Crystal Growth, Neutron Scattering, and X-ray Scattering Studies of Novel Correlated Electron	266
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	200
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FC02-04ER54786 07/31/2009 Porkolab	SC-24.2	MIT Participation in The Center for Multiscale Plasma Dynamics	62
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FC02-04ER54802 02/14/2011 Sugiyama	SC-24.2	Center for Extended Magnetohydrodynamic Modeling	69
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	70
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-FG02-03ER54700 03/31/2009 Coppi	SC-24.2	Physics of High Energy Plasmas	436
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-03ER54712 08/14/2007 Porkolab	SC-24.2	Experimental Studies of Collisionless Reconnection Processes in Plasmas	0
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FC02-01ER54648 03/31/2011 Bonoli	SC-24.2	Center for Simulation of Wave-Plasma Interactions	200
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-01ER63257 09/14/2009 Lindzen	SC-23.3	Mechanistically Based Diagnostics and Parameterizations for Climate Models	216

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MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-01ER63078 01/14/2007 Adams	SC-23.3	Sinking of CO2 Particle Plumes: Environmental Consequences of Direct Injection of CO2 into the Ocean	79
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-06ER54891 07/31/2009 Hutchinson	SC-24.2	Interactions of a Flowing Plasma with a Collecting Sphere	50
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FC02-06ER54859 01/14/2011 Sugiyama	SC-24.2	SciDAC - Center for Plasma Edge Simulation	50
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-06ER54878 07/14/2009 Egedal-Pedersen	SC-24.2	Laboratory Studies of Reconnection in Magnetically Confined Plasmas	250
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-94ER61937 12/14/2010 Prinn, Jacoby	SC-23.3	An Integrated Framework for Climate Change Assessment	600
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-99ER15004 01/14/2012 Rothman	SC-22.12	Physics of Channelization: Theory, Experiment, and Observation	160
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-FG02-99ER14988 10/31/2010 Tokmakoff	SC-22.11	Structural Dynamics in Complex Liquids Studied with Multidimensional Vibrational Spectroscopy	320
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-00ER15087 12/31/2010 Nelson	SC-22.1	Nonlinear Photoacoustic Spectroscopies Probed by Ultrafast EUV Light	145
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-86ER13564 11/30/2009 Schrock	SC-22.1	The Living Polymerization of 1,6-Heptadiynes	140
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	160
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-97ER14760 06/30/2009 Evans	SC-22.1	Collaborative Research: Evolution of Pore Structure and Permeability of Rocks Under Hydrothermal Conditions	304
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-91ER40648 11/30/2009 Temkin	SC-25	17 GHz High Gradient Accelerator Research	305
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-04ER25631 09/14/2008 Edelman	SC-21.1	PetaScale Application Development Analysis	150
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-02ER25530 02/14/2006 Bazant	SC-21.1	Modeling and Simulation of Granular Flow in Pebble-Bed Nuclear Reactors	0

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MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-04ER25647 09/14/2008 Demaine	SC-21.1	Geometric Folding Algorithms	100
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-05ER25681 08/14/2010 Negele	SC-21.1	Scientific Discovery with the Blue Gene/L	438
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	185
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	200
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-05ER15665 05/14/2009 Ceyer	SC-22.1	An Exploration of Catalytic Chemistry on Au/Ni(111)	148
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FC02-01ER25454 07/31/2007 Greenwald	SC-21.1	A National Collaboratory to Advance the Science of High Temperature Plasma Physics for Magnetic Fusion	0
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-01ER25444 05/30/2007 Green, Jr.	SC-21.1	Collaboratory for Multi-Scale Chemical Science	0
MASSACHUSETTS INST. OF TECH. Cambridge, MA	DE-FG02-98ER25355 03/14/2008 Ghoniem	SC-21.1	Lagrangian Simulation of Combustion	0
MASSACHUSETTS, UNIV. OF-LOWELL Lowell, MA	DE-FG02-94ER40848 03/31/2011 Chowdhury	SC-26.1	Single-Particle and Collective Phenomena in Nuclei	130
MASSACHUSETTS, UNIVERSITY OF Amherst, MA	DE-FG02-92ER40715 12/31/2009 Willocq	SC-25	Experimental Elementary Particle Physics Research	570
MASSACHUSETTS, UNIVERSITY OF Amherst, MA	DE-FG02-96ER45612 06/14/2010 Russell	SC-22.23	Interfacial Behavior of Polymers: Using Interfaces to Manipulate Polymers	334
MASSACHUSETTS, UNIVERSITY OF Amherst, MA	DE-FG02-01ER63145 12/14/2004 Lovley	SC-23.2	Improving Functional Analysis of Genes Relevant to Environmental Restoration via an Analysis of the Genome of Geobacter	-3
MASSACHUSETTS, UNIVERSITY OF Amherst, MA	DE-FG02-01ER63221 02/14/2007 Lovley	SC-23.2	In Silico Modeling of Geobacter Species	492
MASSACHUSETTS, UNIVERSITY OF Amherst, MA	DE-FG02-98ER62604 06/30/2010 Bradley	SC-23.3	Regional-Scale Climate Variability on Decadal to Multi-Century Timescales	96
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 Bioremediation	100

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MASSACHUSETTS, UNIVERSITY OF Amherst, MA	DE-FG02-04ER46126 03/14/2011 Russell	SC-22.21	Interfacial Assembly and Chemical Activity of Nanoparticles	114
MASSACHUSETTS, UNIVERSITY OF Amherst, MA	DE-FG02-88ER40415 12/31/2011 Miskimen, Kumar	SC-26.1	Precision Studies of QCD and Electro-Weak Interactions	316
MASSACHUSETTS, UNIVERSITY OF Amherst, MA	DE-FG02-90ER14150 12/31/2007 Monson	SC-22.1	Molecular Modeling of Solid-Fluid Phase Behavior	50
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	124
MASSACHUSETTS, UNIVERSITY OF Amherst, MA	DE-FG02-06CH11441 01/31/2009 Cahill, Leheny	SC-23	Integrative Science Building Project	722
MASSACHUSETTS, UNIVERSITY OF Amherst, MA	DE-FG02-03ER15421 08/14/2009 Baskin	SC-22.13	Cellulose and the Control of Growth Anisotropy	120
MASSACHUSETTS, UNIVERSITY OF Amherst, MA	DE-FG02-05ER64042 12/31/2006 Kostecki	SC-23.2	FY 2005 Congressional Earmark for the Center for the Environment at the University of Massachusetts Amherst	0
MASSACHUSETTS, UNIVERSITY OF Amherst, MA	DE-FG02-06ER64203 02/29/2008 Baker	SC-23.3	Climate Change Technology R&D Portfolio Decision Making Under Uncertainty	200
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	6,159
MASSACHUSETTS, UNIVERSITY OF Amherst, MA	DE-FG02-02ER63423 07/31/2008 Lovley	SC-23.4	Nanowires, Capacitors, and Other Novel Outer-Surface Components Involved in Electron Transfer to Fe(III) Oxides in Geobacter Species	341
MASSACHUSETTS, UNIVERSITY OF Amherst, MA	DE-FG02-04ER63719 11/14/2006 Lovley	SC-23.4	Bioremediation Involved in Sustained Reductive Removal of Uranium in Contaminant Aquifers	354
MASSACHUSETTS, UNIVERSITY OF Boston, MA	DE-FG02-03CH11172 03/31/2009 Antonak	SC-23	Infrastructure Enhancement for UMASS Boston Venture Development Center	481
MASSACHUSETTS, UNIVERSITY OF Worcester, MA	DE-FG02-03ER63602 12/30/2007 Hnatowich	SC-23.2	Targeting Cancer with Radiolabeled Antisense Oligomers	0
MASSACHUSETTS, UNIVERSITY OF Worcester, MA	DE-FG02-04CH11243 12/31/2007 Fitzpatrick, Sullivan	SC-23	Nuclear Resonance Mass Spectrometer at the University of Massachusetts Medical School	241
MASSACHUSETTS-BOSTON, UNIV. OF Boston, MA	DE-FG02-84ER13242 06/30/2003 Van Willigen	SC-22.1	EPR Studies of Photochemical Reactions	-13

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MOUNT HOLYOKE COLLEGE South Hadley, MA	DE-FG02-90ER40553 01/31/2010 Sutton	SC-25	Physics at BaBar and Double Beta Decay	73
NORTHEASTERN UNIVERSITY Boston, MA	DE-FG02-96ER45585 10/31/2006 Sokoloff	SC-22.22	Microscopic Mechanisms for Friction	0
NORTHEASTERN UNIVERSITY Boston, MA	DE-FG02-92ER45471 08/31/2006 Karma	SC-22.23	Phase-Field Modeling of Solidification Microstructures	85
NORTHEASTERN UNIVERSITY Boston, MA	DE-FG02-04ER63782 03/14/2007 Lewis	SC-23.2	Growing Uncultured Microorganisms From Soil Communities	254
TUFTS UNIVERSITY Medford, MA	DE-FG02-92ER40702 01/14/2012 Mann, Schneps	SC-25	High Energy Physics at Tufts University	816
TUFTS UNIVERSITY Medford, MA	DE-FG02-05ER15730 09/14/2011 Flytzani-Stephanopou	SC-22.12	Nanostructured, Metal-ion Modified Ceria and Zirconia Oxidation Catalysts	400
TUFTS UNIVERSITY Medford, MA	DE-FG02-06ER15799 06/30/2009 Rybak-Akimova	SC-22.12	Mechanism-Based Design of Biomimetic Green Oxidation Catalysts	160
ORCESTER POLYTECHNIC INSTITUTE Worcester, MA	DE-FG02-03ER46083 02/28/2007 Tryggvason	SC-22.23	Investigations of Bubbly Flows Using Direct Numerical Simulations	130
Total for MA :				83,023

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				FY 2006
JOHNS HOPKINS UNIVERSITY Baltimore, MD	DE-FG02-89ER14074 02/28/2010 Veblen	SC-22.12	Crystal Chemistry of Toxic Metal Sequestration	205
JOHNS HOPKINS UNIVERSITY Baltimore, MD	DE-FG02-96ER14662 11/14/2011 Meyer	SC-22.13	Electron Transfer Dynamics in Efficient Molecular Solar Cells	144
JOHNS HOPKINS UNIVERSITY Baltimore, MD	DE-FG02-96ER14619 08/31/2007 Garven	SC-22.1	Physiochemical Evidence of Faulting Processes and Modeling of Fluid Flow in Evolving Fault Systems in Southern California	123
JOHNS HOPKINS UNIVERSITY Baltimore, MD	DE-FG02-96ER14616 03/31/2011 Sverjensky	SC-22.12	Predictive Single-Site Protonation and Cation Adsorption Modeling	157
JOHNS HOPKINS UNIVERSITY Baltimore, MD	DE-FG02-91ER14189 06/14/2011 Yarkony	SC-22.1	Theoretical Studies of the Reactions, and the Spectroscopy of Radical Species Relevant to Combustion Reactions and Diagnostics	130
JOHNS HOPKINS UNIVERSITY Baltimore, MD	DE-FG02-03ER25578 09/14/2008 Cohen	SC-21.1	A Level-of-Detail Approach to Cluster-based Visualization	0
JOHNS HOPKINS UNIVERSITY Baltimore, MD	DE-FG02-04ER25626 08/31/2008 Paulaitis	SC-21.1	Institute for Multiscale Modeling and Analysis of Complex Interactions in Biology	737
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-FG02-06ER15789 06/14/2007 Bender	SC-22.13	17th International Conference on Arabidopsis Research (June 28-July 2, 2006)	9
JOHNS HOPKINS UNIVERSITY Baltimore, MD	DE-FG02-06ER15831 06/30/2008 Jahren	SC-22.12	Development of New Biomarkers for Surficial Earth Processes	101
JOHNS HOPKINS UNIVERSITY Baltimore, MD	DE-FG02-99ER54523 02/28/2009 Finkenthal	SC-24.2	USXR Based MHD, Transport, Equilibria and Current Profile Diagnostics for NSTX	330
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	402
JOHNS HOPKINS UNIVERSITY Baltimore, MD	DE-FC02-06ER41454 08/31/2007 Kasen	SC-25	Computational Astrophysics Consortium: 3. Supernovae, Gamma Ray Bursts, and Nucleosynthesis	25
JOHNS HOPKINS UNIVERSITY Baltimore, MD	DE-FG02-95ER45538 01/31/2009 Bowen	SC-22.21	Toward the Development of Cluster-Based Materials	128
JOHNS HOPKINS UNIVERSITY Baltimore, MD	DE-FG02-03ER46090 09/30/2007 Spicer	SC-22.23	Theory and Modeling of Laser ultrasonic Interactions with Grain Boundaries	107

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands)
				FY 2006
JOHNS HOPKINS UNIVERSITY Baltimore, MD	DE-FG02-03ER46056 01/31/2010 Ma	SC-22.22	Amorphous Structures and Polymorphic Transitions in Metallic Glasses	114
JOHNS HOPKINS UNIVERSITY Baltimore, MD	DE-FG02-02ER45983 12/31/2005 Broholm	SC-22.21	Pulsed Neutron Scattering Studies of Strongly Fluctuating Solids	0
JOHNS HOPKINS UNIVERSITY Baltimore, MD	DE-FG02-04ER41337 07/31/2009 Maksimovic	SC-25	Enhancing the CDF's B Physics Program with a Faster Data Acquisition System	70
JOHNS HOPKINS UNIVERSITY Baltimore, MD	DE-FG02-03ER41271 09/30/2008 Kaplan	SC-25	High-Energy Physics Outstanding Junior Investigator Program	60
JOHNS HOPKINS UNIVERSITY Baltimore, MD	DE-FG02-05ER63967 12/14/2006 Sgouros	SC-23.2	Patient-Specific Dosimetry and Radiobiological Modeling of Targeted Radionuclide Therapy	0
MARYLAND, UNIV OF BIOTECH INST Baltimore, MD	DE-FG02-93ER20106 08/31/2008 Sowers	SC-22.13	Physiology and Genetics of Biogenic Methane-Production from Acetate	120
MARYLAND, UNIV OF BIOTECH INST Baltimore, MD	DE-FG02-04ER63787 07/14/2008 Moult	SC-23.2	A Combined Informatics and Experimental Strategy for Improving Protein Expression	510
MARYLAND, UNIV OF BIOTECH INST Baltimore, MD	DE-FG02-05ER64041 09/30/2006 Chen	SC-23.2	Partial Support for U.S. Participants in the International Marine Biotechnology Conference 2005, in Newfoundland, Canada, June 7-12, 2005	0
MARYLAND, UNIVERSITY OF Baltimore, MD	DE-FG02-05ER64082 06/30/2008 Morgan	SC-23.2	A Mechanistic Study of the Radiation Quality Dependence of Bystander Effects in Human Cells	184
MARYLAND, UNIVERSITY OF College Park, MD	DE-FG02-99ER20329 02/28/2009 Chang	SC-22.13	RTE1, A Novel Regulator of Ethylene Receptor Function	0
MARYLAND, UNIVERSITY OF College Park, MD	DE-FC02-01ER25489 06/14/2007 Hollingsworth	SC-21.1	PERC 2 High-End Computer System Performance: Scalable Science and Engineering	0
MARYLAND, UNIVERSITY OF College Park, MD	DE-FG02-95ER20200 05/31/2007 Sze	SC-22.13	Regulating Intracellular Calcium in Plants: From Molecular Genetics to Physiology	0
MARYLAND, UNIVERSITY OF College Park, MD	DE-FG02-06ER15761 11/14/2010 Mullin	SC-22.11	Dynamics of Activated Molecules	293
MARYLAND, UNIVERSITY OF College Park, MD	DE-FG02-04ER25655 01/14/2009 O'Leary, Tits	SC-21.1	Interior Point Algorithms for Optimization Problems With Many Constraints	202
MARYLAND, UNIVERSITY OF College Park, MD	DE-FG02-04ER25633 09/14/2007 Basili	SC-21.1	PetaScale Application Development Analysis	200

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
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	195
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-FG02-01ER15227 10/31/2008 Troune	SC-22.1	Terascale High-Fidelity Simulations of Turbulent Combustion with Detailed Chemistry	80
MARYLAND, UNIVERSITY OF College Park, MD	DE-FG02-01ER63197 08/31/2009 Fox-Rabinovitz	SC-23.3	Collaborative Research: Decadal-to-Centennial Climate & Climate Change Studies with Enhanced Variable &	280
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	517
MARYLAND, UNIVERSITY OF College Park, MD	DE-FG02-02ER54672 06/14/2009 Haber	SC-24.2	Heavy Ion Ignition Accelerator Theory and Simulation	100
MARYLAND, UNIVERSITY OF College Park, MD	DE-FC02-04ER54784 07/31/2009 Dorland	SC-24.2	The Center for Multiscale Plasma Dynamics	500
MARYLAND, UNIVERSITY OF College Park, MD	DE-FG02-05ER46227 08/14/2008 Einstein	SC-22.22	Multiscale Studies of the Formation and Stability of Surface-Based Nanostructures	30
MARYLAND, UNIVERSITY OF College Park, MD	DE-FG02-99ER54516 01/31/2010 Hassam	SC-24.2	Theoretical Considerations for Centrifugally Confined Plasmas	40
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	466
MARYLAND, UNIVERSITY OF College Park, MD	DE-FG02-93ER54197 12/31/2010 Dorland	SC-24.2	Maryland Controlled Fusion Research	629
MARYLAND, UNIVERSITY OF College Park, MD	DE-FG02-95ER54325 01/14/2011 Nusinovich, Granatstein	SC-24.2	Theory of Gyrotrons for Controlled Fusion Reactors	165
MARYLAND, UNIVERSITY OF College Park, MD	DE-FG02-97ER41039 06/14/2009 Milchberg	SC-25	Application of Plasma Waveguides to Advanced High Energy Accelerators	535
MARYLAND, UNIVERSITY OF College Park, MD	DE-FG02-97ER41015 10/31/2009 Hadley, Skuja	SC-25	High Energy Accelerator and Colliding Beam User Group	1,652
MARYLAND, UNIVERSITY OF College Park, MD	DE-FG02-93ER40762 11/30/2010 Wallace	SC-26.1	Theoretical Studies in Hadronic and Nuclear Physics	673

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
MARYLAND, UNIVERSITY OF College Park, MD	DE-FG02-93ER40802 04/30/2009 Mignerey	SC-26.1	Reaction Mechanism Studies of Heavy-Ion Induced Nuclear Reactions	200
MARYLAND, UNIVERSITY OF College Park, MD	DE-FG02-94ER40855 06/30/2009 O'Shea, Haber	SC-25	Accelerator Research Studies	1,005
MARYLAND, UNIVERSITY OF College Park, MD	DE-FG02-94ER40834 01/31/2009 Walters	SC-26.1	Nuclear Structure Research	240
MARYLAND, UNIVERSITY OF College Park, MD	DE-FG02-96ER40949 04/30/2009 Dragt	SC-25	Advanced Methods for the Computation of Particle Beam Transport & Computation of Electromagnetic Fields & Beam-Cavity Interactions and Multiparticle Phenomena	167
MARYLAND, UNIVERSITY OF College Park, MD	DE-FG02-02ER45975 06/30/2011 Culver	SC-22.23	Virus Assemblies as Templates for Nanocircuits	103
MARYLAND, UNIVERSITY OF College Park, MD	DE-FG02-01ER63258 12/31/2006 Nigam	SC-23.3	Distorted Representation of Atmospheric Water-cycle Variability Over the Great Plains in Climate Models: Causes and Implications	45
MONTGOMERY COLLEGE Rockville, MD	DE-FG02-06CH11429 09/30/2013 McLean	SC-23	Biotechnology Project	481
MORGAN STATE UNIVERSITY Baltimore, MD	DE-FG02-03ER63580 08/14/2008 Kennedy, Hill	SC-23.2	Development of Fluorescent Microsensors to Determine the Activity of Intracellular Proteins	770
Total for MD :				13,584

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
MAINE, UNIVERSITY OF Orono, ME	DE-FG02-00ER63001 09/14/2009 Dail	SC-23.3	Economically Viable Harvesting Practices That Increase Carbon Sequestration	200
			Total for ME :	200

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Listing of Awards for State (MI)

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
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	90
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-04ER63933 08/31/2009 Garrity	SC-23.2	Pipelining RDP Data to the "Taxomatic"	0
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-02ER63342 07/31/2008 Tiedje	SC-23.2	Integrated Analysis of Protein Complexes and Regulatory Networks Involved in Anaerobic Energy Metabolism of Shewanella Oneidensis MR-1	380
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-90ER45418 12/31/2006 Duxbury	SC-22.22	Co-operative Geometric Structures in Disordered Networks and Complex Materials	14
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-06ER41433 08/31/2008 Bieler	SC-25	Relationships Between Deformation & Microstructure Evolution	44
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-06ER41411 10/31/2008 Grimm	SC-26.1	Half-Reentrant Reduced-Beta SRF Elliptical Cavities	120
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-06ER41412 04/30/2008 Grimm	SC-26.1	RIA Superconducting Drift Tube Linac R&D	345
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-06ER41413 04/30/2009 Bollen	SC-26.2	Development of a Fast Cyclotron Gas Stopper for Rare Isotope Beams from Projectile Fragmentation: Study of Ion	150
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-06ER41414 04/30/2009 Zeller	SC-26.2	Design and Construction of a Radiation Resistant Quadrupole using Metal Oxide Insulated CICC	160
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-97ER45651 05/31/2009 Billinge, Thorpe	SC-22.21	Nanostructure Determination by Co-Refining Models to Multiple Data-Sets	377
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-99ER45793 08/31/2006 Kanatzidis	SC-22.23	Metal Flux Synthesis of Heterometallic Aluminum Silicides	148
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-95ER40931 03/14/2008 Berz	SC-25	Advanced Map Methods for the Description of Particle Beam Dynamics	330
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	210
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-05ER41384 07/31/2007 Bollen	SC-26.1	Developments for High Resolution Mass Separation at RIA	0
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-05ER41381 06/30/2007 York	SC-26.1	Beam Loss Evaluations for RIA Driver Linac Using Advanced Simulation Tools	0

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-05ER41403 07/31/2007 Ronningen	SC-26.1	Determination of Component Activation and Radiation Environment in the Rare Isotope Accelerator Second Stripper Region	0
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-04ER41350 08/14/2007 Marti	SC-26.1	RIA Stripper Development: Diamond Foil	0
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-04ER41324 06/30/2006 York	SC-26.1	Optimization of RIA Stable Beam Distribution	0
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-04ER41313 08/14/2007 Ronningen	SC-26.1	Development of a Concept of High Power Beam Dumps and Catchers, & the Pre-Separator Area Layout for Fragment Separators for the Rare Isotope	0
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-04ER41314 07/31/2007 York	SC-26.1	Advanced Beam Dynamics Simulation Tools for RIA	35
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-04ER41322 07/31/2007 Bollen	SC-26.1	Development of a Concept for the ISOL Stations for RIA	0
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-03ER41247 07/31/2007 Grimm	SC-26.1	RIA 805 MHz b=0.47 Elliptical Accelerating Structure R&D (R&D Category: Driver Linac)	0
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-03ER41265 08/14/2009 Morrissey	SC-26.2	Development of Tools and Techniques for Momentum Compression of Fast Rare Isotopes	160
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-03ER41259 05/31/2009 Pratt	SC-26.1	Determining Properties of Matter Created at RHIC	63
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-05ER46211 05/31/2011 Mackay	SC-22.23	Nanoparticles Stabilize Thin Polymer Films; A Fundamental Study to Understand the Phenomenon	150
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-06ER46309 07/31/2009 Ruan	SC-22.21	Ultrafast Dynamics of Nano-Interfaces	149
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-06ER46341 08/31/2009 Birge	SC-22.22	Novel Behavior of Ferromagnet/Superconductor Hybrid Systems	150
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-97ER62469 11/14/2006 Tiedje	SC-23.4	Understanding the Roles of Spatial Isolation and Carbon in Microbial Community Structure Dynamics, and Activity	75
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-98ER62535 11/14/2007 Tiedje	SC-23.3	Molecular Approaches to Understanding C and N Dynamics in Marine Sediments and Their Role in Global Carbon Cycling	231
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-99ER62848 08/31/2009 Tiedje	SC-23.2	The Ribosomal Database Project: Tools and Sequences for Microbial Analysis	345

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MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-04ER15562 08/31/2007 Weber	SC-22.13	Maltose Biochemistry and Transport in Plant Leaves	119
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-01ER15143 12/31/2007 Dantus	SC-22.1	Probing and Controlling Intense Laser-Matter Interactions Using Phase, Amplitude and Polarization Shaped	125
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-01ER15120 06/30/2008 Swain	SC-22.1	Advanced Electrocatalytic Carbon Electrodes for PEMFCs	85
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-99ER15001 08/31/2008 Blanchard	SC-22.1	Nanoporous Structures for Rapid Size - and Stereo-Selective Chemical Separations	125
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	115
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-01ER15228 05/31/2010 Piecuch	SC-22.1	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-FG02-91ER20021 12/31/2011 Thomashow	SC-22.13	Interdisciplinary Research and Related Training Program in the Plant Sciences	4,200
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-06ER15822 08/31/2009 Geiger	SC-22.13	Structure, Function, and Regulation of the Enzymes in the Starch Biosynthetic Pathway	120
MICHIGAN STATE UNIVERSITY East Lansing, MI	DE-FG02-06ER15808 07/31/2009 Osteryoung	SC-22.13	Functional Analysis of ARC6 and Ftn2, Orthologous Regulators of Chloroplast and Cyanobacterial Cell Division	130
MICHIGAN TECH. UNIVERSITY Houghton, MI	DE-FG02-92ER14282 10/31/2007 Beck	SC-22.1	Properties of Transition Metal Atoms and Ions	71
MICHIGAN TECH. UNIVERSITY Houghton, MI	DE-FG02-95ER62125 03/31/2012 Burton, Pregitzer	SC-23.3	Impacts of Interacting Elevated Atmospheric CO2 & O3 on the Structure & Functioning of a Northern Forest Ecosystem: Operating and Decommissioning	1,430
MICHIGAN TECH. UNIVERSITY Houghton, MI	DE-FG02-06ER46294 07/31/2010 Yap	SC-22.22	Hetero-Junctions of Boron Nitride and Carbon Nanotubes: Synthesis and Characterization	142
MICHIGAN TECH. UNIVERSITY Houghton, MI	DE-FG02-99ER41107 04/14/2011 Nitz	SC-25	Studies of High Energy Particle Astrophysics	252
MICHIGAN TECH. UNIVERSITY Houghton, MI	DE-FG02-04ER63821 12/31/2007 Mullins	SC-23.2	Michigan Technological University Center for Nanostructure and Light Weight Materials - Fuel Cells Research	481
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	316

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MICHIGAN TECH. UNIVERSITY Houghton, MI	DE-FG02-05ER64109 08/14/2009 Busov	SC-23.2	Genetic Modification of Gibberellic Acid Signaling to Promote Carbon Sequestration in Tree Roots and Stems	149
MICHIGAN TECH. UNIVERSITY Houghton, MI	DE-FG02-05ER64112 05/21/2008 Harding	SC-23.2	A Genomics Investigation of Partitioning Into and Among Flavonoid-Derived Condensed Tannins for Carbon Sequestration in Populus	448
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	130
MICHIGAN TECH. UNIVERSITY Houghton, MI	DE-FC02-06ER64158 11/30/2010 Burton	SC-23.3	Midwestern Regional Center of the National Institute for Climatic Change Research	2,189
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-05ER64057 05/31/2007 Parson	SC-23.3	Review of Integrated Scenario Development and Application	35
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-06ER64295 08/31/2007 Jablonowski	SC-23.3	Coupling an Adaptive-grid Finite-volume Dynamical Core to CAM3 Physics Parameterizations	25
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-95ER40899 10/31/2011 Amidei	SC-25	Properties and Interactions of Elementary Particles	3,707
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-04ER41331 07/14/2010 Chupp	SC-26.1	CP Odd Electric Dipole Moment Measurements with Rare Isotopes: The Radon-EDM Experiment	64
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-04ER41345 02/28/2006 Riles	SC-25	Linear Collider: Tracker Simulation Studies and Alignment Systems R&D	0
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	184
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-94ER45526 11/30/2007 Campbell	SC-22.22	Unconventional Magnetism in Low Carrier Density Materials and Nanoparticle Composites	111
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-06ER41419 05/31/2007 Chupp	SC-26.1	Support for Summer School on Fundamental Neutron Physics - 2006 (June 4-11, 2006)	7
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-03ER46062 05/31/2008 Zikanov	SC-22.23	Large-Eddy Simulations of Anisotropic MHD Turbulence	66
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-03ER46094 11/14/2009 Glotzer	SC-22.22	Integrated Multiscale Modeling of Molecular Computing Devices	110
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-03ER46023 11/30/2005 Clarke	SC-22.21	X-ray Studies of Materials Dynamics at MHATT-CAT Sector 7 of the Advanced Photon Source	0

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MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-02ER46005 11/30/2009 Wang	SC-22.22	Nanostructure Patterning under Energetic Particle Beam Irradiation	0
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	150
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-00ER45851 08/31/2007 Kaviany	SC-22.23	Structural Metrics for Low Thermal Conductivity Porous Crystals	112
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-06ER46339 08/14/2009 Goldman	SC-22.21	Determining the Origins of Electronic States in Semiconductor Nanostructures	120
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-06ER46273 01/31/2009 Clarke	SC-22.22	Synchrotron Radiation Studies of Materials Dynamics	153
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	120
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-05ER46191 08/14/2008 Thornton	SC-22.23	The Evolution of Topologically Complex Structures: Coarsening of Dendritic Mixtures	26
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-93ER61666 08/14/2009 Zak	SC-23.3	Ecosystem Response to Elevated Tropospheric Carbon Dioxide (CO2) and Ozone (O3) is Regulated by Plant-Microbe	400
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-87ER60561 12/31/2006 Kilbourn	SC-23.2	Advancing PET Science for New Measures of Brain Function	0
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-97ER62370 12/14/2010 Penner	SC-23.3	Cloud/Aerosol Parameterizations: Application and Improvement of General Circulation Models	100
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-01ER63248 09/14/2011 Penner	SC-23.3	Development of an Atmospheric Climate Model with Self-Adapting Grid and Physics	300
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FC02-04ER54788 07/31/2008 Gombosi	SC-24.2	The Center for Multiscale Plasma Dynamics	175
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-01ER15229 10/31/2008 Im	SC-22.1	Terascale High-Fidelity Simulations of Turbulent Combustion with Detailed Chemistry	85
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-99ER15000 07/31/2006 Yaghi	SC-22.1	Metal-Organic Frameworks for Highly Selective Separations	0
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-99ER14972 11/14/2009 Raithel	SC-22.11	Interactions of Cold Rydberg Atoms in a High-Magnetic-Field Atom Trap	130

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-00ER15031 02/28/2009 Reis	SC-22.1	Ultrafast X-Ray Coherent Control	150
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-04ER15582 08/31/2007 Ewing	SC-22.12	Experimental Study and Theoretical Modeling of Actinides and REE Speciation in Solid Phases: Applications for Actinide Waste Forms and U-free Inert	20
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	185
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-05ER15673 08/14/2009 Li	SC-22.13	Perception of Plant Steroid Hormones at the Cell Surface	120
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FG02-06ER15783 06/30/2009 Ewing	SC-22.12	Actinide Incorporation and Radiation Effects in U(VI) Solids	90
MICHIGAN, UNIVERSITY OF Ann Arbor, MI	DE-FC02-06ER25766 12/14/2011 Honeyman	SC-21.1	Petascale of Data Storage Institute	299
RFORATION FOR ADVANCED INT DEV Ann Arbor, MI	DE-FG02-06ER25740 08/14/2009 Summerhill	SC-21.1	Hybrid Multi-Layer Network Control for Emerging Cyber-Infrastructures	49
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	160
WAYNE STATE UNIVERSITY Detroit, MI	DE-FG02-88ER13944 11/30/2007 Endicott	SC-22.1	Photoinduced Charge and Energy Transfer Processes in Molecular Aggregates	135
WAYNE STATE UNIVERSITY Detroit, MI	DE-FG02-96ER41005 02/28/2009 Karchin	SC-25	Particle Physics Research Program	310
WAYNE STATE UNIVERSITY Detroit, MI	DE-FG02-92ER40713 04/30/2011 Cormier	SC-26.1	Relativistic Heavy Ion Research	580
WESTERN MICHIGAN UNIVERSITY Kalamazoo, MI	DE-FG02-06CH11371 06/30/2008 Grammer, Emmert	SC-23	Western Michigan University Geosciences Initiative	577
WESTERN MICHIGAN UNIVERSITY Kalamazoo, MI	DE-FG02-03ER46082 08/31/2007 Berrah	SC-22.21	Studies of Complex Systems: From Atoms to Clusters	0
WESTERN MICHIGAN UNIVERSITY Kalamazoo, MI	DE-FG02-02ER45969 01/31/2008 Burns	SC-22.21	Development of a Sector Dedicated to Inelastic X-ray Scattering	1,000
WESTERN MICHIGAN UNIVERSITY Kalamazoo, MI	DE-FG02-99ER45772 12/31/2011 Burns	SC-22.21	X-ray and Transport Studies of Highly Correlated Systems	128

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
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	80
Total for MI :				24,536

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
AUGSBURG COLLEGE Minneapolis, MN	DE-FG02-04CH11202 12/31/2009 Adamson	SC-23	Construction of "New Science Building"	962
MINNESOTA STATE UNIVERSITY Mankata, MN	DE-FG02-06ER64241 11/30/2008 Frey	SC-23.2	MN Center for Renewable Energy: Cellulosic Ethanol, Optimization of Bio-fuels in Internal Combustion Engines, & Course Development for Technicians in These Area	481
MINNESOTA, UNIVERSITY OF Duluth, MN	DE-FG02-98ER41087 05/31/2010 Hiller	SC-25	Nonperturbative Analysis of Field Theories Quantized on the Light Cone	37
MINNESOTA, UNIVERSITY OF Minneapolis, MN	DE-FG02-03ER15455 08/31/2009 Que	SC-22.12	Bio-inspired Iron Catalysts for Hydrocarbon Oxidations	150
MINNESOTA, UNIVERSITY OF Minneapolis, MN	DE-FG02-04ER15500 11/30/2009 Kohlstedt	SC-22.12	Rheological Properties of Earth's Lithosphere: Experimental Constraints on Low-Temperature Plasticity of Olivine-Rich	176
MINNESOTA, UNIVERSITY OF Minneapolis, MN	DE-FG02-03ER15491 11/14/2005 Chelikowsky	SC-22.11	Scalable Methods for Electronic Excitations and Optical Responses of Nanostructures: Mathematics to Algorithms to Observables	-106
MINNESOTA, UNIVERSITY OF Minneapolis, MN	DE-FG02-01ER15201 02/28/2008 VandenBosch	SC-22.13	Nodulation Genes of Medicago Truncatula Governing Early Responses to Rhizobia	120
MINNESOTA, UNIVERSITY OF Minneapolis, MN	DE-FG02-01ER15221 01/31/2006 Smyrl	SC-22.12	Electrochemistry of Nanostructured Intercalation Hosts	0
MINNESOTA, UNIVERSITY OF Minneapolis, MN	DE-FG02-02ER15353 09/14/2009 Olszewski, Hartweck	SC-22.13	Understanding the Role of O-GlcNAc Modifications in Plant Development	120
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-FG02-87ER40328 01/31/2011 Kapusta, Qian, Heger	SC-26.1	Research in Theoretical Nuclear Physics	350
MINNESOTA, UNIVERSITY OF Minneapolis, MN	DE-FC02-01ER25505 09/14/2007 Numrich	SC-21.1	Center for Programming Models for Scalable Parallel Computing	0
MINNESOTA, UNIVERSITY OF Minneapolis, MN	DE-FG02-03ER25554 04/30/2007 Weissman	SC-21.1	Community Services: Parallel Scientific Computation Made Easy	0
MINNESOTA, UNIVERSITY OF Minneapolis, MN	DE-FG02-03ER25569 06/30/2008 Woodward	SC-21.1	Piecewise-Parabolic Methods for Parallel Computation with Applications to Unstable, Turbulent Fluid Flows	0
MINNESOTA, UNIVERSITY OF Minneapolis, MN	DE-FG02-03ER25585 05/14/2009 Saad	SC-21.1	Scalable Methods for Electronic Excitations and Optical Responses of Nanostructures: Mathematics to Algorithms	100

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
MINNESOTA, UNIVERSITY OF Minneapolis, MN	DE-FG02-04ER25629 09/14/2008 Numrich	SC-21.1	Petascale Application Development Analysis	150
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	120
MINNESOTA, UNIVERSITY OF Minneapolis, MN	DE-FG02-94ER40823 10/31/2010 Rusack, Olive	SC-25	Experimental and Theoretical High Energy Physics	2,427
MINNESOTA, UNIVERSITY OF Minneapolis, MN	DE-FG02-02ER46004 08/31/2011 Goldman	SC-22.22	Tunneling and Transport in Nanowires	117
MINNESOTA, UNIVERSITY OF Minneapolis, MN	DE-FG02-99ER45770 06/30/2007 Leo	SC-22.21	Microstructural Evolution and Interfacial Motion in Systems with Diffusion Barriers	0
MINNESOTA, UNIVERSITY OF Minneapolis, MN	DE-FG02-06ER46275 03/14/2009 Leighton	SC-22.21	A Global Understanding of Magnetic Phase Separation in Doped Cobaltites	121
MINNESOTA, UNIVERSITY OF Minneapolis, MN	DE-FG02-05ER46252 02/28/2011 Zhu	SC-22.23	Spectroscopy and Charge Transport at Organic Semiconductor and Organic/Insulator Interfaces	185
MINNESOTA, UNIVERSITY OF Minneapolis, MN	DE-FG02-06ER46310 12/31/2007 Glazman	SC-22.22	Electron Coherence in Mesoscopic Structures	160
MINNESOTA, UNIVERSITY OF Minneapolis, MN	DE-FG02-06ER46348 08/14/2010 Norris	SC-22.23	Modification of Thermal Emission via Metallic Photonic Crystals	218
MINNESOTA, UNIVERSITY OF Minneapolis, MN	DE-FG02-06ER46274 07/31/2007 McMurry	SC-23.3	Workshop on New Particle Formation in the Atmosphere - September 7-9, 2006	11
MINNESOTA, UNIVERSITY OF Minneapolis, MN	DE-FG02-06ER64216 03/14/2009 Matsumoto	SC-23.3	Changes in the Natural Ocean Carbon Cycle During the Industrial Period? An Assessment With Ensemble Runs Using a Reduced Complexity, Prognostic Biology...	199
MINNESOTA, UNIVERSITY OF Minneapolis, MN	DE-FG02-06ER64223 03/31/2010 Penn	SC-23.4	The Reaction Specificity of Nanoparticles in Solution: Application to the Reaction of Nanoparticulate Iron and Iron-Bimetal	66
MINNESOTA, UNIVERSITY OF Minneapolis, MN	DE-FG02-06ER64316 08/31/2009 Griffis	SC-23.3	Investigation of Carbon Cycle Processes within a Managed Landscape: An Ecosystem Manipulation and Isotope Tracer Approach	200
MINNESOTA, UNIVERSITY OF Minneapolis, MN	DE-FG02-05ER63997 12/31/2010 McMurry	SC-23.3	Growth Rates of Freshly Nucleated Particles	222
MINNESOTA, UNIVERSITY OF Minneapolis, MN	DE-FG02-03ER63684 08/31/2007 Griffis	SC-23.3	Impacts of Land Management and Climate on Agroecosystem Greenhouse Gas Exchange in the Upper Midwest United States	0

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
MINNESOTA, UNIVERSITY OF St. Paul, MN	DE-FG02-03ER15417 07/14/2007 Gibson	SC-22.13	Characterization of Sugar Insensitive (sis) Mutants of Arabidopsis	50
MINNESOTA, UNIVERSITY OF St. Paul, MN	DE-FG02-03ER15414 08/31/2007 Ward	SC-22.13	Functional Analysis of Plant Sugar Transporters	49
Total for MN :				6,820

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Listing of Awards for State (MO)

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
SITY OF SCIENCE AND TECHNOLOGY Rolla, MO	DE-FG02-03ER46067 07/31/2007 Armaly	SC-22.23	Convection Heat Transfer in Three-Dimensional Turbulent Separated/Reattached Flows	0
SITY OF SCIENCE AND TECHNOLOGY Rolla, MO	DE-FG02-84ER53175 11/30/2008 Olson	SC-24.2	Collisional Processes of Interest in MFE and IFE Plasma Research	99
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	300
MISSOURI, UNIVERSITY OF Columbia, MO	DE-FG02-03ER63616 12/14/2007 Deng	SC-23.4	Interfacial Reduction - Oxidation Mechanisms Governing Fate and Transport of Contaminants in the Vadose Zone	209
MISSOURI, UNIVERSITY OF Columbia, MO	DE-FG02-05ER64126 09/14/2008 Wall	SC-23.4	Identification of Molecular and Cellular Responses of <i>Desulfovibrio vulgaris</i> Biofilms Under Culture Conditions Relevant	40
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	100
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	90
MISSOURI, UNIVERSITY OF Columbia, MO	DE-FG02-06ER46307 08/14/2009 Zhang	SC-22.22	Effects of Current on Ferromagnets	110
MISSOURI, UNIVERSITY OF Columbia, MO	DE-FG02-00ER45818 11/30/2009 Satpathy	SC-22.22	Fundamental Studies of Magnetic Oxides from Electronic Structure Calculations	90
MISSOURI, UNIVERSITY OF Columbia, MO	DE-FG02-05ER15652 06/14/2009 Walker	SC-22.13	A Novel Family of Small Proteins that Affect Plant Development	120
MISSOURI, UNIVERSITY OF Columbia, MO	DE-FG02-04ER15607 05/31/2009 Thompson	SC-22.11	Theoretical Chemical Dynamics Studies of Elementary Combustion React	100
MISSOURI, UNIVERSITY OF Columbia, MO	DE-FG02-88ER13880 07/14/2011 Sharp	SC-22.1	Platinum Oxo Complex Reactivity and Dioxygen Activation	290
MISSOURI, UNIVERSITY OF Columbia, MO	DE-FG02-01CH11098 09/30/2007 Folk, Winship	SC-23	Cancer Research Facilities at the University of Missouri-Columbia	0
MISSOURI, UNIVERSITY OF Columbia, MO	DE-FG02-06CH11394 08/31/2010 Crist, Montgomery	SC-23	Health Sciences Research and Education Center Planning	1,443
MISSOURI, UNIVERSITY OF Kansas City, MO	DE-FG02-84ER45170 10/31/2009 Ching	SC-22.21	Theoretical Studies on the Electronics Structures and Properties of Complex Ceramic Crystals and Novel Materials	158

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
WASHINGTON UNIVERSITY St. Louis, MO	DE-FG02-05ER15661 05/14/2011 Holten	SC-22.13	Fundamental Studies of Hydroporphyrin Architectures for Solar Energy Applications	130
WASHINGTON UNIVERSITY St. Louis, MO	DE-FG02-06ER25737 08/14/2009 Chen	SC-21.1	Efficient Large-Scale Nonlinear Constrained Optimization Using Constraint Partitioning	99
WASHINGTON UNIVERSITY St. Louis, MO	DE-FG02-04ER25624 12/14/2010 Fried	SC-21.1	Continuum Mechanical and Computational Aspects of Material Behavior	44
WASHINGTON UNIVERSITY St. Louis, MO	DE-FG02-91ER40628 03/31/2011 Bender, Ogilvie, Bernard	SC-25	Studies in Quantum Field Theory and Astroparticle Physics	530
WASHINGTON UNIVERSITY St. Louis, MO	DE-FG02-88ER40406 11/30/2011 Sarantites	SC-26.1	Investigations of Nuclear Structure and Nuclear Reactions	300
WASHINGTON UNIVERSITY St. Louis, MO	DE-FG02-87ER40316 12/31/2010 Sobotka	SC-26.1	Studies of Complex Nuclear Decay in Heavy-Ion Reactions	230
WASHINGTON UNIVERSITY St. Louis, MO	DE-FG02-87ER60512 12/30/2006 Welch	SC-23.2	Preparation of Radiopharmaceuticals Labeled with Metal Radionuclides	0
WASHINGTON UNIVERSITY St. Louis, MO	DE-FG02-84ER60218 06/30/2008 Welch	SC-23.2	Labeling of Receptor Ligands and Other Compounds with Halogen Radionuclides	0
WASHINGTON UNIVERSITY St. Louis, MO	DE-FG02-94ER61885 02/28/2007 Piwnica-Worms	SC-23.2	Imaging and Targeted Therapy of Multi-Drug Resistance	0
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
WASHINGTON UNIVERSITY St. Louis, MO	DE-FG02-05ER41375 05/31/2011 Alford	SC-26.1	Signatures of Color Superconductivity in High-Density Quark Matter	105
WASHINGTON UNIVERSITY St. Louis, MO	DE-FG02-05ER63972 12/14/2008 Stormo	SC-23.2	Identification and Characterization of Prokaryotic Regulatory Networks	197
WASHINGTON UNIVERSITY St. Louis, MO	DE-FG02-06ER64229 05/31/2009 Giammar	SC-23.4	Coupled Biogeochemical Processes Governing the Stability of Bacteriogenic Uraninite and Release of U(VI) in Heterogeneous Media: Molecular to Meter Scales	87
Total for MO :				5,061

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
JACKSON STATE UNIVERSITY Jackson, MS	DE-FG02-06CH11393 03/31/2008 Okojie	SC-23	Bioengineering Complex Construction Project	1,925
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	962
MISSISSIPPI STATE UNIVERSITY Mississippi State, MS	DE-FG02-06ER46315 08/31/2009 Clay	SC-22.22	Theory of Coexisting Density Waves in Low Dimensional Quarter-Filled Band Molecular Solids	127
MISSISSIPPI STATE UNIVERSITY Mississippi State, MS	DE-FG02-00ER45830 06/30/2007 French	SC-22.21	Mississippi University Research Consortium for the Utilization of Biomass -- Phase II	0
MISSISSIPPI STATE UNIVERSITY Mississippi State, MS	DE-FG02-95ER40939 04/30/2010 Ma	SC-26.1	Experimental Nuclear Structure Studies	138
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	65
MISSISSIPPI STATE UNIVERSITY Mississippi State, MS	DE-FG02-04ER41330 08/14/2010 Dunne	SC-26.1	Intermediate Energy Nuclear Physics Program	60
MISSISSIPPI STATE UNIVERSITY Mississippi State, MS	DE-FG02-04ER15514 01/31/2009 Sygula	SC-22.12	Polynuclear Aromatic Hydrocarbons with Curved Surfaces: Buckybowls	100
MISSISSIPPI, UNIVERSITY OF University, MS	DE-FG02-91ER40622 04/30/2010 Cremaldi	SC-25	Experimental Study of Electroweak and Heavy Flavor Physics	530
MISSISSIPPI, UNIVERSITY OF University, MS	DE-FG02-03ER41282 02/28/2007 Cremaldi	SC-25	Accelerator R&D Projects for LC	0
MISSISSIPPI, UNIVERSITY OF University, MS	DE-FG02-04ER46121 04/30/2008 Bass	SC-22.21	Resonant Ultrasound Studies of Complex Transition Metal Oxides	142
MISSISSIPPI, UNIVERSITY OF University, MS	DE-FG07-01ER63286 09/14/2004 Hussey	SC-23.4	Novel Fission-Product Separation Based on Room-Temperature Ionic Liquids	0
MISSISSIPPI, UNIVERSITY OF University, MS	DE-FG02-05ER64005 12/14/2007 Hussey	SC-23.4	Fission-Product Separation Based on Room-Temperature Ionic-Liquids	63
Total for MS :				4,112

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Listing of Awards for State (MT)

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
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	90
MONTANA STATE UNIVERSITY Bozeman, MT	DE-FG02-02ER45968 12/31/2007 Lapeyre	SC-22.21	Investigation of the Quantum Structure of Surfaces with Far UV Excitation Spectroscopies	0
MONTANA STATE UNIVERSITY Bozeman, MT	DE-FG02-04ER15563 08/31/2010 Peters	SC-22.13	Novel microbial based enzymatic CO2 fixation/carboxylation mechanisms	120
MONTANA STATE UNIVERSITY Bozeman, MT	DE-FG02-06ER64206 12/14/2009 Gerlach	SC-23.4	Mobility of Source Zone Heavy Metals and Radionuclides: The Mixed Roles of Fermentative Activity on Fate and	154
MONTANA, UNIVERSITY OF Missoula, MT	DE-FG03-02ER63411 06/30/2005 Rosenzweig	SC-23.4	The Role of Biogenic Solids in the Reductive Solubilization of Metal Contaminants	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	400
MONTANA, UNIVERSITY OF Missoula, MT	DE-FG02-03ER54699 03/31/2009 Ware	SC-24.2	High Beta Stellarator Studies and Cross Phase Dynamics in Turbulent Transport	66
Total for MT :				830

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
DAVIDSON COLLEGE Davidson, NC	DE-FG02-04ER25590 10/31/2010 Chartier	SC-21.1	Numerical Methods for Forward and Inverse Problems in Discontinuous Media	33
DUKE UNIVERSITY Durham, NC	DE-FG02-97ER41033 02/28/2009 Howell	SC-26.1	Studies of Nuclear Structure Using Neutrons and Charged Particles	2,542
DUKE UNIVERSITY Durham, NC	DE-FG02-01ER41175 12/31/2008 Tornow	SC-26.2	High Intensity Gamma-ray Source at Duke	0
DUKE UNIVERSITY Durham, NC	DE-FG02-03ER41231 12/14/2010 Gao	SC-26.1	Medium Energy Physics at Duke University	309
DUKE UNIVERSITY Durham, NC	DE-FG02-03ER41239 03/14/2008 Bass	SC-26.1	Modeling and Analysis of Ultra-Relativistic Heavy-Ion Collisions	81
DUKE UNIVERSITY Durham, NC	DE-FG02-05ER41367 03/14/2011 Mueller	SC-26.1	Nuclear Physics at Extreme Energy Density	185
DUKE UNIVERSITY Durham, NC	DE-FG02-05ER41368 03/14/2011 Springer	SC-26.1	Lattice and Effective Field Theory Studies of Quantum Chromodynamics	274
DUKE UNIVERSITY Durham, NC	DE-FG02-05ER41376 06/14/2010 Mehen	SC-26.1	Heavy Quarks, QCD, and Effective Field Theory	75
DUKE UNIVERSITY Durham, NC	DE-FG02-00ER63015 09/14/2009 Oren	SC-23.3	Controls of Net Ecosystem Exchange at an Old Field, a Pine Plantation, & a Hardwood Forest Under Identical Climatic & Edaphic	173
DUKE UNIVERSITY Durham, NC	DE-FG02-95ER62083 07/31/2009 Oren, Schlesinger	SC-23.3	Duke Forest FACE - Forest-Atmosphere Carbon Transfer and Storage (FACTS-I)	1,162
DUKE UNIVERSITY Durham, NC	DE-FG02-01ER15205 12/31/2008 Thomas	SC-22.1	Quantum Dynamics of Optically-Trapped Fermi Gases	135
DUKE UNIVERSITY Durham, NC	DE-FG02-91ER40665 11/30/2009 Goshaw	SC-25	Research in High Energy Physics at Duke University	1,052
DUKE UNIVERSITY Durham, NC	DE-FG02-05ER25675 05/14/2008 Dolbow	SC-21.1	Computational Strategies for Phase Transitions Driven by Coupled Stress and Diffusion: Application to the Kinetic of	67
DUKE UNIVERSITY Durham, NC	DE-FC02-06ER64156 11/30/2010 Jackson	SC-23.3	Southeastern Regional Center of the National Institute for Climatic Change Research	2,061
DUKE UNIVERSITY Durham, NC	DE-FG02-06ER64242 05/31/2009 Jackson	SC-23.3	The Interaction of Carbon Sequestration and Water Availability Along a Subambient to Elevated CO2 Gradient	275

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
DUKE UNIVERSITY Durham, NC	DE-FG02-06ER64273 07/14/2009 Hegerl, Corliss	SC-23.3	Reducing Uncertainties in Future Climate Projections by Quantifying Human Contributions to 20th Century Climate Change	282
DUKE UNIVERSITY MEDICAL CENTER Durham, NC	DE-FG02-05ER64101 01/31/2009 Jirtle	SC-23.2	Imprinted Genes and Transposons: Epigenomic Targets for Low Dose Radiation Effects	350
DUKE UNIVERSITY MEDICAL CENTER Durham, NC	DE-FG02-03ER63635 08/31/2007 Li	SC-23.2	Molecular Characterization of the Role of SOD Genes in Mammalian Cellular Response to Low Dose Ionizing	174
DUKE UNIVERSITY MEDICAL CENTER Durham, NC	DE-FG02-05ER63963 11/30/2006 Zalutsky	SC-23.2	Targeted Radiotherapeutics: Chemical and Biological Aspects	0
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	250
METHODIST COLLEGE Fayetteville, NC	DE-FG02-06CH11451 11/30/2007 Raineri, Davenport	SC-23	Environmental Simulation Research Center for Occupational and Environmental Health, Safety and Compliance Research	481
NORTH CAROLINA CENTRAL UNIV. Durham, NC	DE-FG02-05ER41380 11/30/2008 Crowe	SC-26.1	A Proposal to Measure the Cross Section of the Space Star in Neutron-Deuteron Breakup in a Recoil Geometry Setup	74
NORTH CAROLINA CENTRAL UNIV. Durham, NC	DE-FG02-96ER54385 01/31/2012 Dutta	SC-24.2	Precision Characterization of Gyrotron Window Materials	72
NORTH CAROLINA STATE UNIV. Raleigh, NC	DE-FG02-05ER46221 10/31/2007 Feldheim	SC-22.23	RNA Mediated Synthesis of Catalysts for Hydrogen Production and Oxidation	250
NORTH CAROLINA STATE UNIV. Raleigh, NC	DE-FG02-05ER46238 08/31/2009 Gorman	SC-22.23	Direct Writing via Novel Aromatic Ladder Polymer Precursors	150
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	100
NORTH CAROLINA STATE UNIV. Raleigh, NC	DE-FG02-03ER41260 07/14/2009 Schaefer	SC-26.1	Nuclear Theory at North Carolina State University	221
NORTH CAROLINA STATE UNIV. Raleigh, NC	DE-FG02-97ER41048 07/14/2006 Cotanch	SC-26.1	Theoretical Studies of Hadrons and Nuclei	0
NORTH CAROLINA STATE UNIV. Raleigh, NC	DE-FG02-97ER41042 03/31/2009 Mitchell, Huffman	SC-26.1	Nuclear Structure Research at the Triangle Universities Nuclear Laboratory	563
NORTH CAROLINA STATE UNIV. Raleigh, NC	DE-FG02-03ER46095 11/14/2009 Bernholc	SC-22.22	Integrated Multiscale Modeling of Molecular Computing Devices	220

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
NORTH CAROLINA STATE UNIV. Raleigh, NC	DE-FG02-02ER46003 08/31/2006 Koch	SC-22.23	Deformation Behavior of Nanostructured Materials; A Prerequisite for Design	0
NORTH CAROLINA STATE UNIV. Raleigh, NC	DE-FG02-86ER45259 10/31/2010 Whangbo	SC-22.23	Band Electronic Structures and Crystal Packing Forces	157
NORTH CAROLINA STATE UNIV. Raleigh, NC	DE-FG02-98ER45737 06/14/2010 Ade	SC-22.23	Organic Heterojunction Devices: Structure, Composition, and Performance	208
NORTH CAROLINA STATE UNIV. Raleigh, NC	DE-FG02-98ER45685 02/28/2010 Bernholc	SC-22.22	Theoretical Investigations of Nanoscale Structures	70
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	140
NORTH CAROLINA STATE UNIV. Raleigh, NC	DE-FG02-05ER25664 01/31/2009 Mueller	SC-21.1	MOLAR: Modular Linux and Adaptive Runtime support for HEC OS/R research	30
NORTH CAROLINA STATE UNIV. Raleigh, NC	DE-FG02-05ER25685 08/14/2009 Ma	SC-21.1	Runtime Data Management for Data-Intensive Scientific Applications	100
NORTH CAROLINA STATE UNIV. Raleigh, NC	DE-FC02-01ER25484 02/14/2007 Vouk	SC-21.1	Scientific Data Management Integrated Software Infrastructure Center	0
NORTH CAROLINA STATE UNIV. Raleigh, NC	DE-FG02-96ER20219 07/31/2008 Kelly	SC-22.13	Polypeptide and Polysaccharide Processing by Heterotrophic Hyperthermophilic Microorganisms	50
NORTH CAROLINA STATE UNIV. Raleigh, NC	DE-FG02-00ER15065 06/30/2009 Boston	SC-22.13	Coordination of endoplasmic reticulum (ER) signaling during maize seed development	120
NORTH CAROLINA STATE UNIV. Raleigh, NC	DE-FG02-02ER15354 09/14/2011 Smirnov	SC-22.13	Nanotube-Supported Phospholipid Bilayers	130
NORTH CAROLINA STATE UNIV. Raleigh, NC	DE-FG02-03ER15442 12/31/2005 Chiang	SC-22.13	Regulation of Guaiacyl and Syringyl Monolignol Biosynthesis	0
NORTH CAROLINA STATE UNIV. Raleigh, NC	DE-FG02-03ER15490 09/14/2009 Hanck, Gunnoe	SC-22.12	Transition Metal Catalyzed Hydroarylation of Multiple Bonds: Exploration of Second Generation Ruthenium Catalysts and	140
NORTH CAROLINA STATE UNIV. Raleigh, NC	DE-FG02-97ER14771 08/14/2007 Hall	SC-22.1	Theoretical Treatment of the Thermophysical Properties of Fluids Containing Chain-like Molecules	50
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	211

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
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	323
NORTH CAROLINA STATE UNIV. Raleigh, NC	DE-FG02-04ER63752 12/14/2010 Lazzi	SC-23.2	Artificial Retina Project: Electromagnetic and Thermal Effects	185
NORTH CAROLINA, UNIVERSITY OF Chapel Hill, NC	DE-FG02-05ER63975 12/14/2006 Ramsey	SC-23.4	Nanofluidic Structures for Electrokinetic-Based Hydraulic Pumps	0
NORTH CAROLINA, UNIVERSITY OF Chapel Hill, NC	DE-FG02-04ER63929 08/31/2006 Webster	SC-23.3	Methods for Developing Emissions Scenarios for Integrated Assessment Models	0
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	145
NORTH CAROLINA, UNIVERSITY OF Chapel Hill, NC	DE-FG02-06CH11460 10/31/2008 Pisano	SC-23	Collaborative Initiative in Biomedical Imaging to Study Complex Diseases	722
NORTH CAROLINA, UNIVERSITY OF Chapel Hill, NC	DE-FC02-01ER25471 06/14/2007 Minion	SC-21.1	An Algorithmic and Software Framework for Applied Partial Differential Equations	66
NORTH CAROLINA, UNIVERSITY OF Chapel Hill, NC	DE-FG02-95ER20187 07/14/2009 Dangl	SC-22.13	Functions of Pseudomonas syringae type III effector proteins in plant disease and disease resistance	200
NORTH CAROLINA, UNIVERSITY OF Chapel Hill, NC	DE-FG02-05ER15630 02/28/2009 Gagne	SC-22.12	Oxidative Addition at Anomeric Centers in the Pursuit of Value-Added Fine Chemical Feedstocks From Cardboard and Potatoes	125
NORTH CAROLINA, UNIVERSITY OF Chapel Hill, NC	DE-FG02-05ER15671 09/14/2009 Jones	SC-22.13	Sugar Sensing in Arabidopsis via AtRGS1	120
NORTH CAROLINA, UNIVERSITY OF Chapel Hill, NC	DE-FG02-05ER15669 07/31/2011 Kieber	SC-22.13	Regulation of Nuclear Localization of Signaling Proteins by Cytokinin	120
NORTH CAROLINA, UNIVERSITY OF Chapel Hill, NC	DE-FG02-05ER15651 07/31/2009 Copenhaver	SC-22.13	Regulation of Meiotic Recombination	119
NORTH CAROLINA, UNIVERSITY OF Chapel Hill, NC	DE-FG02-06ER15788 05/14/2009 Meyer, Papanikolas	SC-22.13	Metal-to-Ligand Charge Transfer Excited States on Surfaces and in Rigid Media.Application to Energy Conversion	320
NORTH CAROLINA, UNIVERSITY OF Chapel Hill, NC	DE-FG02-06ER25721 05/31/2007 Mucha	SC-21.1	Model Interacting Particle Systems for Simulation and Macroscopic Description of Particulate Suspensions	123
NORTH CAROLINA, UNIVERSITY OF Chapel Hill, NC	DE-FC02-06ER25764 12/14/2011 Fowler	SC-21.1	Performance Engineering Research Center (PERC-3)	215

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NORTH CAROLINA, UNIVERSITY OF Chapel Hill, NC	DE-FG02-06ER41418 06/30/2009 Ng	SC-25	Theoretical Research in Cosmology, High-Energy Physics and String Theory at UNC-CH	200
NORTH CAROLINA, UNIVERSITY OF Chapel Hill, NC	DE-FC02-06ER41445 03/14/2011 Fowler	SC-25	National Computational Infrastructure for Lattice Gauge Theory	56
NORTH CAROLINA, UNIVERSITY OF Chapel Hill, NC	DE-FG02-97ER41041 03/31/2009 Champagne, Henning	SC-26.1	Studies of Nuclear Processes	558
NORTH CAROLINA, UNIVERSITY OF Chapel Hill, NC	DE-FG02-97ER41036 06/30/2006 Frampton	SC-25	Research in Theoretical Particle Physics	45
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	97
NORTH CAROLINA, UNIVERSITY OF Chapel Hill, NC	DE-FG02-03ER41262 06/30/2006 Dolan	SC-25	Research in Theoretical Particle Physics	40
NORTH CAROLINA, UNIVERSITY OF Chapel Hill, NC	DE-FC02-04ER41340 08/14/2006 Reed	SC-25	National Computational Infrastructure for Lattice Gauge Theory	110
NORTH CAROLINA, UNIVERSITY OF Chapel Hill, NC	DE-FG02-05ER46261 09/14/2009 DeSimone	SC-22.23	Proton Exchange Membranes for Next Generation Fuel Cells	300
NORTH CAROLINA, UNIVERSITY OF Chapel Hill, NC	DE-FG07-01ER63290 09/14/2004 Wallen	SC-23.4	Physicochemical Processes Controlling Source Term from Tank Residuals	-6
NORTH CAROLINA, UNIVERSITY OF Charlotte, NC	DE-FG02-06ER46329 08/31/2009 Gbur	SC-22.22	A Study of Plasmonic Enhanced Transmission Effects in Nano-Optics	54
NORTH CAROLINA, UNIVERSITY OF Charlotte, NC	DE-FG02-06ER25733 08/14/2009 Lu	SC-21.1	Efficient Feature-Driven Visualization of Large Scale Scientific Data	100
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	183
NORTH CAROLINA, UNIVERSITY OF Charlotte, NC	DE-FG02-03ER25565 06/30/2008 Ahn	SC-21.1	Secure Information Sharing within a Collaboratory Environment	0
WAKE FOREST UNIVERSITY Winston-Salem, NC	DE-FG02-03ER25581 09/14/2007 Fulp	SC-21.1	Firewall Architectures for High Speed Networks	0
EST UNIVERSITY HEALTH SCIENCES Winston Salem, NC	DE-FG02-06ER64240 07/31/2008 Atala	SC-23.2	Regeneration of Tissues and Organs Using Autologous Cells	722

Total for NC :

18,259

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
NORTH DAKOTA STATE UNIVERSITY Fargo, ND	DE-FG02-96ER14645 07/14/2011 Hershberger	SC-22.1	Kinetics and Product Channel Studies in Combustion Chemistry	88
NORTH DAKOTA, UNIVERSITY OF Grand Forks, ND	DE-FG02-06ER46292 07/14/2009 Seames	SC-22.21	The North Dakota DOE EPSCoR Infrastructure Improvement Program: Advances in the Fundamental Understanding of Coal	650
NORTH DAKOTA, UNIVERSITY OF Grand Forks, ND	DE-FG02-04ER46120 01/31/2008 Hoffmann	SC-22.21	Development and Parallel Computer Implementation of Quasidegenerate Perturbation Theory for Molecular Electronic Structure	148
NORTH DAKOTA, UNIVERSITY OF Grand Forks, ND	DE-FG02-04ER46115 12/31/2007 Mann	SC-22.21	Addressing System Integration Issues Required for the Development of Distributed Wind-Hydrogen to Energy	135
NORTH DAKOTA, UNIVERSITY OF Grand Forks, ND	DE-FG03-97ER62360 01/14/2005 Poellot	SC-23.3	Analysis of ARM In Situ Microphysical Measurements	0
NORTH DAKOTA, UNIVERSITY OF Grand Forks, ND	DE-FG02-03ER46030 02/14/2007 Andres	SC-22.22	Seasonal Emission Estimates of Global, Fossil-Fuel-Derived Carbon Dioxide Emissions	0
NORTH DAKOTA, UNIVERSITY OF Grand Forks, ND	DE-FG02-06ER64269 12/31/2008 Landis	SC-23.2	EERC Center for Biomass Utilization 2006	962
NORTH DAKOTA, UNIVERSITY OF Grand Forks, ND	DE-FG02-06ER64168 08/31/2008 Poellot	SC-23.3	Analysis of In Situ Observations of Cloud Microphysics from M-PACE	68
Total for ND :				2,051

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Listing of Awards for State (NE)

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
CREIGHTON UNIVERSITY Omaha, NE	DE-FG02-05CH11303 03/31/2007 Salzinger	SC-23	Construction Grant for "Renovation and Construction of Health Sciences Complex"	0
CREIGHTON UNIVERSITY Omaha, NE	DE-FG02-96ER40991 06/30/2011 Cherney	SC-26.1	A Study of Relativistic Heavy Ion Collisions	140
CREIGHTON UNIVERSITY Omaha, NE	DE-FG02-05ER46186 11/30/2007 Seger	SC-22.21	A Study of Ultra-Peripheral Collisions at RHIC	140
NEBRASKA, UNIV. OF KEARNEY Kearney, NE	DE-FG02-06ER64235 06/14/2008 Exstrom	SC-23.2	CIBS Solar Cell Development, University of Nebraska at Kearney	770
NEBRASKA, UNIVERSITY OF Lincoln, NE	DE-FG02-00ER45827 06/30/2007 Choobineh	SC-22.23	Nebraska EPSCoR: DOE Research Implementation Program	0
NEBRASKA, UNIVERSITY OF Lincoln, NE	DE-FG02-04ER46152 06/18/2010 Sellmyer	SC-22.22	Studies of Artificially Structured Composite Magnets	90
NEBRASKA, UNIVERSITY OF Lincoln, NE	DE-FG02-06ER46264 06/15/2008 Leslie-Pelecky	SC-22.21	Magnetic Cluster States in Nanostructured Materials	150
NEBRASKA, UNIVERSITY OF Lincoln, NE	DE-FG02-05ER15663 05/14/2009 Umstadter	SC-22.11	Laser Produced Coherent X-Ray Sources	125
NEBRASKA, UNIVERSITY OF Lincoln, NE	DE-FG02-05ER15648 06/14/2008 Stone	SC-22.13	Role of a Transcriptional Regulator in Programmed Cell Death and Plant Development	120
NEBRASKA, UNIVERSITY OF Lincoln, NE	DE-FG02-04ER15531 08/31/2008 Morris	SC-22.13	The Role of a Host Protein (TIP) in the Resistance Response of Arabidopsis to Turnip Crinkle Virus Infection	120
NEBRASKA, UNIVERSITY OF Lincoln, NE	DE-FG02-04ER15532 08/31/2007 Ragsdale	SC-22.13	Enzymology of Methanogenesis: Mechanism of Methyl-Coenzyme M Reductase	140
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	120
NEBRASKA, UNIVERSITY OF Lincoln, NE	DE-FG02-00ER15044 04/30/2009 Spreitzer	SC-22.13	Role of the Rubisco Small Subunit	130
NEBRASKA, UNIVERSITY OF Lincoln, NE	DE-FG02-03ER63639 09/14/2009 Verma	SC-23.3	Carbon Sequestration in Dryland and Irrigated Agroecosystems: Quantification at Different Scales for Improved	350
Total for NE :				2,395

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
DARTMOUTH COLLEGE Hanover, NH	DE-FG02-02ER15350 11/30/2009 Lynd	SC-22.13	Fundamental Aspects of Cellulose Utilization	81
DARTMOUTH COLLEGE Hanover, NH	DE-FG02-06ER15809 07/31/2009 Guerinot	SC-22.13	From the Soil to the Seed: Metal Transport in Arabidopsis	130
DARTMOUTH COLLEGE Hanover, NH	DE-FG02-05ER15704 09/14/2009 Schaller	SC-22.13	Post-transcriptional regulation of ethylene perception and signaling in Arabidopsis	120
DARTMOUTH COLLEGE Hanover, NH	DE-FG02-04ER63930 12/31/2008 Fisher-Vanden	SC-23.3	The Channels of Foreign Influence on the Innovation and Diffusion of Technology in China: Implications for Energy Use and	115
DARTMOUTH COLLEGE Hanover, NH	DE-FG02-06ER64225 03/14/2007 Fisher-Vanden	SC-23.3	Workshop on Technological Change and the Environment (March 25-26, 2006)	13
NEW HAMPSHIRE, UNIVERSITY OF Durham, NH	DE-FG02-05ER54832 07/14/2008 Bhattacharjee	SC-24.2	Reconnection Research at CMSO	147
NEW HAMPSHIRE, UNIVERSITY OF Durham, NH	DE-FG02-04ER54803 08/14/2007 Bhattacharjee	SC-24.2	Nonlinear Waves and Instabilities in Strongly Coupled Dusty Plasmas	70
NEW HAMPSHIRE, UNIVERSITY OF Durham, NH	DE-FG02-06ER54894 07/31/2009 Chen	SC-24.2	Collaborative Research: Laboratory Investigation of Alfvén Field Line Resonances and Electron Acceleration	11
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	482
Total for NH :				1,169

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
CENTENARY COLLEGE Hackettstown, NJ	DE-FG02-06CH11373 09/14/2009 Hoyt, Albanese	SC-23	Expansion of Littell Technology Center	481
HACKENSACK UNIV MED CTR Hackensack, NJ	DE-FG02-06CH11398 08/31/2007 Heeley, Cunning	SC-23	Capital Support for the Sarkis and Siran Gabrellian Women's and Children's Pavilion at Hackensack University Medical Center	962
HACKENSACK UNIV MED CTR Hackensack, NJ	DE-FG02-06CH11399 01/31/2008 Korngold, Cuning	SC-23	Purchase of Cell Sorter for Division of Research at the Cancer Center at Hackensack University Medical Center	241
INSTITUTE FOR ADVANCED STUDY Princeton, NJ	DE-FG02-90ER40542 11/30/2009 Adler, Arkani-Hamed	SC-25	Problems in Particle Theory	680
NEW JERSEY INSTITUTE OF TECH Newark, NJ	DE-FG02-04ER25654 09/14/2008 Kriegsmann	SC-21.1	Applied Mathematical Problems in Microwave Processing of Ceramics	68
NEW JERSEY, THE COLLEGE OF Ewing, NJ	DE-FG02-06CH11400 06/30/2007 O'Connell, Fogarty	SC-23	Establish a Genomic Analysis Facility at The College of New Jersey	241
PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-01ER54628 03/14/2008 Srolovitz, Car	SC-24.2	Multiscale Modeling of Defect Generation and Evolution in Metallic Alloys for Fusion Power	120
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	105
PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-05ER54838 12/31/2008 Fisch	SC-24.2	Ultra-High Intensity Magnetic Field Generation in Dense Plasma	60
PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-06ER54851 04/14/2009 Fisch	SC-24.2	Alpha Channeling in Mirror Machines	61
PRINCETON UNIVERSITY Princeton, NJ	DE-FC02-04ER54787 07/31/2009 Kevrekidis	SC-24.2	The Center for Multiscale Plasma Dynamics	115
PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-00ER63009 11/30/2006 Sarmiento	SC-23.3	Carbon Sequestration by Fertilization: A Comprehensive Assessment Using Coupled Physical-Ecological Biogeochemical Models	205
PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-01ER63196 08/31/2008 Bryan	SC-23.3	Testing Components of a New Community Isopycnal Ocean Circulation Model	32
PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-06ER46344 09/14/2009 Selloni	SC-22.23	Theoretical Research Program on Bio-Inspired Inorganic Hydrogen Generating Catalysts and Electrodes	225
PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-04ER46108 12/31/2011 Torquato	SC-22.23	Optimizing Interaction Potentials to Form Targeted Material Structures	130

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PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-05ER46201 04/30/2011 Car	SC-22.22	Density Functional Theory with Dissipation: Transport Through Single Molecules	99
PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-04ER46165 04/30/2011 Kahn	SC-22.22	Understanding and Design of Polymer Devices Interfaces	416
PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-00ER45841 11/14/2009 Shayegan	SC-22.22	Magneto-Transport in GaAs Two-Dimensional Hole Systems	118
PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-93ER45503 12/31/2006 Scoles	SC-22.23	Structure, Growth and Nanochemistry of Ultrathin Organic Films	0
PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-97ER45642 05/31/2008 Scherer	SC-22.23	Stress from Confined Fluids	119
PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-98ER45683 02/14/2010 Tsui	SC-22.22	Experiments on the Interplay of Disorder & Interactions in Quantum Hall Effect Related Electron Physics	132
PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-99ER45797 09/14/2009 Haataja	SC-22.22	Structure and Dynamics of Interfaces	48
PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-98ER45706 04/30/2010 Cava	SC-22.23	New Superconducting Materials	168
PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-86ER13503 11/15/2008 Dryer	SC-22.1	Comprehensive Mechanisms for Combustion Chemistry: An Experimental and Numerical Study with Emphasis on Applied Sensitivity Analysis	120
PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-87ER13714 04/30/2008 Debenedetti	SC-22.1	Fundamental Studies of Metastable Liquids	300
PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-01ER15121 12/31/2008 Panagiotopoulos	SC-22.1	Molecular Simulation of Phase Equilibria for Complex Fluids	300
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-FG02-91ER40671 10/31/2011 Smith	SC-25	High Energy Physics Research	3,151
PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-03ER25587 05/14/2009 E	SC-21.1	Integrated Multiscale Modeling of Molecular Computing Devices	0
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 to Observables	125

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PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-05ER15636 01/31/2009 Peters	SC-22.12	Up-Scaling Geochemical Reaction Rates for CO2 in Deep Saline Aquifers	160
PRINCETON UNIVERSITY Princeton, NJ	DE-FC02-01ER25456 07/31/2007 Li	SC-21.1	SciDAC Fusiongrid Project--Collaborative Shared Displays	0
PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-05ER63973 12/14/2007 Jaffe	SC-23.4	Reduction and Reoxidation of Soils During & After Uranium Bioremediation; Implications for Long-Term Uraninite	206
PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-05ER64006 01/14/2009 Dabbs	SC-23.4	Precipitation and Deposition of Aluminum-Containing Phases in Tank Wastes	120
PRINCETON UNIVERSITY Princeton, NJ	DE-FG02-05ER64040 09/30/2006 Sarmiento	SC-23.3	DOE Ocean Carbon Sequestration Research Workshop 2005 - May 26th thru 27th	0
OBERT WOOD JOHNSON UNIV. HOSP. New Brunswick, NJ	DE-FG02-04CH11206 12/31/2007 Ragovin, Burgis	SC-23	Linear Accelerator for the Cancer Hospital of New Jersey at Robert Wood Johnson University Hospital	0
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	180
RUTGERS - STATE UNIV OF NJ New Brunswick, NJ	DE-FG02-06ER46289 07/31/2009 Khachatryan	SC-22.22	Mesoscale Interfacial Dynamics in Magnetoelectric Nanocomposites	50
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-FG02-96ER40987 06/30/2011 Mekjian	SC-26.1	Nuclei Under the Extreme Conditions of Density, Temperature, Isospin Asymmetry & the Phase Diagram of Hadronic Matter	54
RUTGERS - STATE UNIV OF NJ New Brunswick, NJ	DE-FG02-96ER40959 02/28/2010 Thomas	SC-25	Research in Theoretical High Energy Physics	405
RUTGERS - STATE UNIV OF NJ New Brunswick, NJ	DE-FG02-04ER41346 08/31/2006 Schnetzer	SC-25	Development of a Radiation-Hard, High Spatial-Precision, 4H-SiC Particle Detector Using Avalanche Multiplication	0
RUTGERS - STATE UNIV OF NJ New Brunswick, NJ	DE-FG02-01ER41165 02/28/2010 Neuberger	SC-25	Research in High Energy Physics - Theory	82
RUTGERS - STATE UNIV OF NJ New Brunswick, NJ	DE-FG02-99ER45761 08/14/2009 Kotliar, Abrahams	SC-22.22	Correlation Effects and Magnetism in Actinide: Elements and Compounds	123
RUTGERS - STATE UNIV OF NJ New Brunswick, NJ	DE-FG02-06ER64149 11/14/2008 Kerkhof	SC-23.3	Active Microbes Responding to Inputs From the Orinoco River Plume	906

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RUTGERS - STATE UNIV OF NJ New Brunswick, NJ	DE-FG02-05ER63969 12/31/2008 Barkay	SC-23.4	Microbial pathways for the mobilization of mercury as Hg(O) in anoxic subsurface environments	231
RUTGERS - STATE UNIV OF NJ Newark, NJ	DE-FG02-06ER15828 08/31/2009 Piotrowiak	SC-22.13	Kerr-Gated Microscopy with Subpicosecond Time Resolution: Application to Ultrafast Processes in Single Nanoparticles,	151
RUTGERS - STATE UNIV OF NJ Piscataway, NJ	DE-FG02-93ER14353 10/31/2007 Goldman	SC-22.1	Carbon-Hydrogen Bond Functionalization Catalyzed by Transition Metal Systems	0
RUTGERS - STATE UNIV OF NJ Piscataway, NJ	DE-FG02-93ER14331 02/14/2011 Bartynski	SC-22.1	Nanoscale Surface Chemistry: Over Faceted Substrates: Structure, Reactivity and Nanotemplates	179
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	125
RUTGERS - STATE UNIV OF NJ Piscataway, NJ	DE-FG02-99ER45742 11/14/2009 Andrei	SC-22.22	Experimental Studies of Superconductivity, Charge Ordering and Unconventional Electron Dynamics in Layered Materials	109
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
RUTGERS - STATE UNIV OF NJ Piscataway, NJ	DE-FG02-01ER45928 03/14/2008 Burke	SC-22.22	Density Functional Theory with Dissipation: Transport Through Single Molecules	100
RUTGERS - STATE UNIV OF NJ Piscataway, NJ	DE-FG02-02ER63314 02/10/2006 Veron	SC-23.3	Application of Stochastic Radiative Transfer Theory to the ARM Cloud-Radiation Parameterization Problem	-29
SETON HALL UNIVERSITY South Orange, NJ	DE-FG02-06CH11396 12/31/2007 Demaeski, De Martino	SC-23	Seton Hall Science/Tech Center, NJ	481
TEVENS INSTITUTE OF TECHNOLOGY Hoboken, NJ	DE-FG02-06ER25732 08/14/2009 Xu	SC-21.1	Numerical Stochastic Homogenization Method and Multiscale Stochastic Finite Element Method - A Paradigm for Multiscale Computation of Stochastic PDEs	98
TEVENS INSTITUTE OF TECHNOLOGY Hoboken, NJ	DE-FG02-97ER14791 01/31/2009 Tarnovsky	SC-22.11	Electron-Driven Ionization and Dissociative Attachment	92
Total for NJ :				13,050

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
NEW MEXICO STATE UNIVERSITY Las Cruces, NM	DE-FG02-94ER40847 03/31/2009 Kyle	SC-26.1	Experimental Studies of Quark-Gluon Structure of Nucleons and Nuclei	342
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	99
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	201
NEW MEXICO, UNIVERSITY OF Albuquerque, NM	DE-FG02-94ER40821 11/30/2011 Bassalleck, Fields	SC-26.1	Strange Particles and Heavy Ion Physics	342
NEW MEXICO, UNIVERSITY OF Albuquerque, NM	DE-FG02-04ER41300 02/28/2010 Matthews, Seidel, Gold	SC-25	New Mexico Center for Particle Physics (NMCPP) -- Task A: Collider Physics; Task A2 Collider Physics; Task B: Particle Astrophysics	692
NEW MEXICO, UNIVERSITY OF Albuquerque, NM	DE-FG02-05ER41388 08/14/2008 Seidel	SC-25	ADR: Fabrication & Testing of 3D Active-Edge Silicon Sensors: High Speed, High Yield	23
NEW MEXICO, UNIVERSITY OF Albuquerque, NM	DE-FG02-02ER46015 08/31/2009 Jain	SC-22.22	Two-Photon Absorption in Quantum Dots, Quantum Dashes, and Related Nanostructured Semiconductor Materials	0
NEW MEXICO, UNIVERSITY OF Albuquerque, NM	DE-FG02-06ER54895 07/31/2009 Watts	SC-24.2	Coupling of the Photosphere to the Solar Corona	99
NEW MEXICO, UNIVERSITY OF Albuquerque, NM	DE-FG02-06ER54898 07/31/2009 Gilmore	SC-24.2	Investigation of Intermittent Turbulence and Turbulent Structures in the Presence of Controlled Sheared Flow	119
NEW MEXICO, UNIVERSITY OF Albuquerque, NM	DE-FG02-04ER54791 01/31/2008 Gilmore	SC-24.2	Experimental Investigation of Active Feedback Control of Turbulent Transport in a Magnetized Plasma	162
NEW MEXICO, UNIVERSITY OF Albuquerque, NM	DE-FG02-04ER46119 01/31/2008 Vorobieff	SC-22.21	DOE EPSCoR: Experimental and Numerical Investigation of Flows in Expanding Channels	150
NEW MEXICO, UNIVERSITY OF Albuquerque, NM	DE-FG02-05ER25662 01/31/2009 Maccabe	SC-21.1	A Framework for Adaptable Operating and Runtime Systems	252
NEW MEXICO, UNIVERSITY OF Albuquerque, NM	DE-FG02-05ER25705 08/14/2009 Ingber	SC-21.1	Localized Scale Coupling and New Educational Paradigms in Multiscale Mathematics and Science	125
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	240

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
NEW MEXICO, UNIVERSITY OF Albuquerque, NM	DE-FG02-06ER15765 03/31/2009 Kemp	SC-22.12	Direct Epoxidations Using Molecular Oxygen	250
NEW MEXICO, UNIVERSITY OF Albuquerque, NM	DE-FG02-03ER15419 07/31/2009 Paine	SC-22.12	Preorganized and Immobilized Ligands for Metal Ion Separations	135
NEW MEXICO, UNIVERSITY OF Albuquerque, NM	DE-FG02-02ER15368 11/14/2009 Brinker	SC-22.1	Catalytic and Transport Behaviors of Model Porous and Composite Nanostructures	167
NEW MEXICO, UNIVERSITY OF Albuquerque, NM	DE-FG02-03ER63591 07/31/2007 Sinsabaugh	SC-23.3	Mechanisms Controlling Soil Carbon Sequestration Under Nitrogen Deposition	0
NEW MEXICO, UNIVERSITY OF Albuquerque, NM	DE-FG07-02ER63508 09/14/2005 Asmerom	SC-23.4	Field-Scale In Situ Measurements of Vadose Zone Flow and Transport Using Multiple Tracers at INEEL Vadose Zone Research Park	0
Total for NM :				3,490

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands)
				FY 2006
ADA SYSTEM OF HIGHER EDUCATION Las Vegas, NV	DE-FG02-06ER46295 07/31/2009 Czerwinski	SC-22.21	Investigations of the Fundamental Surface Reactions Involved in the Sorption and Desorption of Radionuclides	700
, UNIV. LAS VEGAS RES. FOUND. Las Vegas, NV	DE-FG02-05ER64123 03/30/2007 Czerwinski	SC-23.2	Radiochemistry Education and Research Center	0
, UNIV. LAS VEGAS RES. FOUND. Las Vegas, NV	DE-FG02-04ER63941 06/30/2007 Culbreth	SC-23.2	Advanced Environmental Control and Life Support Technology Demonstrator	0
, UNIV. LAS VEGAS RES. FOUND. Las Vegas, NV	DE-FG02-04ER63884 09/30/2007 Sandgren	SC-23.2	Safety and Risk Analysis for Hazardous and Radioactive Materials Transportation	0
, UNIV. LAS VEGAS RES. FOUND. Las Vegas, NV	DE-FG02-04ER63880 12/31/2006 Williams	SC-23.2	Next-Generation Mega-Voltage Imaging System for Cargo Container Inspection	0
NEVADA, UNIVERSITY OF Las Vegas, NV	DE-FG02-03ER63651 09/14/2009 Nowak	SC-23.3	Biotic Processes Regulating the Carbon Balance of Desert Ecosystems	731
NEVADA, UNIVERSITY OF Las Vegas, NV	DE-FG02-04ER63733 06/30/2007 Czerwinski	SC-23.4	Microbial Transformations of Tru and Mixed Wastes: Actinide Speciation and Waste Volume Reduction	70
NEVADA, UNIVERSITY OF Las Vegas, NV	DE-FG02-02ER63361 08/31/2007 Smith	SC-23.3	Effects of Changing Water and Nitrogen Inputs on a Mojave Desert Ecosystem	0
NEVADA, UNIVERSITY OF Las Vegas, NV	DE-FG02-06ER64231 05/31/2008 Klicka	SC-23.2	Assessing the Status of Threatened and Endangered Mojave Desert Birds: A Conservation Genetics Approach	241
NEVADA, UNIVERSITY OF Reno, NV	DE-FG02-03ER63650 09/14/2007 Nowak	SC-23.3	Effects of Elevated CO2 on Root Function and Soil Respiration in a Mojave Desert Ecosystem	0
NEVADA, UNIVERSITY OF Reno, NV	DE-FG02-03ER15424 01/31/2010 Phaneuf	SC-22.1	Energetic Photon and Electron Interactions with Positive Ions	82
NEVADA, UNIVERSITY OF Reno, NV	DE-FG02-04ER15626 08/31/2009 Harper	SC-22.13	Membrane Targeting of P-type ATPases in Plant Cells	130
NEVADA, UNIVERSITY OF Reno, NV	DE-FG02-06ER54900 07/31/2009 Winterberg	SC-24.2	Magnetic Booster Fast Ignition Macron Accelerator	24
NEVADA, UNIVERSITY OF Reno, NV	DE-FG02-06ER54892 07/31/2008 Bauer	SC-24.2	Radiation-Magnetohydrodynamic Evolution and Instability of Conductors Driven by Megagauss Magnetic Fields	930
NEVADA, UNIVERSITY OF Reno, NV	DE-FG02-05ER54837 07/31/2009 Sentoku	SC-24.2	Isochoric Heating of Hot Dense Matter by Laser-Magnetized Plasma Interaction	30

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NEVADA, UNIVERSITY OF Reno, NV	DE-FG02-04ER54752 02/14/2012 Bauer	SC-24.2	Intense Magnetized Plasma-Wall Interaction	295
N NEVADA, COMMUNITY COLLEGE OF North Las Vegas, NV	DE-FG02-06CH11395 03/31/2008 Pate, Bucelato	SC-23	Community College of Southern Nevada Transportation Academy	481
N NEVADA, UNIV. MEDICAL CENTER Las Vegas, NV	DE-FG02-06CH11372 03/31/2007 Yedinak	SC-23	Radiology/Oncology and Diagnostics Development Program	962
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	75
Total for NV :				4,751

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
BRONX COMMUNITY COLLEGE Bronx, NY	DE-FG02-04CH11210 12/31/2009 Seliger	SC-23	Center for Sustainable Energy at Bronx Community College	962
BROOKLYN COLLEGE OF CUNY Brooklyn, NY	DE-FG02-06CH11450 06/30/2007 Hainline	SC-23	Equipment for Improvement for Brooklyn College Scientific Imaging Facilities	722
COLUMBIA UNIVERSITY New York, NY	DE-FG02-03ER54696 02/14/2012 Boozer	SC-24.2	Resistive Wall Modes and Error Field Amplification	138
COLUMBIA UNIVERSITY New York, NY	DE-FG02-04ER54761 02/14/2010 Navratil	SC-24.2	MHD Mode Control Research in DIII-D	320
COLUMBIA UNIVERSITY New York, NY	DE-FC02-06ER54862 01/14/2011 Keyes	SC-24.2	Center for Plasma Edge Simulation	100
COLUMBIA UNIVERSITY New York, NY	DE-FC02-06ER54863 01/14/2011 Keyes	SC-24.2	Center for Simulation of Wave Interactions with Magnetohydrodynamics	40
COLUMBIA UNIVERSITY New York, NY	DE-FG02-05ER46215 07/14/2011 Kim	SC-22.22	Investigation of the Quantum Limit Transport Phenomena in Graphene	100
COLUMBIA UNIVERSITY New York, NY	DE-FG02-04ER46118 04/30/2009 Nuckolls	SC-22.23	Electronics from Nano-Scale Crystals	550
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	100
COLUMBIA UNIVERSITY New York, NY	DE-FG02-04ER46157 07/14/2010 Osgood	SC-22.22	Mapping the Electron Response of Nanomaterials	200
COLUMBIA UNIVERSITY New York, NY	DE-FG02-86ER53222 11/30/2009 Navratil	SC-24.2	High Beta Tokamak Research	900
COLUMBIA UNIVERSITY New York, NY	DE-FG02-95ER54333 01/31/2010 Boozer	SC-24.2	Stellarator Theory	197
COLUMBIA UNIVERSITY New York, NY	DE-FG02-00ER54585 08/14/2009 Mauel	SC-24.2	Nonlinear Dynamics of Strong Interchange Instabilities in a Rotating Dipole-Confined Plasma	129
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	476
COLUMBIA UNIVERSITY New York, NY	DE-FG02-98ER54459 10/31/2009 Mauel	SC-24.2	Levitated Dipole Experiment	416

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COLUMBIA UNIVERSITY New York, NY	DE-FG02-98ER54464 01/14/2010 Sen	SC-24.2	Basic Physics of Tokamak Transport and Feedback Control	317
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	280
COLUMBIA UNIVERSITY New York, NY	DE-FG02-92ER40699 11/30/2010 Lee	SC-25	Theoretical High Energy Physics	1,673
COLUMBIA UNIVERSITY New York, NY	DE-FG02-05ER41389 08/14/2007 Aprile	SC-25	A New Electrostatically-Focused, UV HPD for Liquid Xenon: A Direct Comparison with APD, PMT, SiPM in an Integrated Database	0
COLUMBIA UNIVERSITY New York, NY	DE-FG02-03ER15463 09/14/2009 Heinz	SC-22.12	Controlling Structural, Electronic, and Energy Flow Dynamics of Catalytic Processes Through Tailored Nanostructures	345
COLUMBIA UNIVERSITY New York, NY	DE-FG02-97ER14807 05/31/2010 Norton	SC-22.1	Catalytic Applications of H. Transfer from Transition-Metal Hydride Complexes	130
COLUMBIA UNIVERSITY New York, NY	DE-FG02-98ER14861 02/28/2011 Brus	SC-22.13	Metallic Carbon Nanotubes and Silver Nanocrystals	169
COLUMBIA UNIVERSITY New York, NY	DE-FG02-01ER15264 01/31/2011 Nuckolls, Brus	SC-22.12	Catalytic Growth of Molecular-Scale Wiring	135
COLUMBIA UNIVERSITY New York, NY	DE-FG02-93ER14339 07/31/2009 Parkin	SC-22.12	Fundamental Studies of Metal Centered Transformations Relevant to Catalysis	160
COLUMBIA UNIVERSITY New York, NY	DE-FG02-90ER14162 04/30/2009 Friesner	SC-22.1	Theoretical Studies of Photoactive Molecular Systems: Electron Transfer, Energy Transport, and Optical Spectroscopy	160
COLUMBIA UNIVERSITY New York, NY	DE-FG02-91ER14225 11/30/2006 Valentini	SC-22.1	Single-Collision Studies of Energy Transfer and Chemical Reaction	0
COLUMBIA UNIVERSITY New York, NY	DE-FG02-91ER14226 01/31/2010 Eisenthal	SC-22.1	Photochemistry at Interfaces	145
COLUMBIA UNIVERSITY New York, NY	DE-FG02-90ER14104 01/31/2011 Osgood	SC-22.1	Laser Dynamic Studies of Photoreactions on Nanostructured Surfaces	109
COLUMBIA UNIVERSITY New York, NY	DE-FG02-88ER13937 06/30/2009 Flynn	SC-22.1	Scanning Tunneling Microscopy Studies of the Structure and Chemistry of Polycyclic Aromatic Hydrocarbons on Graphite Surfaces	160
COLUMBIA UNIVERSITY New York, NY	DE-FG02-92ER25126 08/31/2007 Goldfarb	SC-21.1	Algorithms for Mathematical Programming	99

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
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-FG02-86ER40281 11/14/2010 Zajc	SC-26.1	Studying Fundamental Matter with High Transverse Momentum Probes	830
COLUMBIA UNIVERSITY New York, NY	DE-FG02-91ER40669 11/14/2008 Marshall	SC-25	Experimental Research on a Laser Cyclotron Autoresonance Accelerator	140
COLUMBIA UNIVERSITY New York, NY	DE-FG02-04ER25652 09/14/2007 Keyes	SC-21.1	Gyrokinetic Particle Simulations of Turbulent in Burning Plasmas	80
COLUMBIA UNIVERSITY New York, NY	DE-FG02-04ER25595 12/14/2006 Keyes	SC-21.1	Terascale Optimal PDE Simulations SciDAC ISIC	183
COLUMBIA UNIVERSITY New York, NY	DE-FG02-03ER25562 08/14/2007 Nieh	SC-21.1	Migration Mechanisms for Large-Scale Parallel Applications	0
COLUMBIA UNIVERSITY New York, NY	DE-FG02-05ER64054 05/14/2009 Geard	SC-23.2	The Adaptive Response, Genetic Haplo-Insufficiency and Genomic Instability	356
COLUMBIA UNIVERSITY New York, NY	DE-FG02-05ER64055 12/31/2009 Balajee	SC-23.2	Cellular Response to Low Dose Radiation: Role of Phosphatidylinositol-3 Kinase Like Kinases	340
COLUMBIA UNIVERSITY New York, NY	DE-FG02-06ER64217 02/28/2008 Brenner	SC-23.2	7th International Workshop on Microbeam Probes of Cellular Radiation Response	29
COLUMBIA UNIVERSITY New York, NY	DE-FG02-02ER63413 07/14/2010 Robertson	SC-23.3	Collaborative Research: Regional Climate-Change Projections Through Next-Generation Empirical and Dynamical Models	44
COLUMBIA UNIVERSITY New York, NY	DE-FG02-03ER63441 11/14/2007 Hall	SC-23.2	Mechanisms of the Bystander Effect	0
COLUMBIA UNIVERSITY New York, NY	DE-FG02-03ER63647 08/31/2006 Brenner	SC-23.2	mFISH Measurements of Chromosomal Aberrations in Individuals Exposed in Utero to Gamma-Ray Doses from 5-20 cGy (Glue Grant)	53
COLUMBIA UNIVERSITY New York, NY	DE-FG02-03ER63631 08/31/2006 Brenner	SC-23.2	Is Increased Low-Dose Radiosensitivity Associated with Increased Transgenerational Germline Mutation	183
COLUMBIA UNIVERSITY New York, NY	DE-FG02-03ER63600 12/31/2007 Bergmann	SC-23.2	Noninvasive Imaging of Administered Progenitor Cells	0
COLUMBIA UNIVERSITY New York, NY	DE-FG02-04ER63725 02/28/2007 Tselioudis	SC-23.3	A Study to Investigate Cloud Feedback Processes and Evaluate GCM Cloud Variations Using Statistical Cloud	106

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				FY 2006
BIA UNIVERSITY HEALTH SCIENCES New York, NY	DE-FG02-03ER63629 08/31/2007 Hall	SC-23.2	Individual Genetic Susceptibility	556
CORNELL UNIVERSITY Ithaca, NY	DE-FG02-05ER46198 04/30/2009 Elser	SC-22.22	Algorithms for Diffractive Microscopy	100
CORNELL UNIVERSITY Ithaca, NY	DE-FG02-04ER46154 06/14/2010 Sievers	SC-22.3	Holographic Spectroscopy for Rapid Electron Bunch Analysis: Development of an Instrument with THz Resolved Optical Gating	130
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-FG02-05ER46259 09/14/2008 DiSalvo	SC-22.23	Novel Intermetallic Catalysts to Enhance PEM Membrane Durability	100
CORNELL UNIVERSITY Ithaca, NY	DE-FG02-98ER54496 07/14/2008 Hammer	SC-24.2	Physics of High-Energy-Density X Pinch Plasmas	248
CORNELL UNIVERSITY Ithaca, NY	DE-FG02-06ER46306 07/31/2009 Davis	SC-22.22	Atomic Scale Studies of Doped-Hole Distributions, Self Organized Electronic Nano-Domains, and Electron-Boson Coupling in High Tc Cuprates	230
CORNELL UNIVERSITY Ithaca, NY	DE-FG02-91ER61138 06/30/2007 Chandra, Morrison	SC-23.2	Subcellular Boron and Fluorine Distributions with SIMS Ion Microscopy for BNCT and Cancer Research	0
CORNELL UNIVERSITY Ithaca, NY	DE-FG02-99ER62809 11/30/2006 Webb	SC-23.2	New Nanoscopic Method for High-Throughput Sequencing of Individual DNA Molecules	0
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-FG02-87ER45298 12/31/2010 DiSalvo	SC-22.23	Development of Methods to Synthesize Nanoparticles of Ordered Intermetallic Compounds (Binary, Ternary, and Quaternary): Application to Fuel Cell	230
CORNELL UNIVERSITY Ithaca, NY	DE-FG02-89ER45405 06/30/2009 Henley	SC-22.22	Quasi-crystals and Quasi-equivalence: Symmetries and Energies in Alloys and Biological Materials	105
CORNELL UNIVERSITY Ithaca, NY	DE-FG02-03ER46072 08/31/2009 Abruna, DiSalvo	SC-22.23	Cornell Fuel Cell Institute: Materials Discovery to Enable Fuel Cell Technologies	1,150
CORNELL UNIVERSITY Ithaca, NY	DE-FG02-03ER46073 02/14/2008 Koch	SC-22.23	Transport Processes in Sheared, Neutrally Buoyant Particle Suspensions at Moderate Particle Reynolds Numbers	124
CORNELL UNIVERSITY Ithaca, NY	DE-FG02-04ER41352 08/31/2008 Rubin	SC-25	Accelerator R&D for a Linear Collider	32

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CORNELL UNIVERSITY Ithaca, NY	DE-FG02-04ER41353 08/31/2007 Tigner	SC-25	Development of Helical Undulator for ILC Positron Source	85
CORNELL UNIVERSITY Ithaca, NY	DE-FG02-04ER41354 08/31/2009 Padamsee	SC-25	Research in Superconducting Radiofrequency Systems	140
CORNELL UNIVERSITY Ithaca, NY	DE-FG02-01ER41206 08/31/2007 Csaki	SC-25	Physics of Extra Dimensions	42
CORNELL UNIVERSITY Ithaca, NY	DE-FG02-05ER15687 08/14/2011 Coates	SC-22.12	Development and Application of New Catalysts for Heterocycle Carbonylation	150
CORNELL UNIVERSITY Ithaca, NY	DE-FG02-05ER15659 04/30/2011 Chirik	SC-22.12	Understanding Nitrogen Fixation	130
CORNELL UNIVERSITY Ithaca, NY	DE-FG02-93ER25164 02/28/2011 Guckenheimer	SC-21.1	Computational Analysis of Dynamical Systems	99
CORNELL UNIVERSITY Ithaca, NY	DE-FG02-95ER20206 04/14/2009 Shapleigh	SC-22.13	Regulation of Denitrification in Rhodobacter sphaeroides	50
CORNELL UNIVERSITY Ithaca, NY	DE-FG02-06ER25722 12/31/2008 Albonesi	SC-21.1	Portable and Transparent Message Compression in MPI Libraries to Improve the Performance and Scalability of Parallel Applications	98
CORNELL UNIVERSITY Ithaca, NY	DE-FG02-89ER14030 05/31/2008 Hanson	SC-22.13	Intracellular Dynamics of Energy-Transducing Organelles	120
CORNELL UNIVERSITY Ithaca, NY	DE-FG02-84ER13233 05/31/2007 Wilson	SC-22.13	Studies of the Genetic Regulation of Thermobifida Cellulases	0
CORNELL UNIVERSITY Ithaca, NY	DE-FG02-90ER14128 03/14/2009 Pope	SC-22.11	Investigation of Non-Premixed Turbulent Combustion	134
CORNELL UNIVERSITY Ithaca, NY	DE-FG02-88ER13934 08/31/2005 Houston	SC-22.1	Product Imaging of Molecular Dynamics Relevant to Combustion	0
CORNELL UNIVERSITY Ithaca, NY	DE-FG02-01ER15180 10/31/2010 Cool	SC-22.1	Studies of the Chemistry of Oxygenated Fuels with Photoionization Mass Spectrometry	140
CORNELL UNIVERSITY Ithaca, NY	DE-FG02-02ER15341 08/14/2009 Gan	SC-22.13	Molecular Regulatory Mechanisms of Two Senescence-Specific Genes in Arabidopsis	120
CORNELL UNIVERSITY Ithaca, NY	DE-FG02-98ER14857 07/14/2007 Davis	SC-22.1	Joint Theoretical and Experimental Study of Key Radicals in Hydrocarbon Combustion	135

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CORNELL UNIVERSITY Ithaca, NY	DE-FG02-00ER15095 06/30/2009 Davis	SC-22.1	Bimolecular Dynamics of Combustion Reactions	180
CORNELL UNIVERSITY Ithaca, NY	DE-FG02-04ER15560 07/14/2008 Van Wijk	SC-22.13	Proteolysis in plastids of Arabidopsis thaliana: Functional analysis of ClpS1,2,T and their physical and genetic	130
DOWLING COLLEGE Oakdale, NY	DE-FG02-03ER63601 08/31/2009 Bernstein	SC-23.2	Local System Support for PDB Biological Unit Search and Display	9
DOWLING COLLEGE Oakdale, NY	DE-FG02-06ER64212 01/31/2009 Bernstein	SC-23.2	Workshop -- imgCIF: The Management of Synchrotron Image Data, A Series of Three Workshops - Summer 2006-2007	10
NEW SCHOOL, THE New York, NY	DE-FG02-05CH11275 10/31/2013 Moriarty, Goodman	SC-23	New Green Building	481
YORK UNIV. SCHOOL OF MEDICINE New York, NY	DE-FG02-04ER63919 08/31/2007 Gordon	SC-23.2	Transgenic Mouse Models of Chronic Beryllium Disease	0
NEW YORK UNIVERSITY New York, NY	DE-FG02-02ER15292 03/31/2007 Percus	SC-22.1	Properties of Classical Fluids Under Molecular Scale Confinement	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	140
NEW YORK UNIVERSITY New York, NY	DE-FG02-88ER25053 02/28/2011 Berger, Greengard	SC-21.1	Applied Analysis and Computational Mathematics	1,422
NEW YORK UNIVERSITY New York, NY	DE-FC02-01ER25472 06/14/2006 Berger	SC-21.1	An Algorithmic and Software Framework for Applied Partial Differential Equations	66
NEW YORK UNIVERSITY New York, NY	DE-FC02-01ER25482 03/14/2007 Widlund	SC-21.1	Terascale Optimal PDE Simulations (TOPS) Center	0
NEW YORK UNIVERSITY New York, NY	DE-FG02-06ER25718 11/14/2009 Widlund	SC-21.1	Domain Decomposition and Parallel Computing	70
NEW YORK UNIVERSITY New York, NY	DE-FG02-92ER54184 03/14/2006 Zaslavsky	SC-24.2	Investigation of Anomalous Transport and Study of Particle Dynamics in the Ergodic Layer	0
NEW YORK UNIVERSITY New York, NY	DE-FG02-86ER53223 12/31/2009 Chang	SC-24.2	Plasma Properties (Task III) Advanced Toroidal Theory (Task VII)	695
NEW YORK UNIVERSITY New York, NY	DE-FC02-04ER54801 12/14/2007 Strauss	SC-24.2	Center for Extended Magnetohydrodynamic Modeling	137

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NEW YORK UNIVERSITY New York, NY	DE-FC02-06ER54845 01/14/2011 Chang	SC-24.2	SciDAC - Center for Plasma Edge Simulation	503
NEW YORK UNIVERSITY New York, NY	DE-FG02-03ER46099 02/28/2010 Evans	SC-22.23	Material Lessons of Biology: Structure-Function Studies of Protein Sequences Involved in Inorganic-Organic Composite Material Formation	135
NEW YORK UNIVERSITY New York, NY	DE-FG02-06ER41417 05/31/2009 Weiner	SC-25	Beyond the Standard Model: The Weak Scale, Neutrino Mass, and the Dark Sector	60
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	0
NEW YORK, CITY U. OF CITY COLL New York, NY	DE-FG02-03ER46089 02/28/2007 Makse	SC-22.23	Nonequilibrium Thermodynamics of Densely Packed Granular Matter and Compressed Emulsions	80
NEW YORK, CITY U. OF CITY COLL New York, NY	DE-FG02-06ER46284 08/14/2009 Yu	SC-22.22	Near Surface Plasticity and Its Implications in Surface Treatment	62
NEW YORK, CITY U. OF CITY COLL New York, NY	DE-FG02-06ER15817 08/14/2009 Koplik	SC-22.12	Complex Fluids in Self-Affine Fractures	106
NEW YORK, CITY U. OF CITY COLL New York, NY	DE-FG02-03ER15458 10/31/2009 Makse	SC-22.1	Study of Damping Granular Materials	85
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	130
NEW YORK, CITY U. OF HUNTER C. New York, NY	DE-FG02-96ER14660 08/31/2006 Greenbaum	SC-22.1	Spectroscopic Studies of Lithium Battery Materials	0
NEW YORK, CITY U. OF HUNTER C. New York, NY	DE-FG02-01ER45935 10/14/2010 Matsui	SC-22.23	Room-Temperature Synthesis of Semiconductor Nanowires by Templating Collagen Triple Helices and Their Precise	160
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	50
NEW YORK, STATE U. OF ALBANY Albany, NY	DE-FG02-92ER61369 01/31/2010 Wang	SC-23.3	Study of Regional Climate Change	397
NEW YORK, STATE U. OF ALBANY Albany, NY	DE-FG02-91ER40631 04/30/2009 Alam	SC-25	Study of Heavy-Flavored Particles	195
NEW YORK, STATE U. OF ALBANY Albany, NY	DE-FG02-03ER63531 12/14/2011 Min	SC-23.3	Retrievals of Cloud Optical Properties and Photon Path Length Distributions Using Existing ARM Data Streams	170

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NEW YORK, STATE U. OF ALBANY Albany, NY	DE-FG02-06ER64266 06/30/2008 Amidon	SC-23.2	Woody Biomass Project at SUNY-ESF	674
NEW YORK, STATE U. OF ALBANY Albany, NY	DE-FG02-06ER64281 09/29/2008 Das	SC-23.2	New York Nano-Bio Molecular Information Technology Incubator (NYNBIT)	722
NEW YORK, STATE U. OF BINGHTN Binghamton, NY	DE-FG02-06ER64179 09/30/2008 Yang	SC-23.3	Optimal Coordination & Synchronization in Local Air Quality & GHG Emissions: An Economic Study of Multi-Gas Issues in Integrated Assessment of Global Climate ..	52
NEW YORK, STATE U. OF BINGHTN Binghamton, NY	DE-FG02-06ER64180 01/31/2008 Yang	SC-23.3	Model Developments for Development of Improved Emissions Scenarios: Developing Purchasing-Power Parity Models, Analyzing	77
NEW YORK, STATE U. OF BUFFALO Amherst, NY	DE-FG02-06ER64209 03/14/2010 Allen-King	SC-23.4	Geochemical & Physical Aquifer Property Heterogenety: A Multiscale Sedimentologic Approach to Reactive Solute Transport	281
NEW YORK, STATE U. OF BUFFALO Amherst, NY	DE-FG02-86ER45231 04/30/2003 Coppens	SC-22.21	SUNY Beamline Facilities at the National Synchrotron Light Source	-8
NEW YORK, STATE U. OF BUFFALO Amherst, NY	DE-FG02-00ER15103 09/14/2009 Hollingsworth	SC-22.13	Post-transcriptional Control of Gene Expression in Land-plant Chloroplasts	50
NEW YORK, STATE U. OF BUFFALO Amherst, NY	DE-FG02-96ER14677 05/31/2007 Kofke	SC-22.1	Studies of Phase Behavior and Structure in Solids	0
NEW YORK, STATE U. OF BUFFALO Buffalo, NY	DE-FG02-90ER14143 10/14/2010 Bright	SC-22.1	Interfacial Solvation Under Aggressive Conditions	149
NEW YORK, STATE U. OF BUFFALO Buffalo, NY	DE-FG02-02ER15372 11/14/2009 Coppens	SC-22.13	Time-Resolved Diffraction Studies of Photo-Induced Processes in Solids	196
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	110
NEW YORK, STATE U. OF BUFFALO Buffalo, NY	DE-FG02-03ER46064 08/14/2009 DeMarco	SC-22.22	Magnetic, Superconducting and Structural Phase Transitions Studied by the 99Ru, 1890s, and 191 Ir Mossbauer Effect in an	143
E U. OF COL. OF ENV. SCI & FOR Syracuse, NY	DE-FG02-02ER15356 09/14/2009 Stipanovic	SC-22.13	The Effect of Cellulose Crystal Structure and Solid-State Morphology on the Activity of Cellulases	150
NEW YORK, STATE U. OF DELHI Delhi, NY	DE-FG02-06ER64288 03/14/2009 Smith	SC-23.2	Center of Excellence in Watershed Applications and Technology-enhanced Economic Revitalization	722
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	722

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NEW YORK, STATE U. OF OLD WEST Albany, NY	DE-FG02-05ER63994 12/31/2008 Weinstein-Lloyd	SC-23.3	Secondary Aerosol: Precursors and Formation Mechanisms	62
NEW YORK, STATE U. OF ONEONTA Oneonta, NY	DE-FG02-04CH11208 03/31/2006 Bachman	SC-23	The Genomics Laboratory at SUNY - Oneonta	0
NEW YORK, STATE U. OF ST BROOK Stony Brook, NY	DE-FG02-04ER63729 11/30/2007 Halada	SC-23.4	Microbial Transformations of TRU and Mixed Wastes: Actinide Speciation and Waste Volume Reduction	40
NEW YORK, STATE U. OF ST BROOK Stony Brook, NY	DE-FG02-96ER14633 11/30/2011 Schoonen	SC-22.1	Reactivity of Iron Bearing Minerals and CO2 Sequestration: A Multi-Disciplinary and Experimental Approach	87
NEW YORK, STATE U. OF ST BROOK Stony Brook, NY	DE-FG02-96ER14681 04/14/2009 Grey	SC-22.1	New Solid-State NMR Approaches for Studying Catalytic and Sorption Sites in Zeolites and Molecular Sieves	130
NEW YORK, STATE U. OF ST BROOK Stony Brook, NY	DE-FG02-86ER13590 12/14/2008 Johnson	SC-22.1	Ionization Probes of Molecular Structure and Chemistry	139
NEW YORK, STATE U. OF ST BROOK Stony Brook, NY	DE-FG02-88ER13850 02/29/2008 Stell	SC-22.1	Thermophysical Properties of Fluids and Fluid Mixtures	20
NEW YORK, STATE U. OF ST BROOK Stony Brook, NY	DE-FG02-02ER15329 03/15/2005 Collier	SC-22.13	A Novel, Photosynthesis-Associated Thioredoxin-Like Gene	-4
NEW YORK, STATE U. OF ST BROOK Stony Brook, NY	DE-FG02-99ER14996 06/30/2009 Wong	SC-22.1	Microscale Processes and Macroscopic Behavior in Porous Geomaterials	124
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	675
NEW YORK, STATE U. OF ST BROOK Stony Brook, NY	DE-FG02-87ER40331 03/31/2011 Lacey	SC-26.1	Nuclear Reaction Studies	380
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	0
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-FG02-05ER15635 08/31/2008 Lindquist	SC-22.12	Up-Scaling Geochemical Reaction Rates for Carbon Dioxide (CO2) in Deep Saline Aquifers	63
NEW YORK, STATE U. OF ST BROOK Stony Brook, NY	DE-FG02-98ER62570 02/28/2011 Zhang	SC-23.3	Development of Integrated ARM Datasets and Their Application to Improve Climate Models	160

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NEW YORK, STATE U. OF ST BROOK Stony Brook, NY	DE-FG02-01ER63195 02/29/2008 Cess	SC-23.3	Research Project on Anthropogenically-Induced Climate Change	398
NEW YORK, STATE U. OF ST BROOK Stony Brook, NY	DE-FG02-04ER46128 04/14/2010 Kirz, Jacobsen	SC-22.21	High Resolution Lenseless 3D Imaging of Nanostructures with Coherent X-Rays	249
NEW YORK, STATE U. OF ST BROOK Stony Brook, NY	DE-FG02-06ER46323 08/14/2009 Strey	SC-22.23	Electrostatically Self-Assembled Amphiplexes	170
NEW YORK, STATE U. OF ST BROOK Stony Brook, NY	DE-FG02-99ER45760 09/30/2008 Hsiao	SC-22.23	Support for the Advanced Polymers Beamline (X27C) at the National Synchrotron Light Source	116
NEW YORK, STATE U. OF ST BROOK Stony Brook, NY	DE-FG02-86ER45237 05/14/2009 Chu	SC-22.23	Polymer-Assisted Formation of Nanostructured Transition Metal Clusters and Crystals	164
NEW YORK, STATE U. OF ST BROOK Stony Brook, NY	DE-FG02-06ER41448 05/14/2009 Zingale	SC-26.1	Multidimensional Modeling of Astrophysical Thermonuclear Explosions	85
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	567
NEW YORK, STATE U. OF ST BROOK Stony Brook, NY	DE-FG02-06ER41406 06/30/2007 Sprouse	SC-26.1	Precision Measurements of Electromagnetic Nuclear Transition Matrix Elements	75
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)	120
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	130
NEW YORK, STATE U. OF ST BROOK Stony Brook, NY	DE-FG02-04ER41326 09/14/2007 Ben-Zvi	SC-25	Development of Electro-Optical Detectors for the Temporal Characterization of Sub-Picosecond Beam Bunches	85
NEW YORK, STATE U. OF ST BROOK Stony Brook, NY	DE-FC02-01ER41185 07/14/2008 Swesty	SC-26.1	Shedding New Light on Exploding Stars: TeraScale Simulations of Neutrino-Driven Supernovae and Their Nucleosynthesis	0
NEW YORK, STATE U. OF ST BROOK Stony Brook, NY	DE-FG02-92ER40697 11/14/2009 Jung, Rijssenbeek, Hobbs	SC-25	Nucleon Decay and Neutrino Experiments and Experiments at High Energy Hadron Colliders	865
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	850
RENSSELAER POLYTECHNIC INST. Troy, NY	DE-FG02-94ER14432 10/31/2010 Watson	SC-22.12	Grain-Boundary Transport of Incompatible Elements in Rocks	215

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RENSSELAER POLYTECHNIC INST. Troy, NY	DE-FG02-90ER14114 11/14/2008 Belfort	SC-22.1	Chemical Interactions Between Protein Molecules and Polymer Materials	148
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-FG02-04ER25616 02/28/2009 Lim	SC-21.1	Dynamics and Statistical Mechanics of Rotating and Non-rotating Vortical Flows	104
RENSSELAER POLYTECHNIC INST. Troy, NY	DE-FG02-05ER25666 05/31/2009 Herron	SC-21.1	Magnetorotational Instability Dissipative MHD Flows	80
RENSSELAER POLYTECHNIC INST. Troy, NY	DE-FG02-05ER25697 08/14/2008 Fish	SC-21.1	A Mathematical Analysis of Atomistic-to-Continuum (AtC) Multiscale Approaches	300
RENSSELAER POLYTECHNIC INST. Troy, NY	DE-FC02-01ER25460 08/14/2007 Shephard, Flaherty	SC-21.1	The Terascale Simulation Tools and Techniques (TSTT) Center	0
RENSSELAER POLYTECHNIC INST. Troy, NY	DE-FG02-05ER46249 09/30/2006 Kumar	SC-22.23	Influence of Surface Chemistry and Folding Free Energy on Protein Adsorption	175
RENSSELAER POLYTECHNIC INST. Troy, NY	DE-FG02-05ER46258 09/30/2009 Benicewicz	SC-22.23	Sol-Gel Based Polybenzimidazole Membranes for Hydrogen Pumping Devices	300
RENSSELAER POLYTECHNIC INST. Troy, NY	DE-FG02-06ER46347 09/14/2009 Lin	SC-22.22	Investigation of Metallic Photonic-Crystals for the Modification of Thermal Emission	153
RENSSELAER POLYTECHNIC INST. Troy, NY	DE-FG02-06ER46349 08/31/2009 Akpalu	SC-22.23	Advancing Renewable Materials by Integrated Light and X-ray Scattering	150
RENSSELAER POLYTECHNIC INST. Troy, NY	DE-FG02-85ER52118 11/30/2009 Steiner	SC-24.2	Advanced Design Studies	100
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	244
RENSSELAER POLYTECHNIC INST. Troy, NY	DE-FG02-04ER46104 11/30/2007 Kebllinski	SC-22.23	Fundamentals of Energy Transport in Nanofluids	50
RENSSELAER POLYTECHNIC INST. Troy, NY	DE-FG02-04ER63822 05/31/2007 Sanderson	SC-23.2	Rensselaer Polytech Center for Quantitative Bioscience	0
ROCHESTER, UNIVERSITY OF Rochester, NY	DE-FG02-91ER40685 10/31/2011 McFarland	SC-25	Theoretical and Experimental Studies of Elementary Physics	2,521

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ROCHESTER, UNIVERSITY OF Rochester, NY	DE-FG02-99ER41099 06/30/2007 Manly	SC-26.1	Study the Collective Behavior of Quarks and Gluons in High Energy Nuclear Collisions	60
ROCHESTER, UNIVERSITY OF Rochester, NY	DE-FG02-06ER46298 07/14/2009 Teitel	SC-22.22	Simulation of Critical Behavior in Classical, Quantum, and Driven Condensed Matter Systems: Applications to Vortex	115
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	99
ROCHESTER, UNIVERSITY OF Rochester, NY	DE-FG02-06ER54879 07/14/2009 Ren	SC-24.2	Current-Driven Filament Instabilities in Relativistic Plasmas	85
ROCHESTER, UNIVERSITY OF Rochester, NY	DE-FG02-04ER54768 05/31/2010 Betti	SC-24.2	Laser Driven Magneto-Inertial Fusion	181
ROCHESTER, UNIVERSITY OF Rochester, NY	DE-FC02-04ER54789 07/31/2009 Betti	SC-24.2	Fusion Science Center for Extreme States of Matter and Fast Ignition Physics	1,088
ROCHESTER, UNIVERSITY OF Rochester, NY	DE-FG02-05ER54839 07/31/2010 Theobald	SC-24.2	Advanced Concept Exploration of Fast Ignition	544
ROCHESTER, UNIVERSITY OF Rochester, NY	DE-FG02-01ER15204 10/31/2010 Novotny	SC-22.1	Antenna-Coupled Emission from Single Quantum Systems	135
ROCHESTER, UNIVERSITY OF Rochester, NY	DE-FG02-90ER14125 02/28/2009 Eisenberg	SC-22.13	Design, Synthesis and Study Multi-Component and Integrated Systems for Light -Driven Hydrogen Generation	145
ROCHESTER, UNIVERSITY OF Rochester, NY	DE-FG02-86ER13569 01/31/2011 Jones	SC-22.1	Transition Metal Activation and Functionalization of Carbon-Hydrogen Carbon-Carbon Bonds	135
ROCHESTER, UNIVERSITY OF Rochester, NY	DE-FG02-06CH11430 06/30/2008 McGraw, Goonan	SC-23	Enhancing Radiation Oncology Facilities at the Univesity of Rochester James P. Wilmont Cancer Center	962
ROCHESTER, UNIVERSITY OF Rochester, NY	DE-FG02-88ER40414 12/31/2010 Schroeder	SC-26.1	Studies of Heavy Ion Reactions and Transuranic Nuclei	360
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 Components	120
ROCHESTER, UNIVERSITY OF Rochester, NY	DE-FG02-06ER15821 08/31/2009 Krauss	SC-22.13	Impact Ionization and Photoinduced Charge Transport in Single-Walled Carbon Nanotubes	108
ROCHESTER, UNIVERSITY OF Rochester, NY	DE-FG02-05ER15713 01/31/2012 Eberly	SC-22.11	Atomic and Molecular Electron Correlation in Strong Fields	100

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ROCHESTER, UNIVERSITY OF Rochester, NY	DE-FG02-05ER15722 12/14/2008 Yates	SC-22.12	Composite Fuel Cell Membranes Containing Aligned Inorganic Particles	100
ROCHESTER, UNIVERSITY OF Rochester, NY	DE-FG02-06ER64236 04/30/2007 Bernhard	SC-23.2	9th International Workshop on Radiation Damage to DNA to be held May 14-17, 2006	10
ROCKEFELLER UNIVERSITY New York, NY	DE-FG02-94ER20142 04/30/2007 Chua	SC-22.13	ABA Signaling in Plants	50
ROCKEFELLER UNIVERSITY New York, NY	DE-FG02-91ER40651 01/31/2010 Goulianos	SC-25	Experimental Studies of Elementary Particle Interactions at High Energies	760
ST. FRANCIS COLLEGE Brooklyn, NY	DE-FG02-05CH11264 04/30/2006 O'Rourke, Dashefsky	SC-23	Academic Center Sustainable Design Project	0
SYRACUSE UNIVERSITY Syracuse, NY	DE-FG02-84ER40146 03/31/2011 Souder	SC-26.1	Spin Dependent Phenomena in Medium Energy Physics	225
SYRACUSE UNIVERSITY Syracuse, NY	DE-FG02-85ER40231 12/31/2009 Balachandran	SC-25	Research Program in Elementary Particle Theory	265
SYRACUSE UNIVERSITY Syracuse, NY	DE-FG02-03ER63658 12/14/2006 Tavlarides	SC-23.4	Acoustic Monitor for Liquid-Solid Slurries Measurements at Low Weight Fractions	0
SYRACUSE UNIVERSITY Syracuse, NY	DE-FG02-04ER63902 08/31/2009 Bogucz	SC-23.2	The Syracuse University Environmental Systems Center "Intelligent Nested Environmental Systems (iNEST)" Project	674
UNION COLLEGE Schenectady, NY	DE-FG02-03ER41252 06/14/2009 Vineyard	SC-26.1	Nucleon Structure Studies with Electromagnetic Probes	56
YESHIVA UNIVERSITY Bronx, NY	DE-FG02-00ER63056 12/14/2006 Singer	SC-23.2	Real Time Imaging of mRNAs In Vivo	0
Total for NY :				43,609

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AKRON, UNIVERSITY OF Akron, OH	DE-FG02-01ER45948 11/14/2006 Hu	SC-22.22	Theory of Electron Interaction Effects on Transport in Nanostructures	0
AKRON, UNIVERSITY OF Akron, OH	DE-FG02-05CH11279 11/30/2009 Cakmak, Kelley	SC-23	Development of National Polymer Innovation Center	481
AKRON, UNIVERSITY OF Akron, OH	DE-FG02-89ER14024 05/31/2008 Lim	SC-22.11	Experimental and Computational Studies of Ultrafast Electronic Relaxation and Charge Transfer in Molecular Systems of Importance to Chemistry	132
BOWLING GREEN STATE UNIVERSITY Bowling Green, OH	DE-FG02-06ER15827 08/31/2009 Lu	SC-22.11	Time Resolved Single-Molecule Chemical Imaging Studies of Interfacial Electron Transfer	160
CASE WESTERN RESERVE UNIV. Cleveland, OH	DE-FG02-06CH11452 11/30/2011 Grega	SC-23	National Center for Regenerative Medicine Capital Equipment, Case Western Reserve University, University Hospitals of Cleveland and the Cleveland Clinic	1,443
CASE WESTERN RESERVE UNIV. Cleveland, OH	DE-FG02-96ER14600 06/30/2008 Scherson	SC-22.1	In-situ Spectroscopic and Structural Studies of Electrode Materials for Advanced Battery Applications	150
CASE WESTERN RESERVE UNIV. Cleveland, OH	DE-FG02-95ER40898 12/31/2009 Vachaspati	SC-25	Theoretical Physics Research at the High Energy Frontier, Including Astrophysics and Cosmology	245
CASE WESTERN RESERVE UNIV. Cleveland, OH	DE-FG02-01ER45934 11/14/2009 Rosenblatt	SC-22.23	Nanoscope Surface Modification for Liquid Crystal Orientation	127
CASE WESTERN RESERVE UNIV. Cleveland, OH	DE-FG02-05ER46244 08/31/2011 Taylor	SC-22.22	Theory, Modeling, and Simulation of Ion Transport in Ionomer Membranes	100
CASE WESTERN RESERVE UNIV. Cleveland, OH	DE-FG02-05ER64118 08/14/2008 Nadeau	SC-23.2	Pathways, Networks and Systems International Conferences	15
CASE WESTERN RESERVE UNIV. Cleveland, OH	DE-FG02-03ER63546 12/31/2007 Nadeau	SC-23.2	Mouse Mutagenesis Workshops	0
CASE WESTERN RESERVE UNIV. Cleveland, OH	DE-FG02-03ER63597 03/31/2007 Lee	SC-23.2	SPECT Imaging for In Vivo Tracking of NIS Containing Stem Cells	0
CINCINNATI, UNIVERSITY OF Cincinnati, OH	DE-FG02-03ER63655 12/15/2006 Heineman	SC-23.4	Spectroelectrochemical Sensor for Perchnetate Applicable to Hanford and Other DOE Sites	170
CINCINNATI, UNIVERSITY OF Cincinnati, OH	DE-FG02-04ER46129 04/14/2010 Jarrell	SC-22.22	Predictive Capability for Strongly Correlated Systems	40
CINCINNATI, UNIVERSITY OF Cincinnati, OH	DE-FG02-04ER15604 08/14/2010 Gulians	SC-22.12	Fundamental Studies of Propane Ammoxidation over Model Bulk and Supported V-Mo-Te-O Catalysts	176

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CINCINNATI, UNIVERSITY OF Cincinnati, OH	DE-FC02-06ER25792 09/14/2011 Jarrell	SC-21.1	Next Generation Multi-Scale Quantum Simulation Software for Strongly Correlated Materials	416
CINCINNATI, UNIVERSITY OF Cincinnati, OH	DE-FG02-84ER40153 12/31/2010 Wijewardhana	SC-25	Research in Particle Physics Task A and B	615
KENT STATE UNIVERSITY Kent, OH	DE-FG02-06ER46331 08/14/2010 Lavrentovich	SC-22.22	Electric Field Effects in Liquid Crystals with Dielectric Dispersion	158
KENT STATE UNIVERSITY Kent, OH	DE-FG02-01ER41194 06/14/2010 Manley	SC-26.1	Baryon Spectroscopy Through Partial-Wave Analysis and Meson Photoproduction	200
KENT STATE UNIVERSITY Kent, OH	DE-FG02-89ER40531 03/31/2009 Keane, Margetis	SC-26.1	Heavy Ion Collisions at the Highest Available Energies	365
KENT STATE UNIVERSITY Kent, OH	DE-FG02-86ER40251 12/31/2009 Fai	SC-26.1	Theoretical Interpretation of High-Energy Nuclear Collisions	117
MIAMI UNIVERSITY Oxford, OH	DE-FG02-86ER45281 12/31/2010 Pechan	SC-22.22	Nanoscale Magnetodynamics and Beyond	60
MIAMI UNIVERSITY Oxford, OH	DE-FG02-04ER63765 02/28/2007 Fields	SC-23.4	Construction of Whole Genome Microarrays, and Expression Analysis of <i>Desulfovibrio</i> <i>vulgaris</i> cells in Metal-Reducing Conditions (Uranium and Chromium)	0
MIAMI UNIVERSITY Oxford, OH	DE-FG02-05ER64125 04/14/2009 Fields	SC-23.4	Identification of Molecular and Cellular Responses of <i>Desulfovibrio vulgaris</i> Biofilms Under Culture Conditions Relevant Fields	220
ATE UNIVERSITY RESEARCH FOUND. Columbus, OH	DE-FG02-04ER63834 05/31/2007 Hansen	SC-23.2	Earth University / Ohio State University Collaborative Program on Environmental Research in the Humid Tropics	289
ATE UNIVERSITY RESEARCH FOUND. Columbus, OH	DE-FG02-04ER63936 08/31/2007 Sohnngen	SC-23.3	An Integrated Intertemporal Analysis of Land Use Change in Forestry and Agriculture: An Assessment of the	0
ATE UNIVERSITY RESEARCH FOUND. Columbus, OH	DE-FG02-04ER25635 12/31/2007 Krishnamurthy	SC-21.1	PetaScale Application Development Analysis	100
ATE UNIVERSITY RESEARCH FOUND. Columbus, OH	DE-FG02-04ER25611 08/14/2007 Parthasarathy	SC-21.1	High Performance Data Mining for Protein Crystallization and Structure Analysis	109
ATE UNIVERSITY RESEARCH FOUND. Columbus, OH	DE-FG02-05ER25660 01/31/2008 Sadayappan	SC-21.1	MOLAR: MODular Linux and Adaptive Runtime support for HEC OS/R research	70
ATE UNIVERSITY RESEARCH FOUND. Columbus, OH	DE-FG02-06ER25735 08/14/2009 Wang	SC-21.1	Feature Extraction, Characterization, and Visualization for Protein Interaction via Geometric and Topological Methods	99

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
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)	130
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-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-FC02-06ER25779 12/14/2011 Shen	SC-21.1	SCIDAC Institute for Ultrascale Visualization	150
ATE UNIVERSITY RESEARCH FOUND. Columbus, OH	DE-FG02-06ER15833 08/31/2009 DiMauro	SC-22.11	Imaging of Electronic Wave Functions During Chemical Reactions	298
ATE UNIVERSITY RESEARCH FOUND. Columbus, OH	DE-FG02-91ER20033 09/14/2008 Tabita	SC-22.13	Biochemistry and control of the reductive tricarboxylic acid pathway of CO2 fixation and physiological role of the RubisCO-like	50
ATE UNIVERSITY RESEARCH FOUND. Columbus, OH	DE-FG02-91ER20041 07/31/2007 Daniels	SC-22.13	Genetic Analysis of Archaeal Transcription	0
ATE UNIVERSITY RESEARCH FOUND. Columbus, OH	DE-FG02-91ER20042 07/31/2009 Krzycki	SC-22.13	Transmethylation reactions during methylotrophic methanogenesis in methanogenic Archaea	130
ATE UNIVERSITY RESEARCH FOUND. Columbus, OH	DE-FG02-06ER15776 04/14/2009 Dutta, Kohler, Verweij	SC-22.13	Photoactive Inorganic Membranes for Charge Transport	220
ATE UNIVERSITY RESEARCH FOUND. Columbus, OH	DE-FG02-05ER15715 07/31/2009 Braaten	SC-22.11	Exploiting Universality in Atoms with Large Scattering Lengths	120
ATE UNIVERSITY RESEARCH FOUND. Columbus, OH	DE-FG02-04ER15495 11/14/2009 Allen	SC-22.12	Metal-Anion Pairing at Oxide/Water Interfaces: Theoretical and Experimental Investigations from the Nanoscale to the Macroscale	43
ATE UNIVERSITY RESEARCH FOUND. Columbus, OH	DE-FG02-00ER15081 12/14/2006 Chisholm	SC-22.1	New Generation Polymers from Inexpensive Renewable Sources by Well-Defined Metal Alkoxide Catalysts, Polyethers, Polyesters	125
ATE UNIVERSITY RESEARCH FOUND. Columbus, OH	DE-FG02-01ER15136 09/30/2006 Pitzer	SC-22.1	Enhanced Methods and Theoretical Studies of the Electronic Structures of Actinide Systems	0
ATE UNIVERSITY RESEARCH FOUND. Columbus, OH	DE-FG02-01ER15172 10/31/2010 Miller	SC-22.1	Detection and Characterization of Free Radicals Relevant to Combustion Processes	140
ATE UNIVERSITY RESEARCH FOUND. Columbus, OH	DE-FG02-87ER13731 03/31/2009 Reeve	SC-22.13	Regulation of Methane Genes and Genome Expression	154

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
ATE UNIVERSITY RESEARCH FOUND. Columbus, OH	DE-FG02-01ER63241 12/31/2007 Tabita	SC-23.2	Integrative Control of Key Metabolic Processes in Rhodospseudomonas Palustris	505
ATE UNIVERSITY RESEARCH FOUND. Columbus, OH	DE-FG02-06ER46330 08/31/2009 Mazumder	SC-22.22	First-Principles Modeling Study of Phonon Heat Conduction in Nanoscale Crystalline Structures	110
ATE UNIVERSITY RESEARCH FOUND. Columbus, OH	DE-FG02-04ER46137 05/14/2008 Mills	SC-22.22	Mechanisms of High Temperature/Low Stress Creep of Ni-Based Superalloy Single Crystals	112
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
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	166
ATE UNIVERSITY RESEARCH FOUND. Columbus, OH	DE-FG02-86ER45271 06/30/2009 Epstein	SC-22.23	Synthesis and Properties of Molecule/Polymer-Based Magnetic Materials	195
ATE UNIVERSITY RESEARCH FOUND. Columbus, OH	DE-FG02-06ER41432 12/31/2009 Kagan	SC-25	Fabrication and Testing of Single Crystal Chemical Vapor Deposition Diamonds for Detector Applications	63
ATE UNIVERSITY RESEARCH FOUND. Columbus, OH	DE-FG02-06ER41429 08/31/2008 Beatty	SC-25	Development of a Low-Power, Low-Cost, Front-End Electronics Module for Large-Scale Distributed Neutrino Detectors	50
ATE UNIVERSITY RESEARCH FOUND. Columbus, OH	DE-FG02-99ER45795 06/30/2010 Wilkins	SC-22.22	Modeling Dynamically and Spatially Complex Materials	195
ATE UNIVERSITY RESEARCH FOUND. Columbus, OH	DE-FG02-95ER40900 12/31/2009 Collings	SC-25	Material, Strands, and Cables for Superconducting Accelerator Magnets	235
ATE UNIVERSITY RESEARCH FOUND. Columbus, OH	DE-FG02-91ER40690 11/30/2010 Kass	SC-25	Research in Elementary Particle Physics	2,415
ATE UNIVERSITY RESEARCH FOUND. Columbus, OH	DE-FG02-01ER41190 04/14/2010 Heinz	SC-26.1	Theory of Ultra-Relativistic Heavy-Ion Collisions	153
ATE UNIVERSITY RESEARCH FOUND. Columbus, OH	DE-FG02-03ER41277 08/31/2008 Gan	SC-25	Design and Fabrication of a Radiation-Hard 500-MHz Digitizer Using Deep Submicron Technology	35
ATE UNIVERSITY RESEARCH FOUND. Columbus, OH	DE-FG02-05ER41377 06/14/2010 Kovchegov	SC-26.1	High Energy QCD	120
OHIO UNIVERSITY Athens, OH	DE-FG02-93ER40756 10/31/2010 Elster	SC-26.1	Nuclear Dynamics and Astrophysics in Few- and Many-Body Systems	313

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
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	110
OHIO UNIVERSITY Athens, OH	DE-FG02-06ER46317 07/31/2009 Smith	SC-22.22	Spin-Polarized Scanning Tunneling Microscopy Studies of Nanoscale Magnetic and Spintronic Nitride Systems	150
OHIO UNIVERSITY Athens, OH	DE-FG02-06ER46300 07/31/2009 Castillo	SC-22.22	Fluctuations in the Dynamics of Glasses	89
OHIO UNIVERSITY Athens, OH	DE-FG02-88ER40387 11/30/2011 Grimes	SC-26.1	Studies of Nuclear Astrophysics, Structure, and Reactions with Neutrons, Radioactive Beams, and Other Probes	375
WRIGHT STATE UNIVERSITY Dayton, OH	DE-FG02-03ER15379 10/31/2011 Higgins	SC-22.1	Kinetic Complexity of Mineral-Water Interface Reactions Relevant to CO2 Sequestration: Atomic-Scale Reactions to Macroscale Processes	97
WRIGHT STATE UNIVERSITY Dayton, OH	DE-FG02-06ER64196 10/14/2007 Hunt	SC-23.4	Applying Distributions of Hydraulic Conductivity for Anisotropic Systems to TcTransport at the U.S. Department of	10
Total for OH :				13,865

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
LANGSTON UNIVERSITY Langston, OK	DE-FG02-99ER41109 05/14/2009 Snow	SC-25	Langston University - High Energy Physics (LU-HEP)	15
OKLAHOMA STATE UNIVERSITY Stillwater, OK	DE-FG02-96ER20215 03/31/2011 Mort	SC-22.13	The Structure of Pectins	107
OKLAHOMA STATE UNIVERSITY Stillwater, OK	DE-FG02-04ER46124 02/28/2010 Xie	SC-22.22	Quantum Charge and Spin Transport	60
OKLAHOMA STATE UNIVERSITY Stillwater, OK	DE-FG02-04ER46140 08/14/2010 Nandi, Wicksted	SC-22.21	Oklahoma Center for High Energy Physics Research	400
OKLAHOMA STATE UNIVERSITY Stillwater, OK	DE-FG02-04ER41306 04/30/2010 Nandi	SC-25	Theoretical Research in Weak, Electromagnetic, and Strong Interactions	167
OKLAHOMA, UNIVERSITY OF Norman, OK	DE-FG02-04ER41305 04/30/2010 Skubic, Milton	SC-25	Experimental Physics Investigations Using Colliding Beam Detectors at Fermilab, Cornell and LHC; Nonperturbative Quantum	538
OKLAHOMA, UNIVERSITY OF Norman, OK	DE-FG02-03ER46040 05/31/2007 Kao	SC-22.23	Searching for Higgs Bosons and New Physics at Hadron Colliders	0
OKLAHOMA, UNIVERSITY OF Norman, OK	DE-FG02-99ER62800 08/14/2007 Luo	SC-23.3	Data-Model Assimilation at the Duke FACE Site Toward Predictive Understanding of Carbon Sequestration at Ecosystem and	0
OKLAHOMA, UNIVERSITY OF Norman, OK	DE-FG02-06ER15811 07/31/2007 Nelson	SC-22.11	Increase Participation of Students, Postdocs, and/or Junior Faculty in SWNT Research and Applications	5
OKLAHOMA, UNIVERSITY OF Norman, OK	DE-FG02-06ER15769 07/31/2011 Krumholz	SC-22.13	Genes Needed for H2 Production by Sulfate Reducing Bacteria	318
OKLAHOMA, UNIVERSITY OF Norman, OK	DE-FG02-03ER63625 02/28/2007 Krumholz	SC-23.4	In-Situ Survival Mechanisms of U and Tc Reducing Bacteria in Contaminated Sediments	49
OKLAHOMA, UNIVERSITY OF Norman, OK	DE-FG02-06ER64245 04/30/2008 Lamb	SC-23.3	Workshop to Promote and Coordinate U.S. Contributions to AMMA on Land Surface, Water Cycle, Aerosol, and Radiation Budget	30
OKLAHOMA, UNIVERSITY OF Norman, OK	DE-FG02-06ER64239 05/31/2010 Resasco	SC-23.2	Carbon Nanotube Technology Center	962
OKLAHOMA, UNIVERSITY OF Norman, OK	DE-FG02-06ER64319 08/31/2009 Luo	SC-23.3	Data-Model Assimilation at the FACE and AmeriFlux Sites Toward Predictive Understanding of Carbon Sequestration at	250
OKLAHOMA, UNIVERSITY OF Norman, OK	DE-FG02-05ER64062 05/31/2011 Lamb	SC-23.3	Scientific Guidance, Research, and Educational Outreach for the ARM Climate Research Facility (ACRF) in the Southern Great Plains	434

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
OKLAHOMA, UNIVERSITY OF Norman, OK	DE-FG02-06ER64200 02/28/2008 Zhou	SC-23.2	The Shewanella Federation: Functional Genomic Investigations of Dissimilatory Metal-Reducing Shewanella	499
OKLAHOMA, UNIVERSITY OF Norman, OK	DE-FG02-06ER64205 02/28/2009 Zhou	SC-23.2	Deduction and Analysis of the Interacting Stress Response Pathways of metal/Radionuclide-Reducing Bacteria	671
Total for OK :				4,505

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands)
				FY 2006
ON HEALTH & SCIENCE UNIVERSITY Beaverton, OR	DE-FG02-06ER64222 03/31/2010 Tratnyek	SC-23.4	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-23.4	Coupled Biogeochemical Processes Governing the Stability of Bacteriogenic Uraninite and Release of U(VI) in Heterogeneous Media: Molecular to Meter Scales	137
OREGON INSTITUTE OF TECHNOLOGY Klamath Falls, OR	DE-FG02-06ER64214 09/30/2007 Lund	SC-23.2	Technical Support and Transfer of Geothermal Technical Knowledge and Information	481
OREGON STATE UNIVERSITY Corvallis, OR	DE-FG02-06ER64318 08/31/2009 Law	SC-23.3	The Effects of Disturbance & Climate on Carbon Storage & the Exchanges of CO2 Water Vapor & Energy Exchange of Evergreen Coniferous Forests in the Pacific...	496
OREGON STATE UNIVERSITY Corvallis, OR	DE-FG02-06ER64307 08/31/2009 Law	SC-23.3	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...	320
OREGON STATE UNIVERSITY Corvallis, OR	DE-FG02-03ER63624 09/14/2007 Loescher	SC-23.3	Improvement in Precision and Accuracy of Ameriflux Site Measurements	0
OREGON STATE UNIVERSITY Corvallis, OR	DE-FG02-04ER63753 12/14/2006 Lach	SC-23.4	Using a Consensus Conference to Characterize Regulatory Concerns Regarding Bioremediation of Radionuclides and Heavy Metals in Mixed Wastes at DOE Sites	0
OREGON STATE UNIVERSITY Corvallis, OR	DE-FG02-04ER63911 09/14/2010 Law	SC-23.3	AmeriFlux Measurement Network: Science Team Research	375
OREGON STATE UNIVERSITY Corvallis, OR	DE-FG02-04ER63781 03/14/2008 Arp	SC-23.2	Metabolomic Functional Analysis of Bacterial Genomes	150
OREGON STATE UNIVERSITY Corvallis, OR	DE-FG02-04ER63788 03/14/2007 Dharmawardhana	SC-23.2	New Genetic Tools for Modifying Tree Properties to Enhance Sequestration	0
OREGON STATE UNIVERSITY Corvallis, OR	DE-FG02-04ER63843 06/14/2007 Strauss	SC-23.2	Genome Enabled Discovery of Carbon Sequestration Genes in Poplar	0
OREGON STATE UNIVERSITY Corvallis, OR	DE-FG02-04ER63917 08/31/2008 Law	SC-23.3	Synthesis of Remote Sensing and Field Observations to Model and Understand Disturbance and Climate Effects on the	319
OREGON STATE UNIVERSITY Corvallis, OR	DE-FG02-05ER63986 09/30/2008 Istok	SC-23.4	Stability of U(VI) and Tc(VII) Reducing Microbial Communities to Environmental Perturbation: Development and Testing of a Thermodynamic Network Model	349
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	115

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
OREGON STATE UNIVERSITY Corvallis, OR	DE-FG03-00ER63014 09/14/2005 Law	SC-23.3	Carbon & Water Vapor Exchange in Successional Stages of Pacific Northwest Forest Ecosystems: Integration of Eddy Flux, Plant & Soil Measurements	0
OREGON STATE UNIVERSITY Corvallis, OR	DE-FG02-05ER25700 08/14/2008 Showalter	SC-21.1	Modeling, Analysis and Simulation of Multiscale Preferential Flow	204
OREGON STATE UNIVERSITY Corvallis, OR	DE-FG02-06ER15819 08/14/2009 Egbert	SC-22.12	Efficient Inversion of Multi-frequency and Multi-source Electromagnetic Induction Data	97
OREGON STATE UNIVERSITY Corvallis, OR	DE-FG02-04ER15583 11/30/2008 Thomas	SC-22.11	Inner-Shell Electron Spectroscopy and Chemical Properties of Atoms and Small Molecules	63
OREGON STATE UNIVERSITY Corvallis, OR	DE-FG02-03ER15436 08/14/2007 Arp	SC-22.13	Obligate Autotrophy in the Ammonia Oxidizing Bacterium Nitrosomonas europaea	0
OREGON STATE UNIVERSITY Corvallis, OR	DE-FG02-02ER15318 07/14/2006 Egbert	SC-22.1	Efficient Inversion of Multi-frequency and Multi-source Electromagnetic Data	0
OREGON, UNIVERSITY OF Eugene, OR	DE-FG02-05ER15634 12/31/2010 Kellman	SC-22.1	Dynamical Analysis of Highly Excited Spectra	130
OREGON, UNIVERSITY OF Eugene, OR	DE-FG02-05ER25680 09/30/2008 Malony	SC-21.1	Application-Specific Performance Technology for Productive Parallel Computing	252
OREGON, UNIVERSITY OF Eugene, OR	DE-FG02-05ER25663 01/31/2008 Malony	SC-21.1	Extreme Performance Scalable Operating Systems	198
OREGON, UNIVERSITY OF Eugene, OR	DE-FG02-03ER25561 02/14/2007 Malony	SC-21.1	Performance Engineering Technology for Scientific Component Software	0
OREGON, UNIVERSITY OF Eugene, OR	DE-FG02-04ER46158 08/31/2011 Kevan	SC-22.22	Manybody Interactions in Magnetic Films and Nanostructures	149
OREGON, UNIVERSITY OF Eugene, OR	DE-FG02-96ER40969 03/31/2011 Brau	SC-25	Task A: Theory of Elementary Particles; Task B Experimental High Energy Physics	902
OREGON, UNIVERSITY OF Eugene, OR	DE-FG02-96ER40972 04/30/2011 Hwa	SC-26.1	Physics of Nuclear Collisions at High Energy	73
OREGON, UNIVERSITY OF Eugene, OR	DE-FG02-05ER41383 07/31/2010 Brau	SC-25	University-Based Detector Research & Development for the International Linear Collider	957
OREGON, UNIVERSITY OF Eugene, OR	DE-FG02-96ER45557 10/31/2010 Richmond	SC-22.23	Wet Interfaces: Molecular Processes Underlying the Structure and Assembly of Thin Films and Nanoparticles at Complex Interfaces	204

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
OREGON, UNIVERSITY OF Eugene, OR	DE-FG02-03ER46061 07/14/2009 Richmond	SC-22.23	Research Project on the Recruitment, Retention, and Promotion of Women in the Chemical Sciences	150
PORTLAND STATE UNIVERSITY Portland, OR	DE-FG02-04ER63913 09/14/2008 Khalil	SC-23.3	Emissions of Greenhouse Gases from Rice Agriculture	497
PORTLAND STATE UNIVERSITY Portland, OR	DE-FG02-06CH11404 06/30/2009 Wamser	SC-23	Solar Photovoltaic Test Facility System	144
Total for OR :				7,351

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
ALVERNIA COLLEGE Reading, PA	DE-FG02-06CH11376 12/31/2006 Luvisi	SC-23	Science and Health Building	481
BUCKNELL UNIVERSITY Lewisburg, PA	DE-FG02-05CH11287 04/30/2006 Engle, Rosenberg	SC-23	Equipment Purchase for Materials Science Laboratory	0
CARNEGIE MELLON UNIVERSITY Pittsburgh, PA	DE-FG02-06ER64194 01/31/2007 Choset	SC-23.4	Design and Sensor-Based Control for Hyper-Redundant Mechanisms	60
CARNEGIE MELLON UNIVERSITY Pittsburgh, PA	DE-FG02-01ER45882 09/20/2005 Rollett	SC-22.22	Cooperative Research Team on Microstructural Evolution Based on Fundamental Interfacial Properties	0
CARNEGIE MELLON UNIVERSITY Pittsburgh, PA	DE-FG02-01ER45893 06/30/2011 De Graef	SC-22.21	Experimental Vector Field Electron Tomography of Magnetic Objects	74
CARNEGIE MELLON UNIVERSITY Pittsburgh, PA	DE-FG02-91ER40682 10/31/2009 Ferguson	SC-25	Research in Experimental and Theoretical High Energy Physics	1,432
CARNEGIE MELLON UNIVERSITY Pittsburgh, PA	DE-FC02-01ER25477 09/14/2006 Ghattas	SC-21.1	Terascale Optimal BDE Simulations (TOPS) Center	-287
CARNEGIE MELLON UNIVERSITY Pittsburgh, PA	DE-FG02-01ER25438 12/14/2010 Gurtin	SC-21.1	Continuum Mechanical and Computational Aspects of Material Behavior	69
CARNEGIE MELLON UNIVERSITY Pittsburgh, PA	DE-FG02-05ER15717 06/14/2008 Sholl	SC-22.12	Rapid Ab Initio Screening of Ternary Alloys for Hydrogen Production	100
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-FG02-87ER40315 11/30/2010 Franklin	SC-26.1	Experimental Medium Energy Physics	740
CARNEGIE MELLON UNIVERSITY Pittsburgh, PA	DE-FG02-87ER40324 12/31/2007 Kaplan	SC-26.1	Nuclear Research with Heavy Ions	23
CARNEGIE MELLON UNIVERSITY Pittsburgh, PA	DE-FG02-04ER25594 04/30/2005 Levine	SC-21.1	New Paradigms for Developing Peta-scalable Codes Workshop - May 3-4, 2004	0
CARNEGIE MELLON UNIVERSITY Pittsburgh, PA	DE-FG02-05ER25695 08/14/2008 Langmead	SC-21.1	Modeling Protein Structures with Conditional Random Fields	100
ITY SCIENCE CENTER, UNIVERSITY Philadelphia, PA	DE-FG02-06CH11406 11/30/2006 Phillips, Agulnick	SC-23	3624 Laboratory Construction and Fit-out Program	1,443

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
DREXEL UNIVERSITY Philadelphia, PA	DE-FG02-00ER41134 06/30/2009 Lane	SC-25	Neutrino Physics at KamLAND	95
FRANKLIN & MARSHALL COLLEGE Lancaster, PA	DE-FG02-06CH11405 08/01/2007 Orris	SC-23	Life Science Building	481
LEHIGH UNIVERSITY Bethlehem, PA	DE-FG02-00ER45819 11/30/2007 Eades	SC-22.21	Strain Measurement in Thin Films	120
LEHIGH UNIVERSITY Bethlehem, PA	DE-FG02-06ER46318 07/31/2009 Toulouse	SC-22.22	Multiscale Dynamics of Relaxor Ferroelectrics	135
LEHIGH UNIVERSITY Bethlehem, PA	DE-FG02-92ER54141 11/30/2009 Kritz	SC-24.2	Predicted Integrated Modeling of Heated Tokamak Plasmas	538
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-FG02-05ER25694 12/31/2007 Linderoth	SC-21.1	Optimization Under Nonconvexity and Uncertainty: Algorithms and Software	72
LEHIGH UNIVERSITY Bethlehem, PA	DE-FG02-93ER14350 06/14/2009 Wachs	SC-22.1	Photoxidation of H2O and C3 Hydrocarbons to H2 Fuel and C3-Oxygenates with Molecular Designed Heterogeneous Nano-Photocatalysts	180
LEHIGH UNIVERSITY Bethlehem, PA	DE-FG02-06CH11431 06/30/2008 Sause, Meischeid	SC-23	Lehigh University Critical Infrastructure Lab	385
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-03ER46063 01/31/2007 Schlom	SC-22.23	The Controlled Synthesis of Metastable Oxides Utilizing Epitaxy and Epitaxial Stabilization	115
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-02ER46009 02/28/2009 Castleman	SC-22.23	Establishing Concepts for the Use of Clusters as Building Blocks of New Nanoscale Materials	175
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-01ER45912 08/14/2009 Larson	SC-22.21	10-100 ueV Multichopper Spectrometer	1,041
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-93ER40771 12/31/2010 Strikman	SC-26.1	Theoretical Studies in High Energy Nuclear Physics	113
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	84
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	175

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-90ER61071 10/31/2009 Clothiaux	SC-23.3	Retrieval of Cloud Properties and Direct Testing of Cloud and Radiation Parameterizations Using ARM Observations	142
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-02ER25535 08/14/2006 Maranas	SC-21.1	Multiscale Modeling of Polymeric Materials	0
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	406
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-90ER40577 12/31/2011 Collins	SC-25	Theoretical Studies in Elementary Particle Physics	130
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	176
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-06ER15772 03/31/2009 Grimes	SC-22.13	Broad Spectrum Photoelectrochemical Diodes for Solar Hydrogen Generation	160
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-05ER15749 05/31/2009 Mallouk	SC-22.13	Photoelectrochemistry of Semiconductor Nanowire Arrays	220
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-05ER15756 05/31/2009 Barber	SC-22.13	Dye-Sensitized Tandem Photovoltaic Cells	135
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-06ER15803 06/30/2009 Winograd	SC-22.12	Chemical Imaging With Cluster Ion Beams and Lasers	163
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-91ER20050 05/31/2008 Cyr	SC-22.13	Producing Conditional Mutants for Studying Plant Microtubule Function	120
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	120
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-93ER20117 06/30/2008 Brenchley	SC-22.13	The Characterization of Psychrophilic Microorganisms and Their Potentially Useful Cold-Active Glycosidases	120
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-94ER20137 03/31/2012 Bryant	SC-22.13	Light Energy Transduction in Green Sulfur Bacteria	140
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	115
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-02ER15332 08/31/2011 Ma	SC-22.13	Analysis of Anther Cell Differentiation	120

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-01ER15238 10/31/2006 Macdonald	SC-22.1	The Fundamental Role of Nano-Scale Oxide Films in the Oxidation of Hydrogen and the Reduction of Oxygen on Noble Metal	50
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-87ER13690 03/14/2009 Tien	SC-22.13	Transcriptome and biochemical analyses of fungal degradation of wood	125
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-84ER13179 04/30/2011 Cosgrove	SC-22.13	Molecular Mechanisms of Plant Cell Wall Loosening	130
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-84ER13295 11/30/2009 Sen	SC-22.1	Transition Metal Mediated Transformations of Small Molecules	120
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-92ER14258 04/30/2010 Castleman	SC-22.11	Elucidating the Molecular Level Mechanisms of Oxidation Reactions Effected by Heterogeneous Catalysts	140
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-04ER63914 08/31/2008 Burgos	SC-23.4	Reaction-Based Reactive Transport Modeling of Fe(III) and U(V) Reduction	224
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-05ER63966 02/14/2009 Grutzeck	SC-23.4	Physical, Chemical and Structural Evolution of Zeolite - Containing Waste Forms Produced from Metakaolinite and	197
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-04ER63773 03/31/2008 Ivanova	SC-23.3	Scaling Models of the Internal Variability of Clouds	90
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-05ER64058 05/31/2011 Verlinde, Harrington	SC-23.3	North Slope Site Scientist Team	299
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-05ER64002 12/15/2007 Macdonald	SC-23.4	Development of Advanced Electrochemical Emission Spectroscopy for Monitoring Corrosion in Simulated DOE Liquid Waste	244
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-06ER64191 01/31/2009 Mueller	SC-23.4	Coupling Sorption to Soil Weathering During Reactive Transport: Impacts of Mineral Transformation and Sorbate Aging	207
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FC02-06ER64157 11/30/2010 Davis	SC-23.3	Northeastern Regional Center of the National Institute for Climatic Change Research	1,967
PENNSYLVANIA STATE UNIVERSITY University Park, PA	DE-FG02-06ER64315 08/31/2009 Davis	SC-23.3	Synthesis of Carbon Dioxide Flux and Mixing Ratio Measurements in Support of the North American Carbon Program	206
PENNSYLVANIA, UNIVERSITY OF Philadelphia, PA	DE-FG02-03ER63589 12/14/2006 Kung	SC-23.2	Development of Tc-99m Imaging Agents for Abeta Plaques	0
PENNSYLVANIA, UNIVERSITY OF Philadelphia, PA	DE-FG02-85ER13350 03/31/2009 Gorte	SC-22.1	Studies of Metal-Oxide and Oxide-Oxide Interactions in Ceria-Based Catalysis	170

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
PENNSYLVANIA, UNIVERSITY OF Philadelphia, PA	DE-FG02-86ER13615 08/31/2008 Wayland	SC-22.12	Catalytic Hydrogenation of Carbon Monoxide and Hyrdocarbon Oxidations	130
PENNSYLVANIA, UNIVERSITY OF Philadelphia, PA	DE-FG02-86ER13584 12/31/2006 Dai	SC-22.1	Spectroscopy, Structure, and Energy Transfer of Highly Excited Molecules and Transient Radicals	60
PENNSYLVANIA, UNIVERSITY OF Philadelphia, PA	DE-FG02-02ER15299 11/30/2008 Therien	SC-22.1	Fundamental Studies of Charge Migration and Delocalization Relevant to Solar Energy Conversion	140
PENNSYLVANIA, UNIVERSITY OF Philadelphia, PA	DE-FG02-01ER15169 07/31/2008 Pohlschroder	SC-22.13	Protein Translocation via the Haloarchaeal Twin Arginine Translocation Pathway	120
PENNSYLVANIA, UNIVERSITY OF Philadelphia, PA	DE-FG02-02ER15373 11/14/2006 Sneddon	SC-22.1	Inorganometallic Catalysis: New Metal Catalyzed Routes to Inorganic Molecules, Polymers and Solid-State Materials	75
PENNSYLVANIA, UNIVERSITY OF Philadelphia, PA	DE-FG02-99ER20328 08/31/2009 Poethig	SC-22.13	Genetic regulation of adaxial-abaxial polarity in Arabidopsis	120
PENNSYLVANIA, UNIVERSITY OF Philadelphia, PA	DE-FG02-91ER20052 04/30/2011 Daldal	SC-22.13	Membrane-Attached Electron Carriers in Photosynthesis and Respiration	130
PENNSYLVANIA, UNIVERSITY OF Philadelphia, PA	DE-FG02-91ER20055 08/31/2009 Rea	SC-22.13	Mechanistic basis of phytochelatin transport	130
PENNSYLVANIA, UNIVERSITY OF Philadelphia, PA	DE-FG02-05ER15721 06/30/2011 Gorte	SC-22.12	The Development of Nano-Composite Electrodes for Natural Gas-Assisted Steam Electrolysis for Hydrogen Production	325
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	125
PENNSYLVANIA, UNIVERSITY OF Philadelphia, PA	DE-FG02-88ER40479 12/31/2008 Beier	SC-26.1	Sudbury Neutrino Observatory	1,032
PENNSYLVANIA, UNIVERSITY OF Philadelphia, PA	DE-FG02-04ER25646 09/14/2008 Biros	SC-21.1	Parallel Algorithms for Control and Inverse Problems in Reaction-Diffusion Systems	100
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	200
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	680

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
PENNSYLVANIA, UNIVERSITY OF Philadelphia, PA	DE-FG02-04ER46110 08/31/2007 Ponte-Castenada	SC-22.22	Multiscale Modeling of Nanostructured Triblock Copolymers	88
PENNSYLVANIA, UNIVERSITY OF Philadelphia, PA	DE-FG02-95ER40893 10/31/2011 Williams	SC-25	High Energy Physics Research	3,317
PENNSYLVANIA, UNIVERSITY OF Philadelphia, PA	DE-FG02-00ER45813 05/31/2011 Bonnell	SC-22.21	Local Electronic and Dielectric Properties at Nanosized Interfaces	120
PENNSYLVANIA, UNIVERSITY OF Philadelphia, PA	DE-FG02-98ER45701 12/31/2008 Fischer	SC-22.21	Carbon Nanotubes: Properties and Applications	229
PENNSYLVANIA, UNIVERSITY OF Philadelphia, PA	DE-FG02-98ER45702 06/30/2010 Vitek	SC-22.21	Multiscale Modeling of Dislocation Behavior in Non-Magnetic Transition Metals and Ferromagnetic Iron	134
PENNSYLVANIA, UNIVERSITY OF Philadelphia, PA	DE-FG02-84ER45118 01/31/2012 Mele	SC-22.22	Electronic and Piezoelectric Phenomena in Nanostructures	105
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	65
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	106
PITTSBURGH, UNIVERSITY OF Pittsburgh, PA	DE-FG02-90ER45438 11/30/2011 Balazs	SC-22.23	Designing Colonies of Communicating Microcapsules that Exhibit Collective Behavior	114
PITTSBURGH, UNIVERSITY OF Pittsburgh, PA	DE-FG02-01ER45919 08/31/2007 Yang	SC-22.21	Multiscale Anomistic Simulations of Metal-Oxygen Surface Interactions: Methodological Development, Theoretical Investigation, and Correlation with	135
PITTSBURGH, UNIVERSITY OF Pittsburgh, PA	DE-FG02-02ER45998 11/14/2011 Balazs	SC-22.23	Theoretical Modeling, Synthesis and Characterization of Self-Healing Coatings	358
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-FG02-05ER46233 08/31/2009 Veser	SC-22.23	Multiscale Tailoring of Highly Active and Stable Nanocomposite Catalysts	100
PITTSBURGH, UNIVERSITY OF Pittsburgh, PA	DE-FG02-04ER25618 02/28/2011 Yotov	SC-21.1	Modeling and Simulation of Coupled Complex Multiscale Subsurface Phenomena	70
PITTSBURGH, UNIVERSITY OF Pittsburgh, PA	DE-FG02-91ER40646 10/31/2011 Shepard	SC-25	Experimental Particle Physics	760

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
PITTSBURGH, UNIVERSITY OF Pittsburgh, PA	DE-FG02-03ER15434 04/14/2008 Petek	SC-22.11	Optical Manipulation of Ultrafast Electron and Nuclear Motion on Metal Surfaces	135
PITTSBURGH, UNIVERSITY OF Pittsburgh, PA	DE-FG02-00ER15066 06/30/2009 Jordan	SC-22.11	Understanding the Electron-Water Interaction at the Molecular Level: Integrating Theory and Experiment in the	100
PITTSBURGH, UNIVERSITY OF Pittsburgh, PA	DE-FG02-88ER13864 02/14/2007 Yates	SC-22.1	Surface Bonding of Molecules, Their Reactions and Confinement Effects in the Chemisorbed Layer	0
PITTSBURGH, UNIVERSITY OF Pittsburgh, PA	DE-FG02-03ER63590 12/14/2006 Mathis	SC-23.2	Development of [F-18]-Labeled Amyloid Imaging Agents for PET	0
SAINT JOSEPH'S UNIVERSITY Philadelphia, PA	DE-FG02-06CH11432 08/31/2008 DeVito, Wachterhauser	SC-23	Installation and Replacement of Fume Hoods in Saint Joseph's University Science Center in the Department of Chemistry	722
SWARTHMORE COLLEGE Swarthmore, PA	DE-FG02-00ER54604 11/30/2009 Brown	SC-24.2	Novel CT's Equilibrium, Stability, and Dynamics	171
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	172
TEMPLE UNIVERSITY Philadelphia, PA	DE-FG02-05ER15638 12/31/2007 Borguet	SC-22.12	Real Time Dynamics of Laser Activated Interface Processes at the Molecular Scale	121
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	90
TEMPLE UNIVERSITY Philadelphia, PA	DE-FG02-94ER40844 03/31/2009 Meziani	SC-26.1	Nuclear Research Using the Electromagnetic Probe	253
TEMPLE UNIVERSITY Philadelphia, PA	DE-FG02-01ER45872 01/31/2009 Riseborough	SC-22.22	Strongly Correlated Electron Systems	73
THOMAS JEFFERSON UNIVERSITY Philadelphia, PA	DE-FG02-00ER63055 12/14/2006 Wickstrom	SC-23.2	Oncogene mRNA Imaging with Radionuclide-PNA-Peptides	0
THOMAS JEFFERSON UNIVERSITY Philadelphia, PA	DE-FG02-05ER64084 06/30/2009 Wang	SC-23.2	Characterization of the Role of Fhit in Maintenance of Genomic Integrity Following Low Dose Radiation, In Vivo and In Vitro	333
WASHINGTON & JEFFERSON COLLEGE Washington, PA	DE-FG02-06CH11420 12/31/2007 Carson, Barger	SC-23	Architectural Planning and Design for the Construction of a New Science Facility	385

Total for PA :

26,936

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
PUERTO RICO, UNIVERSITY OF Mayaguez, PR	DE-FG02-04ER63738 12/31/2006 Massol	SC-23.3	Molecular Approaches to Understanding C&N Dynamics in Marine Sediments	76
PUERTO RICO, UNIVERSITY OF Mayaguez, PR	DE-FG02-97ER41045 05/31/2010 Lopez	SC-25	UPR/Mayaguez High Energy Physics	175
PUERTO RICO, UNIVERSITY OF San Juan, PR	DE-FG02-99ER45796 09/14/2003 Morell	SC-22.22	Studies of the Growth and Doping of Diamond Thin Films	-5
PUERTO RICO, UNIVERSITY OF San Juan, PR	DE-FG02-01ER45863 10/31/2003 Lopez	SC-22.22	Heavy Quark Physics	-65
PUERTO RICO, UNIVERSITY OF San Juan, PR	DE-FG02-01ER45868 08/31/2008 Katiyar	SC-22.21	Novel Energy Sources - Material Architecture and Charge Transport in Solid State Ionic Devices	400
Total for PR :				581

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
BROWN UNIVERSITY Providence, RI	DE-FG02-02CH11127 12/01/2006 Shank, Quinn	SC-23	Life Sciences Building	0
BROWN UNIVERSITY Providence, RI	DE-FG02-06CH11421 09/29/2008 Sanes	SC-23	Equipping and Constructing an MRI Facility	962
BROWN UNIVERSITY Providence, RI	DE-FG02-84ER13235 04/14/2009 Diebold	SC-22.12	Photoacoustic and Thermal Effects in Particulate Suspensions	100
BROWN UNIVERSITY Providence, RI	DE-FG02-03ER15413 02/28/2008 Rose-Petruck	SC-22.1	Development and Characterization of Replicable Tabletop Ultrashort Pulse X-ray Sources for Chemical Dynamics Research	0
BROWN UNIVERSITY Providence, RI	DE-FG02-03ER15452 10/31/2009 Weber	SC-22.11	Probing Chemical Dynamics by Structurally Sensitive Photoionization	109
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	146
BROWN UNIVERSITY Providence, RI	DE-FG02-03ER25582 03/31/2008 van Dam	SC-21.1	Application Driven Research, Development, and Evaluation of Interactive Scientific Visualization Techniques in Multiple	0
BROWN UNIVERSITY Providence, RI	DE-FG02-91ER40688 10/31/2009 Cutts	SC-25	A Research Program in Theoretical and Experimental High Energy Physics	1,707
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-FG02-04ER63942 03/14/2009 Lawrence	SC-23.2	Development of Bioinformatics and Experimental Technologies for Identification of Prokaryotic Regulatory Networks	494
Total for RI :				3,642

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
CLEMSON UNIVERSITY Clemson, SC	DE-FG02-04ER46139 08/14/2010 Tritt	SC-22.21	The Next Generation Solid State Power Conversion Materials	439
CLEMSON UNIVERSITY Clemson, SC	DE-FG02-06ER46342 08/14/2010 Chumanov	SC-22.23	Asymmetric Hybrid Nanoparticles (AHNs)	157
CLEMSON UNIVERSITY Clemson, SC	DE-FG07-99ER62888 09/14/2005 DeVol	SC-23.4	Radionuclide Sensors for Water Monitoring	0
CLEMSON UNIVERSITY Clemson, SC	DE-FG02-03ER46031 09/30/2006 Daw	SC-22.23	LDA Calculations of Dislocation Mobility in Fe and Mo	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-FG02-05ER63971 12/14/2007 DeVol	SC-23.4	Radioanalytical Chemistry for Automated Nuclear Waste Process Monitoring	130
AROLINA, MEDICAL UNIVERSITY OF Charleston, SC	DE-FG02-06ER64267 06/30/2009 Mintzer	SC-23.2	Infrastructure for a State-Wide Research Network for Alzheimer's Disease	481
AROLINA, MEDICAL UNIVERSITY OF Charleston, SC	DE-FG02-02ER63385 04/30/2008 Lacy	SC-23.2	Nuclear Magnetic Resonance Project at the Medical University of South Carolina	0
SOUTH CAROLINA, UNIVERSITY OF Columbia, SC	DE-FG02-04ER63840 12/31/2006 Temples	SC-23.2	Uranium Anomalies in Domestic Water Wells of the Coastal Plain	0
SOUTH CAROLINA, UNIVERSITY OF Columbia, SC	DE-FG02-06ER64210 02/28/2009 Shafer	SC-23.4	Integrated Hydrogeophysical and Hydrogeologic Driven Parameter Upscaling for Dual-Domain Transport Modeling	214
SOUTH CAROLINA, UNIVERSITY OF Columbia, SC	DE-FG02-04ER15515 05/31/2008 Wilson	SC-22.12	Understanding Long-Term Solute Transport in Sedimentary Basins: Simulating Brine Migration in the Alberta Basin, Canada	54
SOUTH CAROLINA, UNIVERSITY OF Columbia, SC	DE-FG02-00ER14980 06/14/2008 Adams, Amiridis	SC-22.12	Studies of Multimetallic Clusters and Multimetallic Nanoparticles for Catalysis	200
SOUTH CAROLINA, UNIVERSITY OF Columbia, SC	DE-FG02-98ER20312 08/31/2009 Krizek	SC-22.13	Regulatory Role of AINTEGUMENTA in Organ Initiation and Growth	112
SOUTH CAROLINA, UNIVERSITY OF Columbia, SC	DE-FG02-04ER25608 08/14/2006 Buell	SC-21.1	Ultra-Scale Memory Analysis for High-End Computing	105
SOUTH CAROLINA, UNIVERSITY OF Columbia, SC	DE-FG02-95ER40910 05/31/2010 Rosenfeld, Purohit	SC-25	Experimental Particle Physics	552

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
SOUTH CAROLINA, UNIVERSITY OF Columbia, SC	DE-FG02-03ER46043 05/14/2008 Gudkov	SC-22.21	Fundamental Problems of Neutron Physics at the Spallation Neutron Source at the ORNL	0
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	83
SOUTH CAROLINA, UNIVERSITY OF Columbia, SC	DE-FG02-06ER46270 12/31/2008 Knight	SC-22.21	Analysis and Development of a Robust Fuel for Gas-Cooled Fast Reactors	150
SOUTH CAROLINA, UNIVERSITY OF Columbia, SC	DE-FG02-04ER46122 01/31/2007 zur Loye	SC-22.23	Structural Investigations of Complex Oxides Using Synchrotron Radiation	149
Total for SC :				3,076

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
SOUTH DAKOTA SCHOOL OF MINES Rapid City, SD	DE-FG02-04ER46117 01/31/2008 Kellar	SC-22.21	Interphase Analysis and Control in Fiber Reinforced Thermoplastic Composites	150
SOUTH DAKOTA STATE UNIVERSITY Brookings, SD	DE-FG02-06CH11410 12/31/2009 Erpenbach	SC-23	Thomas Daschle Center	962
			Total for SD :	1,112

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
MIDDLE TENNESSEE STATE UNIV. Murfreesboro, TN	DE-FG02-86ER40293 07/31/2008 Carlton	SC-26.1	Nuclear Astrophysics and Neutron Cross Section Measurements	30
TENNESSEE STATE UNIVERSITY Nashville, TN	DE-FG02-04CH11216 05/31/2007 Keith, Shute	SC-23	Life Sciences Facility Renovations	0
TENNESSEE TECH. UNIVERSITY Cookeville, TN	DE-FG02-04ER25649 09/14/2008 Le Borne	SC-21.1	Theory and Application of Hierarchical Matrices in Multiscales Problems	97
TENNESSEE TECH. UNIVERSITY Cookeville, TN	DE-FG02-89ER40530 03/31/2010 Ayik	SC-26.1	Studies of Fluctuation Processes in Nuclear Collisions	0
TENNESSEE TECH. UNIVERSITY Cookeville, TN	DE-FG02-06ER25742 08/14/2007 Ghani	SC-21.1	Hybrid Multi-Layer Network Control for Emerging Cyber-Infrastructures	175
TENNESSEE TECH. UNIVERSITY Cookeville, TN	DE-FG02-96ER40955 02/28/2011 Kozub	SC-26.1	Nuclear Physics with Radioactive Ion Beams	45
TENNESSEE TECH. UNIVERSITY Cookeville, TN	DE-FG02-96ER40990 05/31/2009 Shriner	SC-26.1	Proton Resonance Spectroscopy	42
TENNESSEE, UNIVERSITY OF Chattanooga, TN	DE-FG02-04ER63888 08/31/2007 Whitfield	SC-23.2	The University of Tennessee Climate Change Research Initiative	0
TENNESSEE, UNIVERSITY OF Knoxville, TN	DE-FG02-04ER63895 08/14/2007 Kabalka	SC-23.2	New Radiotracers for Targeting Mutated Raf Protein for the Early Detection of Lung Cancer	0
TENNESSEE, UNIVERSITY OF Knoxville, TN	DE-FG02-04ER63939 03/31/2008 Baldwin	SC-23.4	In Situ Community Control of the Stability of Bioreduced Uranium	176
TENNESSEE, UNIVERSITY OF Knoxville, TN	DE-FG02-05ER63951 05/31/2008 Pfiffner	SC-23.4	An Integrated Assessment of Geochemical and Community Structure Determinants of Metal Reduction Rates in Subsurface Sediments	81
TENNESSEE, UNIVERSITY OF Knoxville, TN	DE-FG07-02ER63496 09/14/2005 McCarthy	SC-23.4	Colloid-Facilitated Transport of Radionuclides Through the Vadose Zone	0
TENNESSEE, UNIVERSITY OF Knoxville, TN	DE-FG02-02ER63366 10/31/2009 Classen	SC-23.3	Community and Ecosystem Response to Global Change: Interactive Effects of Atmospheric Carbon Dioxide, Surface Temperatures, and Soil Moisture	187
TENNESSEE, UNIVERSITY OF Knoxville, TN	DE-FG02-96ER40963 02/14/2011 Nazarewicz	SC-26.1	Theoretical Nuclear Structure	144
TENNESSEE, UNIVERSITY OF Knoxville, TN	DE-FG02-96ER40982 05/31/2011 Sorensen	SC-26.1	Studies of Hot and Dense Nuclear Matter	233

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
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	275
TENNESSEE, UNIVERSITY OF Knoxville, TN	DE-FG02-03ER41283 08/31/2007 Bugg	SC-25	Undulator-Based Production of Polarized Positrons at SLAC Final Focus Test Beam Facility (LCRD 2.37)	0
TENNESSEE, UNIVERSITY OF Knoxville, TN	DE-FG02-03ER41258 04/30/2009 Greene	SC-26.1	Experimental Weak Interactions with Pulsed and Continuous Cold Neutrons	180
TENNESSEE, UNIVERSITY OF Knoxville, TN	DE-FG02-01ER45885 07/31/2009 Musfeldt	SC-22.22	Spectroscopic Investigations of Complex Magnetic and Electronic Materials	107
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	100
TENNESSEE, UNIVERSITY OF Knoxville, TN	DE-FG02-06ER41407 03/31/2009 Dean	SC-26.1	JUSTIPEN: Japan US Theory Institute for Physics with Exotic Nuclei	50
TENNESSEE, UNIVERSITY OF Knoxville, TN	DE-FC02-06ER54858 01/14/2009 Beck	SC-24.2	SciDAC - Center for Plasma Edge Simulation	55
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	313
TENNESSEE, UNIVERSITY OF Knoxville, TN	DE-FG02-05ER46182 05/31/2007 Kihm	SC-22.23	Fundamentals of Energy Transport in Nanofluids	38
TENNESSEE, UNIVERSITY OF Knoxville, TN	DE-FG02-05ER46183 06/30/2008 Callcott	SC-22.21	New Methods and Instrumentation for the Study of Complex Magnetic Materials and Nanostructures Using Soft X-Ray Spectroscopies	155
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	150
TENNESSEE, UNIVERSITY OF Knoxville, TN	DE-FG02-05ER46209 06/14/2008 Zhang	SC-22.22	Transport and Collective Properties of Magnetic Semiconductor Multi layers and Nano Structures	35
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	327
TENNESSEE, UNIVERSITY OF Knoxville, TN	DE-FC02-06ER25748 09/14/2011 Dongarra	SC-21.1	Coordinated Fault Tolerance for High Performance Computing	400
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

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
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-FG02-91ER40627 03/31/2010 Kamyshkov	SC-25	Elementary Particle Interactions	510
TENNESSEE, UNIVERSITY OF Knoxville, TN	DE-FG02-04ER25651 09/14/2008 Beck	SC-21.1	Center for Gyrokinetic Particle Simulation of Turbulent Transport in Burning Plasmas	39
TENNESSEE, UNIVERSITY OF Knoxville, TN	DE-FG02-06ER25728 07/31/2009 Bosilca	SC-21.1	The Harness Workbench: Unified and Adaptive Access to Diverse HPC Platforms	163
TENNESSEE, UNIVERSITY OF Knoxville, TN	DE-FG02-05ER25717 08/31/2009 Parang, Davis	SC-21.1	Pipline Engineering Diversity Program	435
TENNESSEE, UNIVERSITY OF Knoxville, TN	DE-FG02-04ER25610 05/14/2008 Huang	SC-21.1	Transfer Function Design for Scientific Discovery	116
TENNESSEE, UNIVERSITY OF Knoxville, TN	DE-FG02-04ER25607 08/14/2007 Elhanany	SC-21.1	Design and Analysis of a Dynamic DWDM-based Multi- Terabit/sec Packet Switching Fabric	98
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,	275
TENNESSEE, UNIVERSITY OF Knoxville, TN	DE-FG02-96ER20223 07/14/2009 von Arnim	SC-22.13	Translational Control by the Initiation Factor eIF3 During Arabidopsis Growth and Development	130
TENNESSEE, UNIVERSITY OF Knoxville, TN	DE-FG02-88ER13859 07/14/2009 Guiochon	SC-22.1	Separation of Highly Complex Mixtures by Two-Dimension Liquid Chromatography	100
TENNESSEE, UNIVERSITY OF Knoxville, TN	DE-FG02-02ER15331 07/31/2007 Sepaniak	SC-22.1	Nanostructured Materials as Transducers in Micro-Fluidic Platforms for Multifarious Chemical Analysis	0
TENNESSEE, UNIVERSITY OF Knoxville, TN	DE-FG02-01ER15259 10/31/2010 Barnes	SC-22.1	Nanostructured Metal Oxide Catalysts via Building Block Syntheses	125
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
VANDERBILT UNIVERSITY Nashville, TN	DE-FG02-88ER40407 12/31/2009 Hamilton, Ramayya	SC-26.1	Experimental Nuclear Physics	306
VANDERBILT UNIVERSITY Nashville, TN	DE-FG02-85ER40226 05/31/2011 Weiler, Kephart	SC-25	Theoretical Investigations in Elementary Particle Physics	196

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
VANDERBILT UNIVERSITY Nashville, TN	DE-FG02-06ER15818 07/06/2007 McCabe	SC-22.12	Support for Young Worker Participation at the Foundations of Molecular Modeling and Simulation (FOMMS) 2006 Conference - July	10
VANDERBILT UNIVERSITY Nashville, TN	DE-FG02-03ER15385 02/14/2008 Cummings	SC-22.1	Molecular Modeling and Simulation of Water and Aqueous Electrolyte Systems	100
VANDERBILT UNIVERSITY Nashville, TN	DE-FG02-04ER41333 08/14/2009 Velkovska	SC-26.1	Multi-Gap Resistive Plate Chambers as a Time-of-Flight System for PHENIX	60
VANDERBILT UNIVERSITY Nashville, TN	DE-FG02-92ER40712 02/28/2010 Maguire	SC-26.1	Relativistic Heavy Ion Experimental Physics	470
VANDERBILT UNIVERSITY Nashville, TN	DE-FG02-96ER40975 05/31/2010 Oberacker, Ernst, Umar	SC-26.1	Microscopic Heavy-Ion Theory	117
VANDERBILT UNIVERSITY Nashville, TN	DE-FC02-06ER41447 03/14/2011 Bapty	SC-25	National Computational Infrastructure for Lattice Gauge Theory	36
VANDERBILT UNIVERSITY Nashville, TN	DE-FG02-99ER45781 10/31/2010 Tolk	SC-22.22	Hydrogen-Bond Specific Materials Modifications in Group IV Semiconductors	200
VANDERBILT UNIVERSITY Nashville, TN	DE-FG02-03ER46096 11/14/2008 Cummings, Pantelides	SC-22.22	Integrated Multiscale Modeling of Molecular Computing Devices	295
VANDERBILT UNIVERSITY Nashville, TN	DE-FG02-02ER45957 11/30/2009 Rosenthal	SC-22.22	Nanocrystal Research for Energy Efficient and Clean Energy Technologies	150
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	198
VANDERBILT UNIVERSITY Nashville, TN	DE-FG02-05ER46239 08/31/2011 Jennings	SC-22.23	Surface-Directed Fabrication of Integrated Membrane-Electrode Interfaces	100
Total for TN :				8,084

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
ABILENE CHRISTIAN UNIVERSITY Abilene, TX	DE-FG02-03ER41243 05/14/2009 Sadler, Isenhower	SC-26.1	The Structure of the Nucleon and Its Excited States	165
BAYLOR UNIVERSITY Waco, TX	DE-FG02-06ER64253 05/31/2009 Doyle	SC-23.2	Lake Whitney Comprehensive Assessment, Phase 1B	481
BAYLOR UNIVERSITY Waco, TX	DE-FG02-05ER41399 05/31/2011 Dittmann	SC-25	Elementary Particle Physics at Baylor	117
HOUSTON, UNIVERSITY OF Houston, TX	DE-FG02-05CH11272 02/28/2007 Pettitt	SC-23	Installation of a Clean Room and Purchase of Lab Equipment	0
HOUSTON, UNIVERSITY OF Houston, TX	DE-FC02-06ER25759 09/14/2011 Chapman	SC-21.1	Center for Programming Models for Scalable Parallel Computing	400
HOUSTON, UNIVERSITY OF Houston, TX	DE-FG02-04ER25645 09/14/2008 Timofeyev	SC-21.1	Numerical Strategies for Reduced Dynamics for Models of Geophysical Flows	50
HOUSTON, UNIVERSITY OF Houston, TX	DE-FC02-01ER25502 09/14/2007 Chapman	SC-21.1	Center for Programming Models for Scalable Parallel Computing	0
HOUSTON, UNIVERSITY OF Houston, TX	DE-FG02-03ER25575 09/14/2007 Keyfitz	SC-21.1	Multidimensional Conservation Laws and Low Regularity Solutions	0
HOUSTON, UNIVERSITY OF Houston, TX	DE-FG02-94ER40836 12/31/2008 Hungerford	SC-26.1	The Investigation of Selected Experimental Problems at Intermediate Energies	325
HOUSTON, UNIVERSITY OF Houston, TX	DE-FG02-03ER46078 08/14/2007 Reiter	SC-22.21	Neutron Compton Scattering as a Probe of Hydrogen Bonded (and other) Systems	0
HOUSTON, UNIVERSITY OF Houston, TX	DE-FG02-04ER46160 07/31/2008 Moss	SC-22.21	Diffraction Studies of Glasses, Liquids, and Nanoclusters	65
HOUSTON, UNIVERSITY OF Houston, TX	DE-FG02-03ER54713 08/14/2009 Donnelly	SC-24.2	Spatially Resolved Diagnostics and Modeling of Microhollow Discharges	150
NORTH TEXAS, UNIVERSITY OF Denton, TX	DE-FG02-06ER54883 07/14/2009 Ordonez	SC-24.2	Experimental and Theoretical Study of the Plasma Physics of Antihydrogen Generation and Trapping	41
NORTH TEXAS, UNIVERSITY OF Denton, TX	DE-FG02-06ER46312 08/31/2009 Krokhin	SC-22.22	Effective Medium Theory for Periodic Composites	100
NORTH TEXAS, UNIVERSITY OF Denton, TX	DE-FG02-04ER15508 12/31/2009 Bagus	SC-22.12	The Influence of Mineral Surfaces on Multi-Election Reduction Mechanisms for Polyvalent Metals	34

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
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	85
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	120
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	198
PRAIRIE VIEW A&M RES FOUND Prairie View, TX	DE-FG02-04ER54777 12/14/2011 Huang	SC-24.2	Study of Rotamak Plasmas	267
RICE UNIVERSITY, WILLIAM MARSH Houston, TX	DE-FG02-03ER63662 12/14/2010 Levander, Zelt	SC-23.4	3-D Seismic Experimentation and Advanced Processing/Inversion Development for Investigations of the Shallow Subsurface	149
RICE UNIVERSITY, WILLIAM MARSH Houston, TX	DE-FG02-97ER41031 04/30/2011 Roberts, Corcoran, Padley	SC-25	High Energy Physics	518
RICE UNIVERSITY, WILLIAM MARSH Houston, TX	DE-FG02-93ER40772 12/31/2010 Bonner	SC-26.1	Nuclear Structure at Intermediate Energies	472
RICE UNIVERSITY, WILLIAM MARSH Houston, TX	DE-FG02-06ER46337 08/14/2009 Natelson	SC-22.22	Electronic and Magnetic Properties of Individual Fe3O4 Nanoparticles	185
RICE UNIVERSITY, WILLIAM MARSH Houston, TX	DE-FG02-06ER46308 07/31/2009 Kono	SC-22.22	Spectroscopy of Degenerate One-Dimensional Electrons in Carbon Nanotubes	100
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	125
RICE UNIVERSITY, WILLIAM MARSH Houston, TX	DE-FG02-05ER25693 08/14/2006 Hyde	SC-21.1	Efficient and Accurate Numerical Algorithms for Wave Propagation Through Large, Complex Inhomogeneous Media	-99
RICE UNIVERSITY, WILLIAM MARSH Houston, TX	DE-FG02-06ER25734 08/14/2009 Nakhleh	SC-21.1	Tools for Accurate and Efficient Analysis of Complex Evolutionary Mechanisms in Microbial Genomes	100
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-FC02-06ER25754 09/14/2011 Mellor-Crummey	SC-21.1	Center for Programming Models for Scalable Parallel Computing	400
RICE UNIVERSITY, WILLIAM MARSH Houston, TX	DE-FG02-03ER15394 06/14/2008 Braam	SC-22.13	Genetic Analysis of the Regulation of TCH Gene Expression	50

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RICE UNIVERSITY, WILLIAM MARSH Houston, TX	DE-FG02-03ER15456 09/14/2009 Deem	SC-22.12	Towards Rational, Nanoscale Control of Catalysis: A Fundamental Study of Zeolite Nucleation Kinetics	150
RICE UNIVERSITY, WILLIAM MARSH Houston, TX	DE-FG02-01ER15232 05/31/2007 Scuseria	SC-22.1	Linear Scaling Electronic Structure Methods with Periodic Boundary Conditions	105
SOUTHERN METHODIST UNIVERSITY Dallas, TX	DE-FG02-04ER41299 02/14/2010 Stroynowski	SC-25	High Energy Physics	632
TEXAS A&M RESEARCH FOUNDATION College Station, TX	DE-FG02-01ER15247 10/31/2005 Crooks	SC-22.1	A Fundamental Study of Transport Within a Single Nanoscopic Channel	0
TEXAS A&M RESEARCH FOUNDATION College Station, TX	DE-FG02-03ER15420 11/14/2009 Clearfield	SC-22.1	The Synthesis, Structures, and Chemical Properties of Macrocyclic Ligands Covalently Bonded into Layered Arrays	0
TEXAS A&M RESEARCH FOUNDATION College Station, TX	DE-FG02-04ER15520 03/31/2010 Russell	SC-22.12	Nanoparticle Laser Desorption Ionization and IM-MS Applied Structural Mass Spectrometry	120
TEXAS A&M RESEARCH FOUNDATION College Station, TX	DE-FG02-04ER15557 08/14/2008 Golden	SC-22.13	Regulation of Development and Nitrogen Fixation in Anabaena	120
TEXAS A&M RESEARCH FOUNDATION College Station, TX	DE-FG02-04ER15558 06/30/2008 Golden	SC-22.13	Global functional analysis of the genome of Synechococcus elongatus PCC 7942	120
TEXAS A&M RESEARCH FOUNDATION College Station, TX	DE-FG02-95ER14511 12/31/2010 Goodman	SC-22.1	The Physical and Chemical Properties of Nanostructured Mixed-Metal Catalysts	210
TEXAS A&M RESEARCH FOUNDATION College Station, TX	DE-FG02-06ER25727 03/31/2009 Efendiev	SC-21.1	Multiscale Analysis and Computation for Flows in Heterogeneous Media	28
TEXAS A&M RESEARCH FOUNDATION College Station, TX	DE-FG02-05ER25669 04/14/2009 Efendiev	SC-21.1	Multiscale Modeling and Simulation of Flow in Heterogeneous Porous Media and Their Applications	63
TEXAS A&M RESEARCH FOUNDATION College Station, TX	DE-FG02-06ER46278 03/14/2009 Pokrovsky	SC-22.22	Theory of Magnetic Heterostructures on the Nanometer Scale	139
TEXAS A&M RESEARCH FOUNDATION College Station, TX	DE-FG02-02ER45999 09/14/2011 Dunbar	SC-22.23	Molecular Magnets Based on a Modular Approach: Investigation of Coupling, Anisotropy and Electronic Factors on Bistability	225
TEXAS A&M RESEARCH FOUNDATION College Station, TX	DE-FG02-04ER41341 02/14/2009 Tribble	SC-26.2	Extending the Capabilities of the Texas A&M University Cyclotron Institute to Include Reaccelerated Radioactive Beams	300
TEXAS A&M RESEARCH FOUNDATION College Station, TX	DE-FG02-06ER41405 11/30/2009 McIntyre	SC-25	New Technology for Future Colliders	610

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TEXAS A&M RESEARCH FOUNDATION College Station, TX	DE-FG02-95ER40917 04/30/2010 Webb, Nanopoulos, Kamon, McIntyre	SC-25	High Energy Physics Research at Texas A&M University	697
TEXAS A&M RESEARCH FOUNDATION College Station, TX	DE-FG02-93ER40765 11/30/2011 Tribble, Gagliardi	SC-26.1	QCD and Standard Model Studies	200
TEXAS A&M RESEARCH FOUNDATION College Station, TX	DE-FG02-05ER63979 11/14/2006 Clearfield	SC-23.4	Strategic Design and Optimization of Inorganic Sorbents for Cesium, Strontium and Actinides	132
TEXAS A&M RESEARCH FOUNDATION College Station, TX	DE-FG02-04ER63899 08/31/2007 Santschi	SC-23.4	Biogeochemical Cycling and Environmental Stability of Pu Relevant to Long-Term Stewardship of DOE Sites	100
TEXAS A&M RESEARCH FOUNDATION College Station, TX	DE-FG02-06ER64306 09/14/2009 Rooney	SC-23.2	Genetic Enhancement of Sorghum Biomass for Bioenergy	800
TEXAS A&M UNIVERSITY College Station, TX	DE-FG02-06ER15816 08/14/2009 Morse	SC-22.12	Kinetics and Mechanisms of Calcite Reactions with Saline Waters	157
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	2,231
TEXAS A&M UNIVERSITY College Station, TX	DE-FG02-06ER46333 08/30/2007 Schaak	SC-22.23	Low-Temperature Synthesis Routes to Intermetallic Superconductors	101
TEXAS A&M UNIVERSITY College Station, TX	DE-FG02-06ER64174 07/31/2009 Schumacher	SC-23.3	Hydrometeors Injected into the Large-Scale Environment by Tropical Cloud Systems	60
GRICULTURAL EXPERIMENT STATION Bryan, TX	DE-FG02-06ER64255 08/31/2007 Jones	SC-23.2	Texas A&M U-Lake Granbury/Bosque River Assessment (TX) Water Quality Prog for Lake Granbury, TX Best Management Practices-Benefit Verification	481
GRICULTURAL EXPERIMENT STATION Bryan, TX	DE-FG02-06ER15793 11/14/2006 Hirschi	SC-22.13	2nd Pan American Workshop on Plant Membrane Biology (South Padre Island, May 17-21, 2006)	5
TEXAS ENGRNG EXPERIMNT STATION College Station, TX	DE-FG02-04ER41292 12/31/2005 McIntyre	SC-25	Superconducting Dipoles for Future Hadron Colliders	0
TEXAS ENGRNG EXPERIMNT STATION College Station, TX	DE-FG02-96ER45598 11/30/2005 Pokrovsky	SC-22.22	Theory of Magnetic Heterostructures on the Nanometer Scale	-35
TEXAS ENGRNG EXPERIMNT STATION College Station, TX	DE-FG02-04ER25623 09/14/2008 Rauchwerger	SC-21.1	SmartApps: Middle-ware for Adaptive Applications on Reconfigurable Platforms	500
TEXAS ENGRNG EXPERIMNT STATION College Station, TX	DE-FG02-06ER15836 08/31/2009 Balbuena	SC-22.12	Modeling Catalyzed Growth of Single-Wall Carbon Nanotubes	105

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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-FG02-00ER15033 08/31/2006 Morse	SC-22.1	Experimental and Analytical Studies to Model Reaction Kinetics and Mass Transport of Carbon Dioxide Sequestration in	0
TEXAS ENGRNG EXPERIMNT STATION College Station, TX	DE-FG02-00ER15034 05/31/2009 Datta-Gupta	SC-22.12	Time-Lapse Seismic Monitoring and Performance Assessment of CO2 Sequestration in Hydrocarbon Reservoirs	142
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	115
TEXAS TECH UNIVERSITY Lubbock, TX	DE-FG02-99ER20346 09/14/2011 Knaff	SC-22.13	Ferredoxin-Dependent Plant Metabolic Pathways	120
TEXAS TECH UNIVERSITY Lubbock, TX	DE-FG02-95ER40938 02/28/2009 Wigmans	SC-25	Experimental Particle Physics Research	322
TEXAS TECH UNIVERSITY Lubbock, TX	DE-FG02-05ER46218 07/31/2011 McKenna	SC-22.23	Cyclic Macromolecules: Dynamics and Nonlinear Rheology	178
TEXAS TECH UNIVERSITY Lubbock, TX	DE-FG02-05ER46234 08/31/2009 Korzeniewski	SC-22.23	Strategies for Probing Nanometer-Scale Electrocatalysts: From Single Particles to Catalyst-Membrane Architectures	100
TEXAS TECH UNIVERSITY Lubbock, TX	DE-FG02-02ER63439 12/31/2006 Rodgers	SC-23.2	Transcriptional and Radio-Adaptive Responses to Low Dose Rate Environmental Exposures to the Radioactive Fallout at Chernobyl	0
TEXAS, UNIV OF MD ANDERSON C C Houston, TX	DE-FG02-03ER63599 12/31/2007 Kundra	SC-23.2	Bone Marrow Stem Cells as a Source of Hepatocytes	0
EXAS, UNIV. OF HEALTH SC. CTR. San Antonio, TX	DE-FG02-03ER63646 08/31/2007 Natarajan	SC-23.2	Real-Time Molecular Study of Bystander Effect Using Living Cell Imaging and Nanoparticles Optics	56
EXAS, UNIV. OF HEALTH SC. CTR. San Antonio, TX	DE-FG02-03ER63449 11/14/2006 Natarajan	SC-23.2	Molecular Characterization of Survival Advantage, Bystander Effect, & Genomic Instability After Low LET Low Dose	0
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	392
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-02ER45958 06/14/2011 Niu	SC-22.22	Transport and Collective Properties of Semiconductors and Graphen Overlayers	162
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-93ER40757 12/31/2011 Ritchie, Lang, Schwitters, Kopp,	SC-25	Research in High Energy Physics	760

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				FY 2006
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-94ER40845 03/31/2009 Hoffmann	SC-26.1	Studies in High Energy Heavy Ion Nuclear Physics	450
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-96ER40954 01/14/2011 Downer	SC-25	Laser Wakefield Acceleration: Channeling, Seeding, and Diagnostics	230
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-04ER41321 01/31/2012 Shvets	SC-25	Investigations of the Plasma and Structure-Based Particle Accelerators	175
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-04ER41332 08/14/2009 Klein	SC-26.1	Searching for the MSW Effect and Other New Physics with the Boron-8 Solar Neutrino Spectrum	103
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	35
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-03ER54697 07/14/2006 Valanju, Bengtson	SC-24.2	Magnetofluid Bernoulli Confinement Experiment (MBX)	0
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-04ER54742 10/31/2009 Van Dam	SC-24.2	Establishment of an Institute for Fusion Studies	2,506
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-04ER54763 02/14/2008 Shvets	SC-24.2	Interaction of High Intensity Electromagnetic Waves with Plasmas	117
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-04ER54754 06/14/2010 Kotschenreuther	SC-24.2	Removing the Divertor Bottleneck in Magnetic Fusion Energy	100
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-04ER54766 05/14/2011 Gentle	SC-24.2	Collaborative Research: Magnetized Plasma Turbulence and Coupling to Bulk Flows	287
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	107
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-96ER54373 03/31/2009 Gentle	SC-24.2	Turbulence and Transport in Tokamaks: A Proposal for Collaboration between The University of Texas Fusion Research Center and the MIT Plasma Fusion Center	410
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-97ER54415 03/31/2009 Gentle	SC-24.2	Proposed Diagnostics and Physics Contributions of the University of Texas Fusion Research Center to the DIII-D	419
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-06ER46303 08/14/2010 Liechti	SC-22.22	Nano-Mechanics of Tunable Adhesion using Non Covalent Forces	262
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	145

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TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-01ER15186 10/31/2010 Sessler	SC-22.1	Synthetic Receptors and Sensors for Actinide Cations and the Pertechnetate Anion	160
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-04ER15575 06/30/2008 Browning	SC-22.13	Protein Synthesis Initiation Factors: Phosphorylation and Regulation	120
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-04ER15587 01/31/2012 Mullins	SC-22.12	Surface Chemical Studies of Gold Model Catalysts	150
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-04ER15496 11/14/2009 Katz	SC-22.12	Metal-Anion Pairing at Oxide/Water Interfaces: Theoretical and Experimental Investigations from the Nanoscale to the	77
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-03ER15430 11/30/2009 Laubach	SC-22.1	Predicting Fracture Porosity Evolution In Sandstone	197
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-03ER15396 08/14/2007 Brown, Saxena	SC-22.13	Cellulose Synthesizing Complexes in Vascular Plants and Procaryotes	50
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-03ER15406 10/31/2009 Ditmire	SC-22.1	High Intensity Femtosecond XUV Pulse Interactions with Atomic Clusters	0
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-94ER14465 08/14/2006 Prigogine, Reichl	SC-22.23	The Behavior of Matter at Nanometer Length Scales: Fundamental Aspects and Applications	0
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-93ER14312 11/30/2006 Swinney	SC-22.23	Dynamics of Granular Materials and Particle-Laden Flows	0
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-04ER25617 02/28/2011 Wheeler	SC-21.1	Modeling and Simulation of Coupled Complex Multiscale Subsurface Phenomena	112
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-05ER25701 01/31/2009 Oden	SC-21.1	Adaptive Multi-Scale Modeling Based on Goal Oriented Error Estimation and Control	382
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-06ER25738 08/14/2007 Ghattas	SC-21.1	Terascale Optimal PDE Simulations (TOPS) Center	287
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-05ER25671 06/30/2008 Baldick	SC-21.1	Reducing the Vulnerability of Electric Power Grids to Terrorist Attacks	117
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-05ER25686 08/14/2009 Chiou	SC-21.1	FAST: A Fast, Full-System, Cycle-Accurate Computer Simulator	99
TEXAS, UNIVERSITY OF Austin, TX	DE-FC02-06ER25782 12/14/2011 Ghattas	SC-21.1	Towards Optimal Petascale Simulations (TOPS)	80

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
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	170
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-06ER15758 10/31/2011 Crooks	SC-22.12	Theoretical and Experimental Study of Electrokinetic Accumulation and Separation	145
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	261
TEXAS, UNIVERSITY OF Austin, TX	DE-FG02-04ER63741 12/14/2006 Sessler	SC-23.4	The Supramolecular Chemistry of Selective Anion Recognition for Anions of Environmental Relevance	150
EXAS, UNIVERSITY OF ARLINGTON Arlington, TX	DE-FG02-06ER64287 08/31/2009 Behbehani	SC-23.2	The University of Texas at Arlington Optical Medical Imaging Section of the Advancing Imaging Research Center	753
EXAS, UNIVERSITY OF ARLINGTON Arlington, TX	DE-FG02-06ER46288 08/31/2007 Priya	SC-22.22	Mesoscale Interfacial Dynamics in Magnetoelectric Nanocomposites	50
EXAS, UNIVERSITY OF ARLINGTON Arlington, TX	DE-FG02-96ER40943 01/31/2011 White	SC-25	Research in Experimental Elementary Particle Physics	592
EXAS, UNIVERSITY OF ARLINGTON Arlington, TX	DE-FG02-04ER15623 01/14/2009 Rajeshwar	SC-22.1	Shape-Controlled Electrosynthesis of Semiconductor Nanoparticles for Solar Energy Conversion	100
EXAS, UNIVERSITY OF ARLINGTON Arlington, TX	DE-FG02-05CH11280 05/15/2009 Behbehani	SC-23	The University of Texas at Arlington Optical Medical Imaging Section of the Advanced Imaging Research Center	1,653
EXAS, UNIVERSITY OF ARLINGTON Arlington, TX	DE-FG02-03ER15409 08/31/2009 Ray	SC-22.1	A Fully Relativistic Density Functional Study of the Role of 5f Electrons in Chemical Bonding in Transuranium Elements	154
TEXAS, UNIVERSITY OF DALLAS Richardson, TX	DE-FG02-04ER41310 04/14/2010 Izen	SC-25	Elementary Particle Physics	265
TEXAS, UNIVERSITY OF EL PASO El Paso, TX	DE-FG02-04ER25622 09/14/2008 Teller	SC-21.1	DAiSES: Dynamic Adaptability in Support of Extreme Scale	500
Total for TX :				27,686

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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 2006
BRIGHAM YOUNG UNIVERSITY Provo, UT	DE-FG02-05ER15666 08/14/2011 Woodfield	SC-22.12	Energetics of Nanomaterials	165
BRIGHAM YOUNG UNIVERSITY Provo, UT	DE-FG02-03ER15410 10/31/2009 Farnsworth	SC-22.1	Ion Production and Transport in Atmospheric Pressure ion Source Mass Spectrometers Equipment	125
UTAH STATE UNIVERSITY Logan, UT	DE-FC02-04ER54798 09/14/2007 Held	SC-24.2	Center for Extended Magnetohydrodynamic Modeling	60
UTAH STATE UNIVERSITY Logan, UT	DE-FC02-05ER54812 02/28/2010 Held	SC-24.2	Plasma Center for Computational Predictability at Washington, Wisconsin, and Utah State Universities	55
UTAH STATE UNIVERSITY Logan, UT	DE-FG02-04ER54746 12/14/2009 Held	SC-24.2	Advanced Closures for Numerical Simulations of Plasmas	69
UTAH STATE UNIVERSITY Logan, UT	DE-FG02-06ER64277 07/31/2009 Schmidt	SC-23.2	Establishment of the Intermountain Center for River Rehabilitation and Restoration at Utah State University	385
UTAH, UNIVERSITY OF Salt Lake City, UT	DE-FG02-06ER64309 08/31/2009 Ehleringer	SC-23.3	Understanding the Influences of Seasonality and Interannual Variability on Biosphere-Atmosphere d13CO2 Exchange in a	253
UTAH, UNIVERSITY OF Salt Lake City, UT	DE-FG02-05ER64085 12/31/2008 Warters	SC-23.2	Characterization of the Role of TP53 Turnover Rates in Low IR Dose Sensitivity	330
UTAH, UNIVERSITY OF Salt Lake City, UT	DE-FG02-05ER64026 12/14/2008 Trehwella	SC-23.2	Biological Neutron Scattering	230
UTAH, UNIVERSITY OF Salt Lake City, UT	DE-FG02-04ER63904 08/31/2008 Bowling	SC-23.3	Long-Term Assessment of Isotopic Exchange of Carbon Dioxide in a Subalpine Forest (Niwot Ridge AmeriFlux Site)	149
UTAH, UNIVERSITY OF Salt Lake City, UT	DE-FC02-06ER54848 01/14/2009 Parker	SC-24.2	SciDAC - Center for Plasma Edge Simulation	40
UTAH, UNIVERSITY OF Salt Lake City, UT	DE-FG02-98ER62571 02/28/2011 Mace	SC-23.3	The Coupling Between the Large Scale Atmospheric State and Cloud Properties: A Continuing Investigation with ARM Data	241
UTAH, UNIVERSITY OF Salt Lake City, UT	DE-FG02-94ER61769 11/30/2006 Krueger	SC-23.3	Parameterization of Clouds in the NCEP Global Model	0
UTAH, UNIVERSITY OF Salt Lake City, UT	DE-FG02-04ER46148 05/31/2010 Liu	SC-22.22	Towards Quantitative Understanding of Strain Induced Nanoscale Self-Assembly from Atomic-Scale Surface Energetics and Kinetics	129
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	180

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
UTAH, UNIVERSITY OF Salt Lake City, UT	DE-FG02-06ER46313 08/31/2009 Mishchenko	SC-22.22	Many-Body Effects in Spin-Polarized Transport	70
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	88
UTAH, UNIVERSITY OF Salt Lake City, UT	DE-FG02-03ER46086 08/31/2009 Virkar	SC-22.22	Thermodynamic and Kinetic Studies of High Temperature Proton Conductors (HTPC) Using Thin Films and Porous Bodies	144
UTAH, UNIVERSITY OF Salt Lake City, UT	DE-FG02-93ER45504 12/31/2010 Miller	SC-22.23	Synthesis of Molecule/Polymer Based Magnetic Materials	217
UTAH, UNIVERSITY OF Salt Lake City, UT	DE-FC02-06ER41446 03/14/2011 Detar	SC-25	SciDAC: National Computational Infrastructure for Lattice Gauge Theory	26
UTAH, UNIVERSITY OF Salt Lake City, UT	DE-FC02-01ER41183 07/14/2007 Detar	SC-25	SciDAC: National Computational Infrastructure for Lattice Gauge Theory	52
UTAH, UNIVERSITY OF Salt Lake City, UT	DE-FC02-06ER25781 12/14/2011 Johnson	SC-21.1	Visualization and Analytics Center for Enabling Technologies	525
UTAH, UNIVERSITY OF Salt Lake City, UT	DE-FG02-04ER25653 09/14/2007 Johnson	SC-21.1	Center for Extended Magnetohydrodynamic Modeling	40
UTAH, UNIVERSITY OF Salt Lake City, UT	DE-FC02-01ER25457 07/31/2007 Johnson	SC-21.1	FusionGrid: An Enhanced Collaborative Environment for Magnetic Fusion	0
UTAH, UNIVERSITY OF Salt Lake City, UT	DE-FG02-05ER15724 06/14/2011 Voth	SC-22.12	Computer Simulation of Proton Transport in Fuel Cell Membranes	150
UTAH, UNIVERSITY OF Salt Lake City, UT	DE-FG02-04ER15620 09/14/2008 Drews	SC-22.13	Programmed cell death during female gametophyte development	120
UTAH, UNIVERSITY OF Salt Lake City, UT	DE-FG02-93ER14333 02/28/2011 Harris	SC-22.12	Analytical Spectroscopy Methods for Liquid/Solid Interfaces	127
UTAH, UNIVERSITY OF Salt Lake City, UT	DE-FG02-93ER14340 07/31/2007 Eyring	SC-22.1	Vibrational Spectroscopy of Absorbed Molecules on Metal and Metal Oxide Surfaces: Observations of Dynamic and Static Systems	0
UTAH, UNIVERSITY OF Salt Lake City, UT	DE-FG02-03ER15404 05/31/2009 Armentrout	SC-22.1	Thermochemistry and Reactivity of Transition Metal Clusters and Their Oxides	193
UTAH, UNIVERSITY OF Salt Lake City, UT	DE-FG02-04ER15536 04/30/2007 Grant	SC-22.1	Carbon-13 NMR of Solid State Hydrocarbons and Related Substances	0

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
UTAH, UNIVERSITY OF Salt Lake City, UT	DE-FG02-99ER15003 10/31/2009 Anderson	SC-22.1	Model Catalysts by Size-Selected Cluster Deposition	153
UTAH, UNIVERSITY OF Salt Lake City, UT	DE-FG02-01ER15176 12/14/2010 Morse	SC-22.1	Spectroscopy of Organometallic Radicals	125
WESTMINSTER COLLEGE Salt Lake City, UT	DE-FG02-06CH11407 03/31/2007 Seltzer	SC-23	Purchase Equipment for Westminster College's Science Program and New Science Center	722
			Total for UT :	5,163

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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 2006
GALILEO MAGNET HIGH SCHOOL Danville, VA	DE-FG02-06CH11408 10/31/2007 Culley, Lawrence	SC-23	Renovations	96
GEORGE MASON UNIVERSITY Fairfax, VA	DE-FG02-06ER64275 09/14/2008 Bailey	SC-23.2	Detection, Diagnosis, Transmission, Immunology and Therapy of Pathogenic Organisms	962
HAMPTON UNIVERSITY Hampton, VA	DE-FG02-06ER64252 08/30/2008 Keppel	SC-23.2	Development of a Cancer Treatment Research Center at Hampton University	481
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	40
HAMPTON UNIVERSITY Hampton, VA	DE-FG02-02ER54673 04/30/2006 Punjabi, Ali	SC-24.2	The 2006 HU Center for Fusion Science Research & Training (HU CRFT) Summer High School Fusion Science Workshop	0
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	124
HAMPTON UNIVERSITY Hampton, VA	DE-FG02-97ER41047 05/31/2009 Tang	SC-26.1	Selected Problems in Nuclear/High Energy Physics: Experimental Hypernuclear Physics	120
HAMPTON UNIVERSITY Hampton, VA	DE-FG02-97ER41035 12/31/2006 Baker	SC-26.1	Electromagnetic Studies of Mesons, Nucleons, and Nuclei	43
NORFOLK STATE UNIVERSITY Norfolk, VA	DE-FG02-89ER40525 06/30/2010 Punjabi	SC-26.1	Polarization Experiments with Electromagnetic Probes	118
ERN VIRGINIA COMMUNITY COLLEGE Annandale, VA	DE-FG02-06ER64264 08/30/2009 Hinton	SC-23.2	Northern Virginia Community College Training for Biotechnology Workers	481
OLD DOMINION UNIVERSITY Norfolk, VA	DE-FC02-06ER25774 07/31/2008 Pothen	SC-21.1	Combinatorial Scientific Computing and Petascale Simulations (CSCAPES)	331
OLD DOMINION UNIVERSITY Norfolk, VA	DE-FG02-05ER54820 03/31/2011 Vahala	SC-24.2	EBW Physics of ECE in NSTX	57
OLD DOMINION UNIVERSITY Norfolk, VA	DE-FG02-96ER54360 05/31/2010 Vahala	SC-24.2	Topics in Plasma Physics	10
OLD DOMINION UNIVERSITY Norfolk, VA	DE-FG02-97ER45625 01/31/2009 Elsayed-Ali	SC-22.23	Effect of Electronic Excitation on Thin Film Growth	130

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
OLD DOMINION UNIVERSITY Norfolk, VA	DE-FG02-05ER41396 02/28/2009 Vuskovic	SC-25	Investigation of Plasma Etching for Superconducting RF Cavities Surface Preparation	60
OLD DOMINION UNIVERSITY Norfolk, VA	DE-FG02-97ER41028 04/14/2009 Radyushkin	SC-26.1	Topics in Theoretical Nuclear Physics	50
OLD DOMINION UNIVERSITY Norfolk, VA	DE-FG02-96ER40960 03/14/2011 Kuhn, Weinstein, Dodge	SC-26.1	From Quarks to Nuclei	560
RICHMOND, UNIVERSITY OF Richmond, VA	DE-FG02-05ER41379 04/30/2011 Beausang	SC-26.1	Nuclear Structure Research at Richmond	38
RGINIA COMMONWEALTH UNIVERSITY Richmond, VA	DE-FG02-05CH11282 09/30/2007 Gillikin, Ginder	SC-23	Expansion of Massey Cancer Center Research Facility	962
A POLYTECHNIC INST AND ST UNIV Blacksburg, VA	DE-FG02-96ER14669 12/14/2009 Oyama	SC-22.1	Molecular Level Studies of Advanced Hydrotreating Catalysis	135
A POLYTECHNIC INST AND ST UNIV Blacksburg, VA	DE-FG02-97ER14751 04/30/2009 Cox	SC-22.1	Hydrocarbon Dehydrogenation and Oxidation Over Model Metal Oxide Surfaces	145
A POLYTECHNIC INST AND ST UNIV Blacksburg, VA	DE-FG02-03ER15389 12/31/2006 Rimstidt	SC-22.1	Electron Density Distributions as a Guide for Understanding the Reactivity of Silicate Earth Materials	0
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	226
A POLYTECHNIC INST AND ST UNIV Blacksburg, VA	DE-FG02-97ER20276 07/31/2007 Chen	SC-22.13	Enzymology of Acetone-Butanol-Isopropanol Formation	0
A POLYTECHNIC INST AND ST UNIV Blacksburg, VA	DE-FG02-04ER15627 09/14/2008 Beers	SC-22.13	Characterization of MYR1 and XND1, two Arabidopsis transcription factors involved in vascular tissue development	138
A POLYTECHNIC INST AND ST UNIV Blacksburg, VA	DE-FG02-05ER15658 12/14/2011 Ross	SC-22.12	Energetics of Nanomaterials	72
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	140
A POLYTECHNIC INST AND ST UNIV Blacksburg, VA	DE-FG02-06ER15786 05/14/2009 Hochella	SC-22.12	Frontiers in Biogeochemistry and Nanomineralogy: Studies in Quorum Sensing and Nanosulfide Dissolution Rates	121
A POLYTECHNIC INST AND ST UNIV Blacksburg, VA	DE-FG02-06ER25751 08/14/2008 Nikolopoulos	SC-21.1	MELISSES: Liquid Services for Scalable Multithreaded and Multicore Execution on Emerging Supercomputers	131

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
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	114
A POLYTECHNIC INST AND ST UNIV Blacksburg, VA	DE-FG02-92ER40709 01/31/2010 Piilonen, Takeuchi	SC-25	Investigations in Experimental and Theoretical Particle Physics	317
A POLYTECHNIC INST AND ST UNIV Blacksburg, VA	DE-FG02-06ER46290 07/31/2009 Viehland	SC-22.22	Mesoscale Interfacial Dynamics in Magnetolectric Nanocomposites	50
A POLYTECHNIC INST AND ST UNIV Blacksburg, VA	DE-FG02-06ER64185 03/14/2009 Brunner	SC-23.2	New Genetic Tools for Modifying Tree Properties to Enhance Carbon Sequestration	399
VIRGINIA, UNIVERSITY OF Charlottesville, VA	DE-FG02-96ER40950 11/30/2010 Day, Crabb	SC-26.1	Electron Interactions with Nuclei	618
VIRGINIA, UNIVERSITY OF Charlottesville, VA	DE-FG02-97ER41027 04/15/2009 Thacker	SC-25	Experimental and Theoretical High Energy Physics Group (Tasks A, B, C, and D)	912
VIRGINIA, UNIVERSITY OF Charlottesville, VA	DE-FG02-97ER41025 05/31/2009 Norum	SC-26.1	Nuclear Studies with Intermediate Energy Probes	396
VIRGINIA, UNIVERSITY OF Charlottesville, VA	DE-FG02-01ER41168 03/31/2010 Cates	SC-26.1	Medium Energy Spin Physics with Lasers	320
VIRGINIA, UNIVERSITY OF Charlottesville, VA	DE-FG02-01ER41200 04/30/2010 Liuti	SC-26.1	Studies of Quantum Chromodynamics at the Intersection of the Perturbative and Non-Perturbative Regimes	45
VIRGINIA, UNIVERSITY OF Charlottesville, VA	DE-FG02-03ER41240 05/31/2011 Liyanaage	SC-26.1	Study of the Nucleon Structure at Jefferson Lab Hall A	112
VIRGINIA, UNIVERSITY OF Charlottesville, VA	DE-FG02-00ER45825 06/30/2008 Scully	SC-22.21	Cooperative Interactions Among Corrosion Sites: Effect on a Variety of Corrosion Processes	128
VIRGINIA, UNIVERSITY OF Charlottesville, VA	DE-FG02-01ER45918 03/14/2008 Howe	SC-22.21	Using Plasmon Peaks in Electron Energy-Loss Spectroscopy to Determine the Physical and Mechanical Properties of	118
VIRGINIA, UNIVERSITY OF Charlottesville, VA	DE-FG02-01ER45927 06/14/2011 Louca	SC-22.21	Spin Transitions, Phase Competition and Ordering in Perovskite Oxides	236
VIRGINIA, UNIVERSITY OF Charlottesville, VA	DE-FG02-99ER45771 06/30/2007 Johnson	SC-22.22	Microstructural Evolution and Interfacial Motion in Systems with Diffusion Barriers	0
VIRGINIA, UNIVERSITY OF Charlottesville, VA	DE-FG02-04ER25640 09/14/2007 Veeraraghavan	SC-21.1	Enabling Supernova Computations by Integrated Transport and Provisioning Methods Optimized for Dedicated Channels	0

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
VIRGINIA, UNIVERSITY OF Charlottesville, VA	DE-FG02-04ER25601 08/14/2008 Humphrey	SC-21.1	Identity Federation and Policy Management Guide	100
VIRGINIA, UNIVERSITY OF Charlottesville, VA	DE-FG02-02ER25539 08/14/2006 Luebke	SC-21.1	View-Dependent Strategies for Very Large Scale Visualization	0
VIRGINIA, UNIVERSITY OF Charlottesville, VA	DE-FC02-06ER25776 12/14/2011 Humphreys	SC-21.1	SCIDAC Institute for Ultrascale Visualization	140
VIRGINIA, UNIVERSITY OF Charlottesville, VA	DE-FG02-97ER20279 08/31/2008 Timko	SC-22.13	NADPH: Protochlorophyllide Oxidoreductase - Structure, Catalytic Function, and Role in Prolamellar Body Formation and Photomorphogenesis	120
VIRGINIA, UNIVERSITY OF Charlottesville, VA	DE-FG02-00ER15053 05/31/2009 Jones	SC-22.1	Using Intense Short Laser Pulses to Manipulate and View Molecular Dynamics	145
VIRGINIA, UNIVERSITY OF Charlottesville, VA	DE-FG02-97ER14786 10/31/2009 Gallagher	SC-22.1	Studies of Autoionizing States Relevant to Dielectronic Recombination	135
VIRGINIA, UNIVERSITY OF Charlottesville, VA	DE-FG02-01ER15203 07/31/2006 Kolomeisky	SC-22.1	Physics of Low-Dimensional Bose-Einstein Condensates	0
VIRGINIA, UNIVERSITY OF Charlottesville, VA	DE-FG02-95ER14549 02/28/2009 Davis	SC-22.1	Structure and Function of Supported Base Catalysts	145
WILLIAM AND MARY, COLLEGE OF Williamsburg, VA	DE-FG02-04ER41302 03/14/2010 Vanderhaeghen, Orginos	SC-26.1	Topics in Theoretical Physics	125
WILLIAM AND MARY, COLLEGE OF Williamsburg, VA	DE-FG02-96ER41003 02/14/2011 Griffioen, Averett	SC-26.1	Nucleon Structure Studies	208
WILLIAM AND MARY, COLLEGE OF Williamsburg, VA	DE-FG02-06ER41434 11/30/2008 Kelley	SC-25	Research and Development for Electropolishing of Niobium for ILC Accelerator Cavities	99
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	205
WILLIAM AND MARY, COLLEGE OF Williamsburg, VA	DE-FG02-96ER54344 12/31/2011 Vahala	SC-24.2	Theoretical Plasma Physics	95
WILLIAM AND MARY, COLLEGE OF Williamsburg, VA	DE-FG02-06ER54885 07/14/2009 Tracy	SC-24.2	New Methods for the Analysis of Waves in Plasmas	90
WILLIAM AND MARY, COLLEGE OF Williamsburg, VA	DE-FG02-05ER25689 08/14/2006 Nikolopoulos	SC-21.1	MELISSES: Liquid Services for Scalable Multithreaded and Multicore Execution on Emerging Supercomputers	-31

Total for VA :

11,181

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Listing of Awards for State (VT)

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
CASTLETON STATE COLLEGE Castleton, VT	DE-FG02-06CH11412 11/30/2007 Wolk	SC-23	Math and Science Center Project	1,925
VERMONT, UNIVERSITY OF Burlington, VT	DE-FG02-00ER45828 06/30/2007 Wallace	SC-22.23	DOE EPSCoR Initiative in Structural and Computational Biology/Bioinformatics Phase II	0
VERMONT, UNIVERSITY OF Burlington, VT	DE-FG02-02ER45964 12/31/2006 Smith	SC-22.22	Electromagnetic Properties of Matter at X-Ray Wavelength	0
VERMONT, UNIVERSITY OF Burlington, VT	DE-FG02-02ER45962 12/31/2006 Lee	SC-22.22	Generating Cost Models of User-Defined Functions	0
VERMONT, UNIVERSITY OF Burlington, VT	DE-FG02-03ER46032 02/14/2007 Headrick	SC-22.21	Fundamental Mechanisms of Interface Roughness	0
VERMONT, UNIVERSITY OF Burlington, VT	DE-FG02-06CH11411 09/29/2007 Tracy	SC-23	Neuroimaging Center	385
Total for VT :				2,310

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Listing of Awards for State (WA)

Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
WASHINGTON STATE UNIVERSITY Pullman, WA	DE-FG02-97ER20259 01/31/2010 Lewis	SC-22.13	Probing Lignin Primary Structure and Assembly: An Overdue Approach	65
WASHINGTON STATE UNIVERSITY Pullman, WA	DE-FG02-96ER20225 07/14/2011 Kahn	SC-22.13	The Rhizobial Nitrogen Stress Response and Effective Symbiotic Nitrogen Fixation	120
WASHINGTON STATE UNIVERSITY Pullman, WA	DE-FG02-06ER15820 08/14/2009 Hurst	SC-22.13	Membrane-Organized Chemical Photoredox Systems	135
WASHINGTON STATE UNIVERSITY Pullman, WA	DE-FG02-06ER15782 06/30/2009 Clark	SC-22.12	Actinide Partitioning and Radiation Effects in U(VI) Solids: Thermodynamics and Mechanistic Study	110
WASHINGTON STATE UNIVERSITY Pullman, WA	DE-FG02-05ER15672 08/14/2009 Grimes	SC-22.13	Functional/genomic analysis of vegetative storage protein proteolysis in leaf paraveinal mesophyll cells	120
WASHINGTON STATE UNIVERSITY Pullman, WA	DE-FG02-04ER15618 07/31/2010 Dickinson	SC-22.12	Laser Material Interactions Relevant to Analytic Spectroscopy of Wide Band Gap Materials	125
WASHINGTON STATE UNIVERSITY Pullman, WA	DE-FG02-06CH11455 05/31/2008 Clark	SC-23	Washington State University Radio Chemistry	289
WASHINGTON STATE UNIVERSITY Pullman, WA	DE-FG02-03ER15481 10/14/2007 Wang	SC-22.12	Early Transition Metal Oxides of Catalysts: Crossing Scales From Clusters to Single Crystals to Functioning	76
WASHINGTON STATE UNIVERSITY Pullman, WA	DE-FG02-04ER15559 06/30/2008 Kramer	SC-22.13	The Energy Budget for Steady-State Photosynthesis	140
WASHINGTON STATE UNIVERSITY Pullman, WA	DE-FG02-02ER45988 06/30/2007 Dickinson	SC-22.21	Electron Emission as a Probe of Plastic Deformation in Single Crystal Metals	0
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	200
WASHINGTON STATE UNIVERSITY Pullman, WA	DE-FG07-99ER62882 09/14/2005 Flury	SC-23.4	Colloid-Facilitated Transport of Radionuclides Through the Vadose Zone	0
WASHINGTON STATE UNIVERSITY Pullman, WA	DE-FG03-99ER62860 08/31/2005 Wilson	SC-23.2	Monte Carlo Track-Structure Simulations for Low-LET Selected-Cell Radiation Studies	0
WASHINGTON STATE UNIVERSITY Pullman, WA	DE-FG02-99ER62787 04/14/2009 Morgan	SC-23.2	Optimizing the Scientific Regulatory and Social Impact of the DOE Low Dose Program	350
WASHINGTON STATE UNIVERSITY Pullman, WA	DE-FG02-01ER63234 08/31/2006 Miller	SC-23.2	Models for the Generation of Bystander Effects by Low Doses of Ionizing Radiation	0

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
WASHINGTON STATE UNIVERSITY Pullman, WA	DE-FG02-05ER64105 07/31/2009 Miller	SC-23.2	Identification and Characterization of Soluble Factors Involved in Non-Targeted Effects of Low Dose Radiation	74
WASHINGTON STATE UNIVERSITY Pullman, WA	DE-FG02-04ER63757 12/14/2007 Nash	SC-23.4	Characterization of Actinides in Simulated Alkaline Tank Waste Sludges and Leachates	161
WASHINGTON STATE UNIVERSITY Pullman, WA	DE-FG02-04ER63802 04/30/2009 James	SC-23.2	Operation and Maintenance of the National Radiobiology Archives	73
WASHINGTON STATE UNIVERSITY Pullman, WA	DE-FG02-05ER63974 12/31/2008 Xun	SC-23.4	Anaerobic Biotransformation and Mobility of Pu and PuEDTA	70
WASHINGTON STATE UNIVERSITY Pullman, WA	DE-FG07-02ER63503 09/14/2005 Peyton	SC-23.4	Mechanisms of CC14 Retention and Slow Release in Model Porous Solids and Sediments	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	300
WASHINGTON, UNIVERSITY OF Seattle, WA	DE-FG02-03ER63663 12/14/2007 Strand	SC-23.4	Genetic Engineering of Plants to Improve Phytoremediation of Chlorinated Hydrocarbons in Groundwater	230
WASHINGTON, UNIVERSITY OF Seattle, WA	DE-FG02-03ER63642 08/31/2008 Armbrust, Keil	SC-23.3	Diatom Photorespiration and Microbial C/N Cycling in the Upper Ocean: An Integrated Molecular and Biochemical Approach	0
WASHINGTON, UNIVERSITY OF Seattle, WA	DE-FG02-05ER63990 05/31/2007 Burgess	SC-23.4	Physical Characterization of Solid-Liquid Slurries at High Weight Fractions Utilizing Optical and Ultrasonic Methods	153
WASHINGTON, UNIVERSITY OF Seattle, WA	DE-FG02-05ER63959 11/30/2007 Bretherton	SC-23.3	ARM-based Development of a New Combined Parameterization for Shallow and Deep Cumulus Convection in Large-Scale Climate Models	125
WASHINGTON, UNIVERSITY OF Seattle, WA	DE-FG02-04ER63796 11/30/2007 Berg	SC-23.4	Physical Properties of Hanford Transuranic Waste Sludge	86
WASHINGTON, UNIVERSITY OF Seattle, WA	DE-FG02-04ER63873 07/31/2009 Lettenmaier	SC-23.3	North American Drought in the 21st Century	203
WASHINGTON, UNIVERSITY OF Seattle, WA	DE-FG02-06ER64175 01/31/2010 Houze	SC-23.3	Hydrometeors Injected into the Large Scale Environment by Tropical Cloud Systems	60
WASHINGTON, UNIVERSITY OF Seattle, WA	DE-FG07-01ER63297 09/14/2004 Burgess	SC-23.4	Investigating Ultrasonic Diffraction Grating Spectroscopy and Reflection Techniques for Characterizing Slurry Properties	0
WASHINGTON, UNIVERSITY OF Seattle, WA	DE-FC02-00ER62908 07/31/2007 Schwartz	SC-23.2	Radiation Sensitivity and Cancer Susceptibility	60

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
WASHINGTON, UNIVERSITY OF Seattle, WA	DE-FC02-05ER54811 02/28/2010 Jarboe	SC-24.2	Plasma Center for Computational Predictability at Washington, Wisconsin, and Utah State Universities	843
WASHINGTON, UNIVERSITY OF Seattle, WA	DE-FG02-04ER54769 06/14/2012 Slough	SC-24.2	Small Scale Fusion: The Pulsed High Density FRC Experiment	302
WASHINGTON, UNIVERSITY OF Seattle, WA	DE-FG02-04ER54779 09/30/2008 Raman	SC-24.2	Compact and Toroid Injection in NSTX	25
WASHINGTON, UNIVERSITY OF Seattle, WA	DE-FG02-04ER54753 03/31/2008 Slough	SC-24.2	Magnetized Target Fusion	110
WASHINGTON, UNIVERSITY OF Seattle, WA	DE-FG02-04ER54756 12/31/2010 Shumlak	SC-24.2	The ZaP Flow Z-Pinch Project	316
WASHINGTON, UNIVERSITY OF Seattle, WA	DE-FG02-96ER54376 01/31/2010 Hoffman	SC-24.2	Rotating Magnetic Field Generation and Sustainment of FRCs Using an Advanced TCS/Upgrade	1,600
WASHINGTON, UNIVERSITY OF Seattle, WA	DE-FG02-96ER54361 05/31/2010 Jarboe	SC-24.2	Helicity Injected Torus (HIT) Current Drive Program	864
WASHINGTON, UNIVERSITY OF Seattle, WA	DE-FG02-98ER54480 12/14/2011 Steinhauer	SC-24.2	Theory of Field-Reversed Configurations	100
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	271
WASHINGTON, UNIVERSITY OF Seattle, WA	DE-FG02-04ER46102 01/31/2010 Sorensen, Ingalls	SC-22.22	Coherent X-Ray Spectroscopy of Solids	119
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	207
WASHINGTON, UNIVERSITY OF Seattle, WA	DE-FG02-97ER45623 02/14/2012 Rehr	SC-22.22	Quantitative Photon and Electron Spectroscopy Theory	258
WASHINGTON, UNIVERSITY OF Seattle, WA	DE-FC02-01ER41187 11/30/2006 Haxton	SC-26.1	Shedding New Light on Exploding Stars: TeraScale Simulations of Neutrino-Driven Supernovae and Their Nucleosynthesis	0
WASHINGTON, UNIVERSITY OF Seattle, WA	DE-FG02-97ER41020 11/30/2011 Robertson	SC-26.1	Experimental Nuclear Physics	3,301
WASHINGTON, UNIVERSITY OF Seattle, WA	DE-FG02-97ER41014 10/31/2011 Miller	SC-26.1	Nuclear Theory	585

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
WASHINGTON, UNIVERSITY OF Seattle, WA	DE-FG02-96ER40956 01/31/2011 Yaffe, Wilkes	SC-25	Theoretical and Experimental Particle Physics	845
WASHINGTON, UNIVERSITY OF Seattle, WA	DE-FG02-00ER41132 02/28/2009 Kaplan	SC-26.1	Institute for Nuclear Theory	2,050
WASHINGTON, UNIVERSITY OF Seattle, WA	DE-FG02-04ER15599 07/31/2007 Rehr	SC-22.12	Supported Molecular Catalysts: Synthesis, In-Situ Characterization and Performance	72
WASHINGTON, UNIVERSITY OF Seattle, WA	DE-FG02-03ER15448 09/14/2009 Torii	SC-22.13	Modes of Action and Functions of ERECTA-family Receptor-like Kinases in Plant Organ Growth and Development	130
WASHINGTON, UNIVERSITY OF Seattle, WA	DE-FG02-01ER15252 09/14/2004 Leigh	SC-22.1	Global Regulation in the Methane-Producing Archaeon Methanococcus maripaludis	0
WASHINGTON, UNIVERSITY OF Seattle, WA	DE-FG02-05CH11267 06/30/2009 Chamberlain	SC-23	Equipment Purchase for Research Laboratory	289
WASHINGTON, UNIVERSITY OF Seattle, WA	DE-FG02-05ER15707 08/31/2010 Harwood	SC-22.13	Biohydrogen production by a photosynthetic bacterium	130
WASHINGTON, UNIVERSITY OF Seattle, WA	DE-FG02-06ER15785 05/31/2007 Campbell	SC-22.12	Support for the 5th International Workshop on Oxide Surfaces (IWOX V)	8
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	120
WASHINGTON, UNIVERSITY OF Seattle, WA	DE-FC02-01ER25474 06/14/2007 Leveque	SC-21.1	An Algorithmic and Software Framework for Applied Partial Differential Equations	66
WASHINGTON, UNIVERSITY OF Seattle, WA	DE-FG02-03ER25576 09/14/2007 Greenbaum	SC-21.1	Numerical Methods for Forward and Inverse Problems in Discontinuous Media	0
Total for WA :				15,936

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
MARQUETTE UNIVERSITY Milwaukee, WI	DE-FG02-98ER20307 07/31/2008 Noel	SC-22.13	Lipopolysaccharide Structures and Genes Required for Root Nodule Development	100
WISCONSIN, MEDICAL COL. OF Milwaukee, WI	DE-FG02-04ER63772 02/14/2008 Roberts	SC-23.2	Developing Ethical Practice for Genetics Testing in the Workplace: An Evidence-Based Approach	450
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-03ER63604 09/14/2008 DeWeaver	SC-23.3	Diagnostic Research and Development: Dynamics of Arctic Climate & Atmospheric Circulation in Re-analysis & in AMIP, CMIP, & National Assessment Integration	73
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG07-02ER63501 12/31/2005 Edil, Alumbaugh	SC-23.4	A Resolution Analysis of Two Geophysical Imaging Methods for Characterizing and Monitoring Hydrologic Conditions in the	-39
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-05ER64038 10/14/2006 Blattner	SC-23.2	The 13th Annual International Conference on Microbial Genomes - Sept. 11-15, 2005	0
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-06ER64184 01/14/2007 Roden	SC-23.4	In Situ Immobilization of Uranium in Structured Porous Media via Biomining at the Fraction/Matrix	128
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-06ER64171 01/14/2009 Roden	SC-23.4	Integrated Nucleic Acid System for In-Field Monitoring of Microbial Community Dynamics and Metabolic Activity	57
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-06ER64172 01/14/2008 Roden	SC-23.4	Reaction-Based Reactive Transport Modeling of Iron Reduction and Uranium Immobilization at Area 2 of the NABIR	99
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-06ER64167 12/14/2011 Turner	SC-23.3	Evaluating Radiative Closure in the Middle-to-Upper Troposphere	90
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-06ER64187 01/31/2009 Eloranta	SC-23.3	Cloud Model Validation Using Particle Size & Ice Crystal Morphology Data Derived from M-PACE High Spectral Resolution Lidar &	114
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-06ER64202 03/14/2009 DeSlover	SC-23.3	Parameterizing Size Distributions in Ice Clouds	34
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-06ER64296 08/31/2007 Vimont	SC-23.3	Land/Atmosphere Interaction in the Community Climate System Model (CCSM)	24
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-06ER64297 08/31/2008 Vavrus	SC-23.3	Improving the Simulation of Arctic Clouds in CCSM3	24
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-06ER64305 02/29/2008 Turner	SC-23.3	Analysis and Calibration of CRF Raman Lidar Cloud Liquid Water Measurements	64
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-06ER64232 06/30/2009 Lindroth	SC-23.3	Impacts of Elevated CO2 and O3 on Insect-Medicated Ecosystem Processes in a Northern Deciduous Forest	334

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WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-05ER25703 08/14/2009 Liu	SC-21.1	Multi-Scale Coupling in Geophysical and Climate Modeling	127
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-04ER25627 08/31/2011 Mitchell	SC-21.1	BACTER: Bringing Advanced Computational Techniques to Environmental Research	1,215
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FC02-06ER25756 09/14/2011 Livny	SC-21.1	A Center for Enabling Distributed Petascale Science	560
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-88ER40438 12/31/2007 Haeberli	SC-26.1	Development of Hydrogen and Deuterium Polarized Gas Targets for Application in Storage Rings	190
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-91ER40643 06/30/2007 Larbalestier	SC-25	High Field Superconductor Development and Understanding	530
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 Approach	280
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FC02-01ER25475 04/30/2007 Rutland	SC-21.1	An Algorithmic and Software Framework for Partial Differential Equations	58
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FC02-01ER25458 07/31/2007 Livny	SC-21.1	Particle Physics Data Grid from Fabric to Physics Empowering International Virtual Organizations for Frontier Science	515
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FC02-01ER25450 07/31/2007 Livny	SC-21.1	SiDAC-DATA: High Performance Data Grid Tool Kit Enabling Technology for Wide Area Data-Intensive Applications	0
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-93ER25176 01/31/2009 Miller	SC-21.1	Tools for the Development of High-Performance Energy Applications and Systems	650
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-91ER20029 05/31/2008 Patterson	SC-22.13	Genomic Analysis of the Receptor Kinase Gene Family in Arabidopsis thaliana	73
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-94ER20140 12/31/2007 Hammel	SC-22.13	Small oxidants and electrophiles as agents of lignocellulose decay by fungi	49
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-88ER13938 06/30/2009 Sussman	SC-22.13	Molecular Mechanism of Energy Transduction by Plant Membrane Proteins	115
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	155
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	145

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WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-87ER13712 05/31/2009 Cullen	SC-22.13	Extracellular Oxidative Metabolism of Wood Decay Fungi	120
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-93ER14389 03/31/2010 Valley	SC-22.12	High Precision Ion Microprobe Analysis of Low Temperature Quartz Cements	216
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-01ER15266 09/14/2009 Jiang	SC-22.13	Structure, Function, and Evolution of Rice Centromeres	140
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-01ER15234 10/31/2008 Rutland	SC-22.1	Terascale High-Fidelity Simulations of Turbulent Combustion with Detailed Chemistry (TSTC)	80
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	120
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-99ER14949 10/14/2009 Landis	SC-22.1	Mechanisms and Design in Homogeneous Catalysis	175
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-99ER14961 10/31/2006 de Pablo	SC-22.1	Fundamental Molecular Level Studies of the Role of Local Structure and Interactions on the Dynamics of Bulk and Confined Polymeric Glasses	50
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-04ER15565 03/15/2008 Sharkey	SC-22.13	Carbon Export from the Calvin Cycle in Plants and Protists	120
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-04ER15527 05/31/2010 Spalding	SC-22.13	Studies of Amino-Acid Signaling Mediated by Glutamate Receptors in Arabidopsis	120
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FC02-06ER54899 08/14/2011 Schnack	SC-24.2	Center for Wave Interactions With Magnetohydrodynamics	100
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-06ER54876 04/14/2008 Hegna, Corradini	SC-24.2	U.S. Burning Plasma Organization Activities	300
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FC02-06ER54870 02/14/2008 Schnack	SC-24.2	SciDAC Cooperative Agreement for CEMM/Transport and Dynamics in Toroidal Fusion Systems	152
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-06ER54868 06/30/2011 Schnack	SC-24.2	Transport and Dynamics in Toroidal Fusion Systems	313
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-90ER61057 10/31/2008 Revercomb	SC-23.3	High Spectral Resolution Observations for the ARM Program: Clear and Cloudy Sky Applications	169
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-01ER63249 09/14/2009 Liu, Kutzbach	SC-23.3	Towards the Prediction of Decadal to Centennial Climate Processes in the Coupled Earth System Model	295

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WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-04ER54762 02/14/2007 Whyte	SC-24.2	Disruption Mitigation Using High-Pressure Gas Jets: Extrapolation to Burning Plasma Experiments	150
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-04ER54745 02/14/2010 Santarius	SC-24.2	Atomic Physics Effects on Spherically Convergent, Child-Langmuir Ion Flow Between Nearly Transparent Electrodes	69
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	82
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FC02-02ER54668 02/14/2008 Sovinec	SC-24.2	Center for Extended Magnetohydrodynamic Modeling	140
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-02ER54679 08/14/2008 Shaing	SC-24.2	Modeling of Plasma Rotation in National Spherical Torus Experiment	52
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-01ER54619 01/14/2011 Shaing	SC-24.2	Neoclassical Theory and its Applications	168
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FC02-05ER54813 02/28/2010 Sovinec	SC-24.2	Plasma Center for Computational Predictability at Washington, Wisconsin, and Utah State Universities	80
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FC02-05ER54814 12/14/2009 Sarff	SC-24.2	Reversed Field Pinch Research in MST	5,835
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-06ER54850 04/30/2009 Sovinec	SC-24.2	Transients and Magnetic Relaxation in Innovative Confinement Concepts	99
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-FG02-05ER54821 03/14/2011 Pfothenhauer	SC-24.2	Cryogenic Optimization of D2 Pellet Injectors: Preparation for ITER-Scale Fusion Reactors	80
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-96ER54362 12/31/2008 Corradini	SC-24.2	Fusion Reactor System Safety Studies: Radioactive Dust Mobilization, Transport and Chemical Reactivity in ITER; Identifying Key Phenomena and	50
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-96ER54375 11/30/2009 Hegna, Corradini	SC-24.2	Plasma Studies at Near-Unity Aspect Ratio	970
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-93ER54222 01/31/2010 Anderson	SC-24.2	HSX: A Helically Symmetric Toroidal Experiment	1,490
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-92ER54139 04/30/2011 Callen	SC-24.2	Large Experiment Data Analysis Collaboration	151

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WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-89ER53291 12/14/2010 Terry	SC-24.2	Turbulence and Transport in Toroidal Plasmas	156
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-89ER53296 12/31/2010 McKee	SC-24.2	Multifield Fluctuation Diagnostics for Turbulence Studies in Tokamak Plasmas	439
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 12/31/2009 El-Guebaly, Henderson, Haynes, Kulcinski	SC-24.2	Fusion Advanced Design Studies	230
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-97ER54437 09/14/2009 Hershkowitz	SC-24.2	Laboratory Measurements of Bohm Presheaths: Experimental Check of Many of the Predicted Properties	210
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-00ER54576 01/14/2006 Moses	SC-24.2	Atomic Properties of High Energy Density Plasmas: Database Development of Inertial Fusion Energy Applications	0
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-00ER54603 12/31/2009 Forest	SC-24.2	Stabilization of Resistive Wall Modes Using Moving Metal Walls	229
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-99ER54546 12/31/2010 Hegna	SC-24.2	Theoretical Studies of Near Symmetric Stellarator Plasmas	145
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-06ER46327 07/31/2010 Eom	SC-22.22	Growth and Characterization of Atomic Layer Controlled MgB2 Thin Films	149
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-85ER53212 11/30/2009 Terry	SC-24.2	Theoretical Studies Related to Reversed Field Pinch Physics	202
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-86ER52131 09/30/2006 Lee, Larbalestier	SC-24.1	Understanding and Development of High Field Superconductors for Fusion	0
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-86ER53218 12/31/2009 Hegna	SC-24.2	Nonlinear and Nonideal MHD	292
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	110
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-04ER46147 05/31/2010 Evans	SC-22.21	Picosecond Dynamics in Complex Oxide Nanostructures	127
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	840

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
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	0
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-01ER45917 03/15/2006 Himpsel	SC-22.21	User-Friendly End Station at the ALS for Nanostructure Characterization	0
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-03ER46028 04/30/2010 Lagally	SC-22.23	Group IV Nanomembranes, Nanoribbons, and Quantum Dots: Processing Characterization, and Novel Devices	322
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-95ER40896 10/31/2010 Smith	SC-25	High Energy Physics Research: Experimental, Theoretical, Phenomenology, Mathematical	4,595
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-05ER41392 11/30/2006 Lee	SC-25	Magnetic Investigation of High Purity Niobium for Superconducting RF Cavities	0
WISCONSIN, UNIVERSITY OF Madison, WI	DE-FG02-04ER41351 08/31/2009 Prepost	SC-25	Development of Polarized Photocathodes for the Linear Collider	34
WISCONSIN, UNIVERSITY OF Milwaukee, WI	DE-FG02-84ER45076 10/31/2010 Saldin	SC-22.21	Electron Scattering from Surfaces	90
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 Surfaces	152
WISCONSIN, UNIVERSITY OF Milwaukee, WI	DE-FG02-06ER46328 08/14/2009 Gajdardziska-Josifov	SC-22.21	Atomic and Electronic Structure of Polar Oxide Interfaces	150
Total for WI :				27,112

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Name of Awardee	Award Number / Project End / Pr. Investigator	Divisio	Title	Funding (in Thousands) FY 2006
VIRGINIA UNIVERSITY RES. CORP. Morgantown, WV	DE-FG02-01ER45887 06/14/2006 Famouri	SC-22.22	Cold-Flow Circulating Fluidized-Bed Identification	0
VIRGINIA UNIVERSITY RES. CORP. Morgantown, WV	DE-FG02-00ER45829 12/31/2007 Bajura	SC-22.21	DOE/EPSCoR State Implementation Plan- -Integrated Computing, Communication, and Distributed Control of De-Regulated	0
VIRGINIA UNIVERSITY RES. CORP. Morgantown, WV	DE-FG02-03ER46042 05/31/2007 Scime	SC-22.21	Development of a Portable Laser Scattering Diagnostic for Short Wavelength Fluctuations in Laboratory Plasmas	0
VIRGINIA UNIVERSITY RES. CORP. Morgantown, WV	DE-FG02-06ER46299 07/31/2009 Bajura	SC-22.21	Direct Utilization of Coal Syngas in High Temperature Fuel Cells	700
VIRGINIA UNIVERSITY RES. CORP. Morgantown, WV	DE-FG02-06ER46267 12/31/2008 Koepke	SC-22.21	Laser-Induced Fluorescence Measurements on Plasma Science Experiments at Princeton Plasma Physics Laboratory	150
VIRGINIA UNIVERSITY RES. CORP. Morgantown, WV	DE-FG02-02ER25541 08/14/2007 Adjero	SC-21.1	Compression, Search, and Compressed Domain Analysis of Biological Sequences	0
VIRGINIA UNIVERSITY RES. CORP. Morgantown, WV	DE-FG02-06ER64148 11/14/2009 Cumming	SC-23.2	Exudation by Poplar Ectomycorrhizas: Qualitative and Quantitative Assessment of C Sequestration	389
Total for WV :				1,239

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 2006
WYOMING, UNIVERSITY OF Laramie, WY	DE-FG02-05ER64069 06/30/2009 Wang	SC-23.3	Using Radar, Lidar, and Radiometer Measurements to Classify Cloud Type and Study Middle-Level Cloud Properties	121
WYOMING, UNIVERSITY OF Laramie, WY	DE-FG02-06ER64272 07/14/2009 Hulme	SC-23.2	Expansion and Enhancement of the Wyoming Coalbed Methane Clearinghouse Website to the Wyoming Energy Resources Information Clearinghouse	481
WYOMING, UNIVERSITY OF Laramie, WY	DE-FG02-04ER15545 06/14/2007 Hurtubise	SC-22.1	Solid-Matrix Luminescence Analysis and Coupling Solid-Matrix Luminescence with Separation Methodology	0
WYOMING, UNIVERSITY OF Laramie, WY	DE-FG02-96ER14623 10/31/2006 Eggleston	SC-22.1	Multiscale Reactive Transport in Processes Related to CO2 Sequestration: Nanoscale Dynamics, Upscaling, and Non-Steady State Kinetics	0
WYOMING, UNIVERSITY OF Laramie, WY	DE-FG02-06ER15825 08/31/2009 Eggleston	SC-22.12	Waveguide Scanning Photocurrent Microscopy (WaSPM): A New Molecular Imaging and Characterization Tool	154
WYOMING, UNIVERSITY OF Laramie, WY	DE-FG02-06ER15823 08/31/2009 Eggleston	SC-22.12	Redox Interaction of Cytochromes and Bacteria with Oxide Surfaces: Probing Redox-Linked Conformation Change	99
WYOMING, UNIVERSITY OF Laramie, WY	DE-FG02-03ER46044 05/31/2007 Pierre	SC-22.23	Advanced Techniques for Power System Identification from Measured Data	0
WYOMING, UNIVERSITY OF Laramie, WY	DE-FG02-05ER46235 08/31/2009 Buttry	SC-22.23	eNMR for In-Situ Fuel Cell Catalyst Characterization	100
WYOMING, UNIVERSITY OF Laramie, WY	DE-FG02-05ER46185 06/01/2008 Roddick	SC-22.21	New Catalysts for Ionic Hydrogenations	149
Total for WY :				1,104
Grand Total:				633,447