

Appendix Three

Graduate Students Receiving Ph.D. Degrees in Physics and Astronomy

Year	Recipient	Thesis Advisor	Dissertation
1935	Hill, Donald M.	Winchester	“The Principal Expansion Coefficient of Single Crystals of Mercury”
1936	Downsbrough, G.	Atkinson	“The Damping of Torsional Oscillations in Quartz Fibers”
1939	Buc, George L.	Winchester/ Greenlees	“Ultraviolet Absorption Spectra of Three Related Olefines”
1949	Hsiang, Jen-Sen	Whitmer	“Theoretical Studies of Ferromagnetics”
1950	Hemenway, Curtis	Dunnington	“A Determination of the Ratio of Planck's Constant to the Charge of an Electron”
1950	Thomas, Jay T.	Torrey	“A Study of the Solid State by Means of the Nuclear Magnetic Resonance Pulse Technique”
1951	Baker, Paul E.	Whitmer	“A Study of the Dielectric Properties of Single Crystal Alums as a Function of Temperature at 9450 Megacycles per Second”
1951	Garfunkel, Myron	Serin	“A Study of the Formation of a Boundary Between Normal-Conducting and Super-Conducting Metal”
1951	Ginsburg, Irvin	Torrey	“Nuclear Resonance Studies of Hydrogen - Palladium Alloys”
1951	Gray, Sidney	Torrey	“A Study of the Long Pulse Method for Investigating Nuclear Magnetic Resonance Relaxation Times”
1952	Eschenfelder, A.	Weidner	“Saturation Effects in Paramagnetic Resonance Absorption”
1952	Gittleman, J.	Serin	“A Study of the Transition from the Superconducting State to the Normal

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			State of a Hollow Tin Cylinder in a Uniform Magnetic Field”
1952	Wright, Wilbur H.	Serin	“A Study of Phase Transition Phenomena in Superconductors”
1953	Kohane, Theodore	Torrey	“Nuclear Magnetic Resonance Studies of Hydrogen in Palladium”
1953	Lohman, Charles	Serin	“Superconductivity of Lead Isotopes”
1954	Greebler, Paul	Torrey	“Nuclear Magnetic Resonance Studies on Hydrogen in Tantalum, Titanium, and Zirconium”
1955	Brooks, Sidney	Weiss	“A Theory of Ferromagnetic Anisotropy at Low Temperatures”
1955	Segelken, Warren	Torrey	“Quadrupolar Splitting of the Nuclear Resonance Lines of Aluminum in Some Alums”
1955	Slonczewski, John	Weiss	“Band Theory of Graphite”
1956	Belson, Henry S.	Whitmer/ Weidner	“The Magnetic Resonance Spectrum of Dilute Iron Ammonium Alum as a Function Temperature”
1956	Budnick, Joseph	Lynton/ Serin	“I. The Magnetic Susceptibility of Tin and II. Flux Trapping in Impure Superconducting Tin”
1956	Shattes, Walter J.	Serin	“The Direct Measurement of the Ration of Thermal Conductivity to the Electrical Conductivity of Metals at Liquid Helium Temperatures”
1956	Trousdale, W.	Weidner	“Paramagnetic Resonance Saturation Effects in the One Centimeter Region Low Temperature Studies of Cesium Chromium Alum”
1957	Apgar, Edward G.	Torrey	“A Nuclear Magnetic Resonance Study of Hydrogen in Tantalum”
1957	Garfinkel, Marvin	Lindenfeld	“The Thermal Conductivity of Impure Tin at Liquid Helium Temperatures”
1957	Zucker, Melvin J.	Lynton/ Serin	“The Effect of Impurities on the Superconducting Transition Temperature and on the Electronic Specific Heat of Tin”

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1958	Alley, Phillip W.	Serin	“Temperature Dependence of the Resistivity of Dillute Alloys of Tin and Aluminum”
1958	Bennett, L. H.	Torrey	“Negative Proton Polarization by Double Magnetic Resonance”
1958	Simpson, James H.	Carr	“Temperature Dependence of Self-Diffusion and Nuclear Spin-Relaxation in Liquids”
1959	Chanin, Gerald	Serin/ Lynton	“Impurity Effects on the Superconductive Critical Temperature of Indium and Aluminum”
1959	Charap, Stanley H.	Weiss	“Pseudodipolar Anisotropy in Cubic Ferromagnets at Low Temperatures”
1959	Schick, Kenneth L.	Weidner	“Measurements of Relaxation Times in a Copper Tutton Salt at Liquid-Helium Temperatures”
1959	Silverman, B.	Weiss	“Polarization of the Electron Gas in Metals by Substitutional Impurities”
1959	Webb, Robert H.	Torey	“An Investigation of Enhanced Nuclear Polarizations in Solids at Low Temperature”
1960	Miller, Allen H.	Abrahams	“Impurity Conduction at Low Concentrations”
1960	Streever, Ralph L.	Carr	“A Nuclear Magnetic Resonance Study of Xenon”
1961	Gayley, Robert I.	Lynton/ Serin	“Low Temperature Specific Heat of Alloys of Tin”
1961	Kissinger, Paul B.	Weidner	“Measurements of Relaxation Parameters in Caesium Chromium Alum Samples by Paramagnetic Resonance Absorption Techniques”
1962	Joiner, William	Serin	“Superconducting Properties of Plastically Deformed Aluminum”
1962	Pennebaker, W.	Lindenfeld	“The Lattice Conductivity of Copper Alloys at Liquid Helium Temperatures”
1962	Schacher, Gordon	Torrey	“RF Induced Variation of Nuclear Relaxation Time in Dipolar Coupled Electron-Nuclear Spin Systems”

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1963	Baltzer, Philip K.	Weiss	“Contribution to Magnetic Anisotropy from Cations in Low Symmetry Crystalline Fields”
1963	Fried, David L.	Nishimura	“A Study, by Means of a Pseudoscalar Lee Model with Pairs, of Some of the Approximations Used in Computation of the Nucleon's Electromagnetic Properties” (1962)
1963	Hunt, Earle R.	Carr	“Nuclear Magnetic Resonance of Fluid Xenon”
1963	Kinsel, Tracy S.	Serin	“Magnetic Properties of a Superconductor of the Second Kind”
1963	Santarelli, Vincent	Pine	“Dielectric Dispersion of Liquids at Millimeter Wavelengths”
1964	McLachlan, David	Lindenfeld/ Lynton	“The Lattice Thermal Conductivity of Copper Alloys between 35 K and 4.2 K” (1963)
1964	Wilson, Donald K.	Abrahams	“Spin Resonance Experiments on Shallow Donors in Silicon & Germanium.” (1963)
1965	Chang, George K.	Serin	“Magnetic Transition of Thin Superconducting Films”
1965	Fenichel, Henry	Serin	“Low Temperature Specific heats of Solid Neon and solid Xenon”
1965	Freud, Paul J.	Rothberg	“Thermoelectric Power of Germanium as a Function of Pressure”
1965	Greenslade, T.	Lindenfeld	“The Thermal Conductivity of Indium and Indium Alloy Thin Films”
1965	Gurbaxani, S. H.	Weidner	“Relaxation of Diluted Nickel Fluosilicate at Low Temperatures by Steady-State Resonance Absorption Techniques”
1965	Karra, James S.	Torrey	“A Study of Rates of Relaxation of Dynamic Polarization of Nuclear Spins at Low Temperatures” (1964)
1965	Maxfield, Bruce	McLean	“The Superconducting Penetration Depth in Niobium” (1964)
1965	McConville, G.	Serin	“Specific Heat of Type II Superconductors in a Magnetic Field”

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1965	Skalski, Stanislaus	Weiss	“Two Problems in the Theory of Superconductivity” (1964)
1965	Turoff, Robert D.	Weidner	“An Experimental Study of Spin-Lattice Relaxation in Cesium Chrome Alum” (1964)
1966	Appleton, Billy R.	Gibson	“Channeling of Charged Particles in Single Crystals”
1966	Cohen, Roger	Abrahams	“Superfluid Helium-Three”
1966	Dubeck, Leroy	Lindenfeld	“The Thermal Conductivity of a Superconductor in the Mixed State”
1966	Kirsch, Lawrence	Plano	“The Three-Body Decays of the K Meson and the $\Delta S = \Delta Q$ Rule”
1966	Kramer, Paul R.	Plano	“ $\pi^+ p$ Elastic Scatterings at 2.35 and 2.90 BeV/c”
1966	Wessely, Robert	Abrahams	“Spin-Dependent Properties of a Fermi Liquid”
1966	Worobey, Walter	Serin	“The Thermoelectric Power of Gold Films”
1967	Brown, John S.	Horton	“Model Potentials in Lattice Dynamics” (1966)
1967	Dolce, Sanders	Robbins/ Gibson	“X-ray Energies, Emission Times and Yield in Cf^{252} Fission”
1967	Feldman, Carl	Horton	“The Second Order Quasi-Harmonic Elastic Constants” (1967)
1967	Feldman, Joseph	Horton	“The Lattice Dynamical Aspects of Some Thermal Properties of Ideal Monatomic Crystals” (1966)
1967	Feldman, Leonard	Gibson	“Large Angle Elastic Scattering of Energetic Protons in Silicon Single Crystals”
1967	Hays, Dan	McLean	“Quantum Oscillations in Helicon Propagation in Tin” (1966)
1967	Lenz, George	Temmer	“A Study of Isobaric Analogue Resonances in the Lead Region”
1967	Lurie, Joan B.	Horton	“On the Theory of Magnetic Shielding with Application to Solid and Gaseous Xenon”
1967	Marateck, Samuel	Plano	“ K^+ Three-body Leptonic Decay Modes”

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1967	Pratt, Thomas	Weidner	“Frequency Dependence of the Paramagnetic Relaxation in a Copper Tutton Salt at Liquid Helium Temperatures”
1967	Slagowitz, Martin	Kruse	“Proton Scattering from Heavy Rotational and Vibrational Nuclei” (1966)
1967	Soulen, Robert	Lynton/ Lindenfeld	“Thermal Conductivity and Magnetization of Type II Superconductors in the Gapless Region”
1967	Stoler, Paul	Kruse	“Proton Scattering from Nuclei with Collective Degrees of Freedom” (1966)
1968	Bertin, Michael	Koller	“Doppler Shift Lifetime Measurements in the Even Nickel Isotopes”
1968	Boyd, Douglas	Donovan	“The Proton-Neutron Final-State Interaction”
1968	Carlson, David	McLean	“Magnetic Flux-penetration in Type I Superconductors”
1968	Cohen, Harold	Harrington	“Approximate Solutions to the Bethe-Salpeter Equation and their Application to the Three Pion Problem”
1968	Fiarman, Sidney	Robbins	“Polarization Studies of Isobaric Analogue Resonances” (1967)
1968	Fiory, Anthony	Serin	“Transport Properties of the Type II Superconductors Niobium and Vanadium”
1968	Kafrissen, Edward	Rockmore	“Some Applications of Renormalization Theory to Relativistic Bound State Problems”
1968	Kleinfeld, Alan	DeBoer	“The Reorientation Effect in Cadmium and Tin Isotopes”
1968	Makofske, William	Kruse	“Proton Scattering from Even Tin, Cadmium, and Tellurium Isotopes”
1968	Michelman, Lionel	Robbins	“An Experimental Test of Distorted Wave Theory”
1968	Pass, Barry	Carr	“A Nuclear Magnetic Resonance Study of the Gas-Liquid Critical Point in Xenon”
1968	Rabin, Monroe	Plano	“Four- and Five-Body Reactions in π^+p Interactions at 8.5 GEV/c” (1967)
1968	Teitelman, Bernard	Temmer	“Isospin-forbidden Compound-nuclear Resonances in ^{25}Al and ^{29}P ”

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1968	Trefny, John	Serin	“The Specific Heats of Solid Xenon”
1968	Van Bree, Richard	Temmer	“T=3/2 States in A=13 and A=17 Nuclei”
1969	Altman, Melvin	Gibson	“Thermal Effects in the Passage of Charged Particles Through Single Crystals”
1969	Del Vecchio, L.	Lindenfeld	“Thermal Conductivity of Type II Superconductors Near the Upper Critical Field”
1969	Einstein, Fred	Pine	“Far-Field Diffraction by Semi-Infinite Planes and by Strips”
1969	Fink, Tobin	Koller	“Internal Conversion Coefficients in ⁵⁷ Fe, ^{119m} Sn and ¹⁹⁵ Pt” (1968)
1969	Glass, Howard	Weissman	“Synergy of Line Profile Analysis and Selected Area Topography of Beryllium by the X-Ray Divergent Beam Method”
1969	Goldberg, Robert	Plano	“Low-Energy Anti-Proton Proton Elastic Scattering in the Energy Range from 10 MeV to 80 MeV Incident Kinetic Energy”
1969	Goode, Philip R.	Zamick	“Theory of Non-Normal Parity Spectra of Nuclei in the A=40 Region”
1969	Kushnir, Alan	McLean	“Helicon Resonances in the Intermediate State”
1969	Mac Donald, John	Pine	“Dielectric Dispersion in Liquids” (1968)
1969	McConnell, Robert	Lindenfeld	“Thermal Conductivity Measurements of Gapless Behavior Induced by the Proximity Effect”
1969	Norem, James	Plano	“Interactions of 290 MeV/c Positive Pions with Deuterium”
1969	Rudin, Robert	Harrington	“Theory of Double Charge Exchange Scattering of Pions from ³ He at High Energy”
1969	Savin, William	Kruse	“Elastic and Inelastic Scattering of Complex Particles from Vibrational Nuclei” (1968)
1969	Smith, Robert	McLean	“Studies of Superconducting Lead Films: Proximity Effects and

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			Fluctuation Effects Above the Transition Temperature”
1969	Vig, John	Serin	“The Effect of Localized Moments On the Resistivity of Dilute Zn-Mn alloys”
1970	Becker, Stephen	Harrington	“Three-Alpha Model of C12” (1969)
1970	Buchanan, J.	Serin	“The Specific Heat of Lead from 3K to 200K”
1970	Ehrlich, Robert	Carr	“A NMR Study of diffusion in Dense Fluid Xenon” (1969)
1970	Gasparovic, R.	McLean	“The Superconducting Penetration Depth in Lead” (1969)
1970	Goldman, Victor	Horton	“Lattice Dynamics of Solid Neon in the Self Consistent Phonon Approximation”
1970	Kanegsberg, E.	Carr	“A Nuclear Magnetic Resonance Study of the Temperature and Density Dependence of the Local Magnetic Field in Xenon Gas”
1970	Krebs, George	Plano	“Strange Particle Production in π +p Interactions at 8.5 GeV/c”
1970	Newrock, Richard	Serin	“Susceptibility and Resistivity of Zn-Mn Alloys: The Kondo Effect”
1970	Pollina, Richard	Lüthi	“Critical Attenuation of Sound at Magnetic Phase Transitions”
1970	Redi, Martha	Abrahams	“Fluctuations in Superconductive Films in a Magnetic Field” (1969)
1970	Siegel, Stanley	Zamick	“Effective Operators in Nuclei”
1970	Simon, Joel	Pagnamenta	“Three-Body Sector of Static Models” (1969)
1970	Steadman, Stephen	Temmer	“Reorientation Experiments in the Even-Mass Cadmium Isotopes: Thick Target yields and Gamma Ray Angular Distributions”(1969)
1970	Wiesen, Marilyn	Temmer	“Isobaric Analog Studies in the Osmium and Platinum Mass Region”
1970	Wolf, Stuart	Lindenfeld	“Superconductivity in Silver”
1970	Zinchenko, Anatol	Plano	“Study of K ⁺ Decays into Three Pions” (1969)
1971	Gamper, Kurt	Serin	“Constant-Volume Specific Heat of Solid Argon and Xenon” (1971)

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1971	Longo, Robert	Pifer	“A Study of Localized Iron Magnetic Moments in Degenerately Doped Silicon” (1970)
1971	Mizusaki, Takao	Serin	“Fluctuation in Superconducting Lead Films Above the Transition Temperature”
1971	Nieporent, Richard	Plano	“A Study of Proton-Proton Interactions at 25 GeV/c in the Four-Prong Final State” (1970)
1971	Sichel, Enid	Serin	“The Thermal Hall Effect in Superconductors”
1971	Vosburgh, Kirby	Devlin	“A Precision Measurement of the Mean Life-time of the Long-Lived Neutral K^0 Meson”
1972	Arking, Raymond	Robbins	“A Study of Analog Resonances in Odd Isotopes of Antimony”
1972	Fenton, Jeffrey	Kruse	“Observation of Two-Hole States by the $^{39}\text{K}(3\text{He},\alpha)^{38}\text{K}$ Reaction” (1971)
1972	Gong, Cheng-Jyi	Koller	Measurement of a Shell Spin Polarization of Fe in Iron Metal and Fe_2O_3 ”
1972	Hirvonen, James	Gibson	“Investigation of Ion Implantation in Silicon Using Particle Channeling” (1971)
1972	Lee, Jeffrey	Plano	“ Vo and $\text{Vo-}\gamma$ Production in 24.9 GeV/c and 28.6 GeV/c Proton-Proton Interactions” (1971)
1972	Lombardi, James	Robbins	“Nuclear Size in Calcium Isotopes and N Equal 28 Isotones”
1972	Moran, Thomas	Lüthi	“Ultrasonic Sound Propagation Near Magnetic Phase Transitions” (1971)
1972	Moskowitz, M.	Lindenfeld	“The Dependence of Thermal Conductivity on Magnetic Field Direction in Superconducting Thin Films” (1971)
1972	Ramos, Edmundo	Serin	“Properties of Dilute Silver Manganese Alloys”
1972	Sanchez, Daniel	Serin	“Thermal Conductivity of the Kondo Superconductor Zn-Mn”
1972	Steingart, Marvin	Glaberson	“Temperature Dependence of the Vortex Core Radius in HeII”

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1972	Tape, James	Koller	“The Measurement of Short Nuclear Lifetimes in ^{40}Ca and ^{48}Ca ”
1972	Yukawa, Tetsuyuki	Yoshida	“A Microscopic Theory of Complex Collisions”
1973	Beardsworth, Ed.	MacDonald	“Double Gamma Decay in ^{40}Ca ” (1972)
1973	Bednar, Joseph	McCaughey	“Hydrogen Charge Fractions For collisions of H^- on He, Ne, Ar, Kr, and Xe”
1973	Cornfeld, Arthur	Carr	“The Liquid-Vapor Coexistence Curve and Critical Region of Xenon”
1973	Flicker, J.	Leath	“Lattice Thermal Conductivity in High Concentration Disordered Crystals”
1973	Hensler, Ralph	Koller	“Nuclear Magnetic Moment Measurements in ^{54}Fe and ^{40}Ca ”
1973	Hubler, Graham	Murnick	“Magnetic Dipole Moments of Very Short-Lived Nuclear States by the Transient-Field Implantation Angular Correlation Method” (1972)
1973	Williams, Mary	Kruse	“Neutron Correlations in the ^{41}K Ground State and Two Particle-Two Hole States in ^{40}K ”
1974	Chang, Jhy-Jiun	Langreth	“Many-Body and Surfaces Effects in Solids: Plasmon Effects in High Energy Spectroscopy”
1974	Magno, Richard	Pifer	“A Conduction Electron Spin Resonance Study of Bimetallic Samples”
1975	Davis, Steven	Glashausser	“Study of Inelastic Proton Scattering at Isobaric Analog Resonances” (1974)
1975	Eytel, Lawrence	Murnick	“Temperature Dependence of Hyperfine Magnetic Fields at Rare Earth and Transition Impurities Recoil Implanted into Iron and Nickel Hosts” (1974)
1975	Filler, Raymond	Lindenfeld	“The Heat Capacity and Thermal Conductivity of Granular Aluminum”
1975	Handler, Thomas	Plano	“Strange Particle Production in $\bar{p}p$ Annihilations at 1.23 - 1.35 GeV/c”
1975	Haynes, C. Fred	Glashausser	“A Study of Isobaric Analog Resonances in ^{89}Y ”

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1975	Johnson, Warren	Glaberson	“Positive Impurity Ions in Superfluid Helium”
1975	Kanney, Lynna	Horton	“The Thermodynamic Properties of Solid Krypton in the High Temperature Limit”
1975	Mullen, Michael	Lüthi	“Ultrasonic Investigations of the Jahn-Teller Effect”
1975	Robinson, Barry	Sannes	“The Inclusive Reactions pN pX between 50 and 400 GeV” (1974)
1975	Sato, Hiroshi	Yoshida	“Charge Asymmetry of T=1 States of the A=42 Nuclei”
1975	Segal, Harvey	McLean	“Microwave Surface Resistance of Superconducting Niobium” (1974)
1975	Sharp, Richard	Zamick	“Nuclear Structure with Skyrme Interactions” (1974)
1975	Watson, Brian	Leath	“Percolation Conductivity in Resistor Networks”
1976	Amato, Joseph C.	McLean	“A Study of Time-Dependent Superconductivity by the Harmonic Generation Technique” (1975)
1976	Collins, Gary S.	Koller	“Temperature Dependence of Nuclear Quadrupole Interaction in Tin Metal”
1976	Dickey, Jean	Lovelace	“Duality Diagram Predictions from Resonance Background and Their Application to Phase-Shift Analysis”
1976	Golin, Michaela B.	Zamick	“Various Aspects of the Effective Nuclear Interaction” (1975)
1976	Leuca, Ioan	Temmer	“Studies of Neutron Channels Effect on the Compound Nuclear Lifetime in Even Isotopes of Germanium”
1976	Michaelson, Paul	Pifer	“An Electron Paramagnetic Resonance Study of Iron in Phosphorus Doped Silicon” (1975)
1976	Preissner, Hartmut	Plano	“Search for Massive Narrow Mesons in pd Interactions at 15 GeV/c” (1975)
1976	Ulrickson, M.	Koller	“Studies on Highly Ionized Atoms Using Internal Conversion: ^{197}Au ^{57}Fe ” (1975)
1977	Jaqaman, Henry	Mekjian	“The Nucleus-Nucleus Potential”

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1977	Kantor, Elliot P.	Temmer	“An Investigation of Compound Nuclear Lifetimes in the Presence of Direct Processes”
1977	Mansfield, Dennis	Lüthi	“Far Infrared Laser Spectroscopy of ErFeO_3 ”
1977	Rao, Kameswara	Harrington	“Absorption Corrections to Particle Production Amplitudes” (1976)
1977	Wang, Ping-Shih	Lüthi	“Rotational Invariance and Magnetoelastic Phenomena in Paramagnets”
1977	Wong, Ning-Chih	Huang	“A Study of Critical Phenomena in Binary Liquid Mixture of Methanol + Cyclohexane System” (1976)
1978	Bomberowitz, R.	Sannes	“A Measurement of the pp Elastic Differential Cross Section at Incident Momenta of 30, 100 and 200 GeV/c ” (1977)
1978	Edelman, Brian	Devlin	“A Hyperon Polarization in λ -p Elastic Scattering in the Range $60 < p\lambda < 380$ GeV/c ” (1977)
1978	Galayda, John N.	Lovelace	“The Sisyphus Effect - a Calculating of Space Charge Repulsion in a Migma” (1977)
1978	Metz, Phillip D.	Lovelace	“The Effective Potential in the Effective Mass Approximation”
1978	Rosner, Joel	Temmer	“Axial Channeling in Thin Crystals: A Quantitative Investigation of Transmission Spectra” (1977)
1979	Beckett, James	Carr	“The Temperature and Density Dependence of the Indirect Nuclear Spin-Spin Interaction in HD”
1979	Brennan, Joseph	Koller	“The Dynamic Magnetic Field: It's Phenomenology and Application to the Measurement of Magnetic Dipole Moments of Short-Lived Nuclear States”
1979	Giri, Mylar	Stephen	“Percolation Problems and Dilute Magnetic Systems”
1979	Hsu, Yen-Hwa	Lindenfeld	“Thermal Conductivity of Granular Aluminum” (1978)

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1979	Kaita, Robert	Glashausser	“Study of Nonstatistical Structures in the Compound Nucleus using Polarized Proton Beam” (1978)
1979	Ou, Tung Ching	Watts	“Neutral Strange Particle Production in π -p Collisions at 147 GeV/c”
1979	Reich, Gary	Leath	“Percolation and Perimeter Distributions” (1978)
1979	Schachinger, L.	Devlin	“The Magnetic Moment of the Lambda Hyperon” (1978)
1979	Yarmchuk, Ed	Glaberson	“An Investigation of Effects Associated with Thermal Counterflow in Rotating Superfluid” (1978)
1980	Chainer, Timothy	Kojima	“Size Effects in Superfluid ^3He ”
1980	Erlichson, Herman	Lovelace	“NN Scattering and Exotic Mesons”
1980	Gillman, Arthur	Zapolsky	“A Relativistic Treatment of Optically Thick Spherical Accretion” (1979)
1980	Gundersen, Steven	Bronzan	“The Effect of Higher Single-Site States in the Reggeon Quantum Spin Model” (1979)
1980	Leese, John G.	Horton	“Lattice Dynamics with Short-Range Correlations Applied to Two-Phonon Raman Scattering”
1980	Vause, Chester A.	Sak	“Non-Ising-like Critical Behavior of the Liquid-Vapor Transition” (1979)
1981	Andereck, Barbara	Abrahams	“Numerical Studies of Transport Quantities in One- and Two-Dimensional Disordered Systems” (1980)
1981	Andereck, Claude	Glaberson	“An Investigation of Tkachenko Oscillations in Rotating He II” (1980)
1981	Andrei, Eva	Glaberson	“Investigation of Fourth Sound Propagation in Helium II in the Presence of Superflow”
1981	Bruno, John D.	Sak	“Critical Behavior of Compressible Magnets” (1980)
1981	Heller, Urs M.	Bronzan	“The String Tensional in Two Plus One Dimensional Compact Lattice Quantum Electrodynamics for All Couplings: A Variational Calculation”

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1981	I, Lin	Johnson	“Ionization Fluctuations in Collisional Ionizing Shock Waves”
1981	Senba, Masayoshi	Raghavan	“Temperature Dependence of Hyperfine Fields at SP-Impurities in FCC-Cobalt Studied by Nuclear Spin Precession Following Heavy-Ion Reaction” (1980)
1981	Shu, N. K. Bochir	Koller	“The Transient Magnetic Field and Its Application to the Measurement of Nuclear Magnetic Moments”
1981	Talukdar, S.	Sak	“Free Energy for the Lifshitz Point in the Disordered Phase and Mobility of Piezo-Polaron at Low-Temperature”
1982	Abbas, Afsar	Zamick	“Systematics of Effective Charge, Electric and Spin Vibrations”
1982	Chui, Talso	Lindenfeld	“Conduction Processes in Granular Aluminum Near the Metal-Insulator Transition and the Normal-Superconductor Transition” (1981)
1982	Deck, Leslie	Devlin	“The Polarization and Magnetic Moment of the Sigma Minus Hyperon”
1982	Ramaiah, Raghu	Johnson	“Plasma Instability in the Presence of Negative Ions”
1982	Rameika, Regina	Devlin	“The Polarization and Magnetic Moment of the Cascade Minus Hyperon”
1983	Chitanvis, Shirish	Leath	“Localization Studies in Two-Dimensional Disordered Electronic Systems” (1982)
1983	Cruz, John	Devlin	“The Differential Cross Section for Antiproton + Proton \rightarrow Antilambda + Lambda from 1.5 to 3.1 GeV/c”
1983	Jones, Kevin	Glashausser	“Elastic and Inelastic Scattering of Polarized Protons from Carbon-12 at 400, 600, and 700 MeV” (1982)
1983	Levine, Howard	Croft	“Experimental Studies of Several Cerium-Aluminide-Based Kondo Compounds” (1982)
1983	Luk, Kam-bui	Devlin	“A Study of the Omega Minus Hyperon”

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1983	Yang, Tungsheng	Koller	“Magnetic Hyperfine Interactions in Alpha-Ferric Oxide”
1984	Bandyopadhyay, B.	Lindenfeld	“Hall Effect in Granular Aluminum”
1984	Kariotis, Robert	Stephen	“Diffusion on a One-Dimensional Disordered Lattice” (1983)
1984	Kumar, Jayant	Silvast/ Wood/ Koller	“Behavior of Self Trapped Excitons at High Densities in Potassium Iodide Single Crystals at 77 Degrees” (1983)
1984	Lin, Chen-Ken	Zamick	“Effects of core Deformations and Collective Rotational currents on Electron-Nucleus Magnetic Form Factors” (1983)
1984	Tutunjian, Vatche	Harrington	“Pauli Correlation and Spin Effects in Intermediate Energy Proton-Nucleus Inelastic Scattering”
1985	Bahder, Thomas	Sak	“An Integrable Model of a One-Dimensional Metal with Magnetic Impurities” (1984)
1985	Ballou, Douglas	Koller	“Magnetic Dipole Moment Measurements of Picosecond States in Even and Odd Heavy Nuclei”
1985	DiMarco, Robert	Plano	“Interactions of Hadrons with Heavy Nuclei at 200 GeV/c”
1985	Kim, Mokyang	Glaberson	“An Investigation of Vortex Dynamics in Two-Dimensional Superfluid Films of Helium-4”
1985	Maina, Ezio	Farrar	“Large Angle Compton Scattering Off Baryons in Perturbative QCD”
1985	Meitzler, Charles	Temmer	“Polarization-Analyzing Power Theorem as a Test of Time Reversal Invariance in the Strong Interaction” (1984)
1985	Min, Jen-Fa	Shapiro	“A Hamiltonian Monte Carlo Calculation in Two-Dimensional Su2 QCD with Fermions”
1985	Mui, Ken-Chuen	Lindenfeld	“Inelastic and Spin-Orbit Scattering from Magnetoresistance Measurements in Granular Aluminum” (1984)

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1985	Nanda, Shirish	Glashausser	“Spin Excitations in Calcium-48 and Zirconium-90 with 319 MeV Protons” (1984)
1985	Ruel, Rene	Kojima	“Magnetically Driven Superflow in the Helium-3 A1 Phase”
1985	Shrader, Chris	Matilsky	“Extra-Galactic X-Ray Sources and the Diffuse X-Ray Background”
1985	Shung, Kenneth	Langreth	“Many-Body Effects in core-Hole Spectra of Simple Metals” (1984)
1985	Sin, Hee-Kyoon	Lindenfeld	“Magnetoresistance Measurements on Both Sides of Metal-Insulator Transition in Granular Aluminum”
1986	Bell, Curtis	Temmer	“Optical Pumping and Laser Induced Nuclear Orientation of a Microsecond Isomeric Level in ¹³⁴ Ba”
1986	Besson, Dave	Sannes	“Radiative Decays of the C-Upsilon(1S) Meson”
1986	Hu, Chong Der	Langreth	“Spin Polarization and Beyond the Random Phase Approximation in Nonlocal Density Functional Theory” (1985)
1986	Johannesson, L.	Sak	“Exact Solution of the Integrable SU(N) Heisenberg Model in Higher Dimensional Representations” (1985)
1986	Neifeld, Richard	Croft	“The systematics of Valence Variation in Cerium determined by L(III) Absorption” (1985)
1986	Peterson, Priscilla	Devlin	“The Sigma-Lambda Transition Magnetic Moment” (1985)
1987	Adams, Phillip	Glaberson	“A Direct Measurement of Vortex Diffusivity in Thin Films of Helium-4” (1986)
1987	Ahn, Seung-Chang	Watts	“Beam Jet Structures in Soft and Hard Proton-Proton Collisions at $\sqrt{s}=27.4$ GeV” (1986)
1987	DiMarzio, Donald	Croft	“Magnetism and Mixed Valence in Europium Compounds Under Pressure”
1987	Liu, Huan	Zamick	“Selected Magnetic Properties of the Atomic Nuclei”

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1987	Min, Yu Hua Lee	Pifer	“Preparation and Characterization of Silver and Zinc-Oxide Heat Mirrors”
1987	Perez, Ignacio	Croft	“Spectroscopic Studies of Mixed Valent Cerium - Transition Metal - Boride Compounds and Transition Metal - Aluminum Compounds”
1987	Thorbergsson, G.	Sak	“The Mobility of Acoustic Polarons at Very Low Temperatures”
1987	Zhang, Qiwei	Lebowitz	“Nonequilibrium Steady States of a Stochastic Model System”
1988	Cwilich, Gabriel	Stephen	“Coherent Propagation of Waves Through a Random Medium”
1988	Lee, Chung-Sik	Raghavan	“A Study of Spin Density Oscillations of Conduction Electrons in Iron(1-x)-Germanium(x) Alloys using TDPAD Technique.
1988	Maes, Christian	Lebowitz	“Rigorous Results in Equilibrium and Non-Equilibrium Statistical Mechanics”
1988	Yang, Li-You	Pifer	“Optical and Photoemission Studies of Amorphous Semiconductor Interfaces and Ultra Thin Layers”
1989	Altner, Bruce	Matilsky	“Ultraviolet Properties of Hot Stars in Globular Clusters” (1988)
1989	Jisrawi, Najeh	McLean	“Superconducting Properties of Ion-Implanted Gold-Silicon Thin Films”
1989	Kunchur, Milind	Lindenfeld/ Mclean	“Superconductivity Near the Metal-Insulator Transition in Granular Aluminum” (1988)
1989	Lenner, Gerald	Koller	“G-Factor Measurements of Short-Lived Excited States in Odd Rhodium, Cadmium, and Tellurium Nuclei” (1988)
1989	Lu, Sing Teh	Kojima	“Studies of Magneto-Hydrodynamics of Superfluid Helium-3 in High Magnetic Field”
1989	Mei, Ping	Venkatesan	“Mixing of III-V Compound Semiconductor Superlattices”
1989	Miller, Theodore	Lindenfeld/ McLean	“The Effect of Enhanced Spin-Orbit Scattering on the Superconducting-NonSuperconducting Transition and the

Physics and Astronomy Ph.D. Degrees

			Metal-Insulator Transition in Granular Aluminum" (1988)
1989	Potting, Robertus	Shapiro	"Canonical Structure of String Field Theory" (1988)
1989	Tiwari, Rajive	Glaberson	"Superfluidity in ^3He - ^4He Mixtures"
1989	Wu, Xin Di	Venkatesan	"High T(C) Oxide Superconducting Thin Films"
1989	Zhang, You Zhu	Lindenfeld/ McLean	"The Effect of Preparation Method on Superconducting Critical Temperature and other Properties in Granular Aluminum"
1989	Zhang, Zhen-yu	Langreth	"Energy and Phase Relaxations of Adsorbate Vibrations at Surfaces via Interaction with Electron-Hole Pairs or Phonons (Energy Relaxations)"
1990	DeAngelis, Alfred	Mekjian	"Thermodynamical Models of Multifragmentation in Nuclear Systems" (1989)
1990	Diehl, H. Thomas	Thomson	"Omega Minus Polarization and Magnetic Moment"
1990	Flaugher, Brenna	Devlin	"Measurement of QCD Jet Broadening in Proton-Antiproton Collisions at $\sqrt{s} = 1.8 \text{ TeV}$ " (1989)
1990	Gong, Zhaoxin	Horton	"Theoretical Study of the Thermal and Elastic Properties of Alkali Halides"
1990	Hu, Ping	Devlin	"Search for Supersymmetric Particles in $\overline{p}p$ Collisions at $\sqrt{s} = 1.8 \text{ TeV}$ "
1990	Ladinsky, Glenn	Farrar	"The three Jet Process in Virtual Photon-Photon Annihilation" (1989)
1990	Liang, Gan	Croft	"Mixed-Valent, Kondo and Heavy-Fermion Behaviors in CeMn_2Si_2 -based 3d Magnetic Host Series"
1990	Mitra, Sreeparna	Croft	"Determination of Magnetic Penetration Depth of High T(C) Superconductors from High Field Magnetization Measurements" (1989)
1990	Park, Il-Hung	Schnitzer	"QCD Studies from Multi-Jet Events Produced in electron-Positron Annihilations at Tristan" (1989)

Physics and Astronomy Ph.D. Degrees

1991	Alexander, Francis	Lebowitz	“Lattice Models in Nonequilibrium Statistical Physics”
1991	Allen, Letty	Paalanen/ Bhatt/ Lindenfeld	“Magnetic Interactions and the Metal-Insulator Transition in Niobium-Substituted Silicon films”
1991	Bang, Yunkyū	Abrahams	“Superconductivity in the Three Band Extended Hubbard Model”
1991	Brinkman, M.	Cizewski	“Superdeformation in the $A \approx 190$ Mass Region and Shape Coexistence in ^{194}Pb ”
1991	Colgan, Michael	Murnick	“Electron Kinetics in RF Glow Discharges in Argon”
1991	DeProspero, D.	Kalelkar	“Charged Current Neutral Strange Particle Production in Neutrino-Neon Collisions”
1991	Green, Andrew	Glashausser	“The Spin Response of ^{40}Ca at 500 and 580 MeV”
1991	Jeon, Yongseog	Croft	“X-ray Absorption Near-Edge Studies of Electronic Structure and Lattice Structure”
1991	Jiang, Q.	Kojima	“Magnetic and Flow Relaxation in Superfluid $^3\text{He-I}$ Phase”
1991	Liu, Shudun	Horton	“Theoretical Studies of Quantum effects in Solids Using Effective Potential and Monte Carlo Methods”
1991	Lu, Fulong	Croft	“X-ray Absorption Studies of Mixed Valent Rare-Earth Transition Metal Systems”
1991	Vadlamannati, S.	Lindenfeld	“Enhanced Kosterlitz-Thouless Transitions in $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ / $\text{PrBa}_2\text{Cu}_3\text{O}_{7-x}$ ”
1991	Zheng, Dao-Chen	Zamick	“New Directions for Spin and Orbital Modes in Nuclei”
1992	Gan, Junwu	Coleman	“HeavyFermion Magnetism”
1992	Henry, Roland	Cizewski	“Single-Particle and Collective Structures in Tellurium Nuclei”
1992	Haramoto, Robert	Sak	“Biaxial Order in Liquid Crystals and Spin Nematics”
1992	Inam, Arun	Venkatesan	“Superconducting Properties of Epitaxial $\text{YBa}_2\text{Cu}_3\text{O}_7$ Thin Films”

Physics and Astronomy Ph.D. Degrees

1992	Jiang, Qing-Tang	Gustasson	“Ion Scattering Studies of Surfaces and Interfaces”
1992	Kemly, Edward	Croft	“An Experimental and Modeling Study of Europium 1:2:2 Materials”
1992	Vaughan, T.	Bronzan	“A Hamiltonian Study of Lattice Quantum Chromodynamics with Dynamical Quarks”
1992	Vilk, Yury	Ruckenstein	“Correlation Effects in Two-Dimensional Electron Systems Realized in Quantum Well Structures and on the Surface of Liquid Helium”
1992	Yang, Hua	Carr	“NMR Imaging Studies of Temperature Quenching in the Liquid-Vapor Critical Region”
1992	Yang, Shu	Bartynski	“Electronic Structure and Dynamics of Metal and Metal-Covered Surfaces”
1993	Bathas, Georgios	Neuberger	“Non-Perturbative Methods in Elementary Particle Physics”
1993	Cakir, Mesut	Farrar	“A Search for Light Quinos and Heavy Quark Effective Field Theory”
1993	Chen, Jie	Croft	“Transition Metal Interactions as Probed by X-Ray Absorption Spectroscopy”
1993	Farris, Lorenzo	Cizewski	“Gamma-Ray Spectroscopy of ^{174}Hf at Low Angular Momentum”
1993	Garrison, Karl	Bartynski	“Electronic Properties of GaAs Surfaces as Characterized by Inverse Photoemission and Auger Photoelectron Coincidence Spectroscopy”
1993	Lauko, Mary	Kalelkar	“Proton Production in Neutrino-Neon Collisions in the 15-ft Bubble Chamber at Tevatron”
1993	Lei, Ning	Croft	“Synchrotron X-Ray Scattering Studies on the Interaction and Undulation of Very Flexible Surfactant Fluid Membranes”
1993	O’Loughlin, M.	Banks	“Hawking Evaporation and Quantum Gravity in Two Dimensions”

Physics and Astronomy Ph.D. Degrees

1993	Pan, Jianmei	Madey	“The Titanium Dioxide (110) Surface: Structure, Reactivity, Metal/Oxide Interfaces”
1993	Shao, Hongxiao	Langreth	“The Effect of Large Intra-Atomic Correlation on Charge Transfer Dynamics in Atom-Surface Collisions”
1993	Vinson, Jon	Schnetzer	“A Search of Iso-singlet Heavy Quarks in e^+e^- Annihilation”
1993	Zhizhong, Zhang	Sak	“Renormalization Group and Interacting Electron Systems”
1993	Zhou, Jin-Bao	Gustafsson	“Structure and Metal Overlayer Growth on Oxide Surfaces”
1994	Beatty, David	Gillman	“Pion Double Charge Exchange on ^{16}O Above the Delta Resonance”
1994	Bernstein, Lee	Cizewski	“The Onset of Collectivity in Neutron-Deficient $^{200,198,196}\text{Po}$ ”
1994	Gebhardt, K.	Pryor	“Dynamics of Globular Clusters”
1994	Ghoshal, Subhir	Zamolodchikov	“Integrable Quantum Field theory with a Boundary”
1994	Kwak, K. W.	Vanderbilt	“A first-Principles Study of Point Defects in Zinc Selenide”
1994	Li, Ye	Langreth	“Geometric Structure and Copper Adsorption Potentials of MgO (001) Surface”
1994	Miranda, Eduardo	Coleman	“Novel Approach to Heavy Fermion Superconductivity”
1994	Moeller, Goetz	Ruckenstein/ Kotliar	“The Projected Self-Consistent Method: Resolving Low-energy Scales in Correlated Electron Systems”
1994	Nair, Lekha	Madey	“Electron Stimulated Desorption of Halogenated Molecules on Ruthenium (0001) Surface”
1994	Papenhausen, Paul	Pryor	“The Search for Mass Segregation in Star Clusters of the Magellanic Clouds”
1994	Piatek, Slawomir	Pryor	“Mass-to-Light Ratios in Dwarf Spheroidal Galaxies and Globular Clusters”
1994	Ramamoorthy, M.	Vanderbilt	“The Structural and Electronic Properties of the Surfaces of TiO_2 ”

Physics and Astronomy Ph.D. Degrees

1994	Rozenberg, M.	Kotliar	“Correlated Electron Systems in the Limit of Infinite Dimensions”
1994	See, Kai-Hung	Bartynski	“Electronic Properties of Clean and Metal-Covered Titanium Dioxide (110) Surfaces”
1994	Stariris, P.	Gustafsson	“Structural Studies of Clean and Adsorbate Covered fcc Metal Surfaces”
1994	Tao, Hui-Shu	Madey	“The Adsorption and the Decomposition of Phosphorus Containing Molecules on Metal Surfaces”
1995	Chim, Leung Hok	Zamolodchikov	“Integrable Field Theory of Two-Dimensional Off-Critical Q-States Potts and Tricritical Potts Model”
1995	Fayache, M.	Zamick	“Medium Modification of the Nucleon-Nucleon Interaction: The Tensor Interaction”
1995	Gu, Ping	Thomson	“Measurements of Neutral Kaon Decaying to Four Leptons”
1995	Gunal, Yuksel	Bronzan	“A Hamiltonian Study of Lattice Quantum Chromodynamics Without Fermions”
1995	Jones, Roy	Pryor	“Structural Parameters and Stellar Populations of the Galactic Globular Clusters M13 (NG:C 6205) and NGC 6535”
1995	Menna, Louis	Andrei, E.	“Escape of Electrons from Surface States on Liquid Helium”
1995	Sahiner, Mehmet	Croft	“The Local Electronic and Crystal Structure of Transition Metal and Group III A-VII Oxides Probed by X-Ray Absorption Spectroscopy”
1995	Zou, Yu	Thomson	“Search for CP Violation in the Decay of the Short-Lived Neutral Kaon”
1996	Acocella, Dominic	Horton	“A Study of the Fundamentals of Modern Lattice Dynamics with an Application to Quantum Crystals”
1996	Baird, Kenneth G.	Plano	“Strange Particle Production in Hadronic Z^0 Decays”
1996	Barle, Stanko	Ruckenstein	“Systems with Many Degrees of Freedom: From Mean Field Theories of

Physics and Astronomy Ph.D. Degrees

			Non-Fermi Liquid Behavior in Impurity Models to Implied Binomial Trees for Modeling Financial Markets”
1996	Chase, Kevin	Mekjian	“Statistical Theories of Fragmentation and Nuclear Disassembly”
1996	Chatterjee, R.	Zamolodchikov	“Quantum Field Theory of Critical and off Critical 2-D Ising Model with Boundary Magnetic Field”
1996	Hawk, Carol M.	Devlin	“The Lead Jet Pseudorapidity Distribution of Direction Photon Events in p-p(bar) Collisions at $\sqrt{s} = 1.8$ TeV”
1996	Hemmick, D.	Lebowitz	“Hidden Variables and Nonlocality in Quantum Mechanics”
1996	Jerez, Andres	Andrei, N.	“Solution of the Anisotropic Multi-Channel Kondo Model”
1996	Kajueter, Henrik	Kotliar	“Interpolating Perturbation Scheme for Correlated Electron Systems”
1996	Kumaran, K.	Andrei, N.	“Statistical Physics of Visual Perception”
1996	Laberge, Claude	Lebowitz.	“Study of Various Models Describing Non-Equilibrium Systems”
1996	Lidsky, David	Ioffe	“Low Dimensional Electron Systems and Josephson Arrays”
1996	Losada, Martha	Farrar	“The Electroweak Phase Transition in the Minimal Supersymmetric Standard Model”
1996	Matthews, John	Thomson	“Measurement of the CP violation Parameter $\eta_{\pm\gamma}$ ”
1996	Novak, D.	Gustafsson	“Scanning Tunneling Microscopy Studies of Oxide Surface Structure”
1996	Nunes, Ricardo	Vanderbilt	“Real-Space Approaches to the Electronic-Structure Problem”
1996	Palunas, Povilas	Williams	“The Distribution of Mass and Light in Spiral Galaxies and the Maximum Disk Hypothesis”
1996	Polyakov, D.	Zamolodchikov	“Geometrical Aspects of String Theory”
1996	Pouliot, Philippe	Seiberg	“Duality in Supersymmetric Gauge Theories and other Topics in Supersymmetry”

Physics and Astronomy Ph.D. Degrees

1996	Younes, Walid	Cizewski	“ ¹⁹⁴ Po and the Onset of Collectivity in the Polonium Isotopes”
1996	Zyskin, M.	Zamolodchikov	“Integrable Equations, and Nonlinear Fourier, Random and Abel Transforms”
1997	Balakirev, Fedor	Lindenfeld	“Growth and Magnetotransport Study of LaSrCuO Thin Films”
1997	Bastea, Marina	Kojima	“Second Sound Experiments in ³ He - A1 Phase in High Magnetic Field”
1997	Bastea, Sorin	Lebowitz	“Phase Segregation in Binary Fluids”
1997	Berkooz, Micha	Banks	“Non-perturbative Aspects of Supersymmetric Field Theory and String Theory”
1997	Matt, Nicole A.	Koller	“g-Factors of Low-Lying States in ¹⁵² Gd”
1997	McNabb, Dennis	Cizewski	“Population and Decay of Superdeformed States of Atomic Nuclei in the Lead Region”
1997	Brazhnikov, V.	Zamolodchikov	“Massive Perturbations of the Wess-Zumino-Witten Model”
1997	Fridman, Tema	Merritt	“Dynamics of Triaxial Elliptical Galaxies with Cusps”
1997	Golosov, Denis	Ruckenstein	“1. Transverse Spin Diffusion in a Spin-Polarized Degenerate Fermi Gas 2. Band Crossing and Novel Low-Energy Behaviour in a Mean Field Theory of a Three-Band Model of the Cuprates”
1997	Henderson, W.	Andrei, E.	“Dynamics of Magnetic Flux Lines in 2H-Niobium Diselenide”
1997	Lu, Hsu-Chang	Gustafsson	“The Growth Mechanisms of Ultrathin Gate Dielectrics on Silicon”
1997	Moreno, Juana	Coleman	“Thermal and Transport Properties in Strongly Correlated Systems”
1997	Tremblay, Benoit	Merritt	“Structure and Dynamics of Early-Type Galaxies”
1997	Yadav, Mahesh	Ransome	“Investigation of Processes Involved in Quasi-Elastic and Delta Excitation Region with (e,e'p) Reaction on ¹² C Nuclei”

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1998	Bennetto, John	Vanderbilt	“Computational Tight-Binding Studies of Dislocations and Dielectric Properties in Semiconductors”
1998	Debattista, Victor	Sellwood	“The Interaction of Dark Matter with Galaxy Disks: Bars and Warps”
1998	Diaconescu, E.	Douglas	“D-Branes and Nonperturbative Dynamics in String Theory”
1998	Gabadadze, G.	Farrar	“The Glueball Spectrum in Conventional and Supersymmetric Quantum Chromodynamics”
1998	Getter, Andrew	Jackson	“Excitons in the Shallow Quantum Wells: Absorption Properties in Electric and Magnetic Fields”
1998	Groer, Leslie	Watts	“A Search for Charged Higgs Boson Decays of the Top Quark using Hadronic Decays of the Tau Lepton in Proton-Antiproton Collisions at $\sqrt{s}=1.8$ TeV at CDF”
1998	Kuns, Edward	Watts	“A Study of W Decay Charge Asymmetry Using Hadronic Tau Decays in Proton-Antiproton Collisions at $\sqrt{s} = 1.8$ TeV”
1998	Narozhny, Boris	Ioffe	“Transport and Dissipation in Low Dimensional Systems”
1998	Ramazashvili, R.	Coleman	“Three studies of Quantum Criticality”
1998	Weiner, Benjamin	Williams	“The Dynamics of Barred Spiral Galaxies: Masses and Pattern Speeds”
1998	Woo, Kang W.	Douglas	“A Study of the Confinement Problem”
1999	Aksyuk, V.	Abrahams/ Bishop	“Micro Electro-Mechanical Systems for Experimental Physics and Optical Telecommunications”
1999	Curti, Francis	Bartynski	“The Electronic and Chemisorption Properties of Cu/fccCo/Cu(100) Metallic Quantum Wells”
1999	Ding, Kwan Ying	Cizewski	“Excitations in the Proton-Rich Mass ≈ 157 and Polonium Nuclei”
1999	Entin, Ram	Banks	“Non-perturbative Results in Gauge Theory and Their M-Theory Origins”
1999	Gomis, Jaime	Shenker	“Non-perturbative Descriptions of M-Theory Backgrounds”

Physics and Astronomy Ph.D. Degrees

1999	Ho, Andrew F.	Coleman	“Two Studies in Non-Fermi Liquid Physics”
1999	Khavine, Iouri B.	Gershenson	“Localization of Electrons in Quasi-One-Dimensional Conductors”
1999	Malov, Sergey Y.	Ransome	“Determination of the Ratio of Electrical to Magnetic Form Factors of a Proton in the Nuclear Medium via Recoil Polarization Measurements in the $^{16}\text{O}(e,e'p)$ Reaction”
1999	Morosov, A.	Douglas	“Dynamics of Interconnecting D-Branes”
1999	Ng, Kwok-On	Vanderbilt	“First-Principles Theoretical Studies of $\text{TiO}_2(110)$ Surfaces and $\text{Si}(100)/\text{SiO}_2$ Interfaces”
1999	Nien, Cheng-Hsun	Madey	“Atomic-Resolution Studies of Overlayer-Induced Restructuring of $\text{W}(111)$ Surfaces”
1999	Padilla, Jorge L.	Vanderbilt	“First-Principles Studies of Ferroelectric Surfaces, Alloys and Domain Walls”
1999	Pelhos, Kalman	Madey	“Morphological Transformations of Tungsten Surfaces as Induced by Ultrathin Metallic Films”
1999	Topor, Nadia M.	Zamolodchikov	“Perturbation Method for Boundary S-Matrix in Quantum Field Theory”
1999	Zhang, Lei	Madey	“Growth, Epitaxy and Reactivity of Ultrathin Metal Films on a Metal Oxide Surface: Au and Pt on $\text{TiO}_2(110)$ ”
2000	Arena, Dario	Bartynski	“Electronic Properties of Noble Metal Surfaces and Ultrathin Metal films on Noble Metal Substrates”
2000	Meenakshisundaram, P	Mekjian	“A Statistical Model for Multifragmentation”
2000	Busch, Brett W.	Gustafsson	“Metal and Alloy Surface Structure Studies Using Medium-Energy Ion Scattering”