

Student	Non-Thesis or Thesis	Advisor	Year
Lesniak, Joseph	Calculation of Quantum Entanglement Using a Genetic Algorithm	Elizabeth C. Behrman	2007
Schaffer, David	Magnetic Vector Potential, Klein-Gordon Equation and Klein's Paradox in Relativistic Quantum Mechanics	Elizabeth C. Behrman	2007
Penley, Jonathan J	Effective Medium Theory and Rosseland Mean Opacity	Jason W. Ferguson	2005
Soo YuChoong	Comparisons Between Observed and Model Giant Star Spectra	Jason W. Ferguson	2005
Ayesh, Stefania	Magnetic Susceptibility Analysis of Conducting Polymers	Pawan K. Kahol	2004
Cheah, Tee Pin	Mossbauer Studies of Yttrium-Strontium Iron Garnet	Hussein H. Hamdeh	2004
Churn, Yen Min	Mossbauer Studies of Cobalt Ferrite Nanoparticles Synthesized by Hydrolysis	Hussein H. Hamdeh	2004
Nyakiti, Luke O.	Mossbauer Studies of Melt-Spin Pr <sub>1-x</sub> Fe <sub>90-y</sub> B <sub>10</sub> (y=9.5, 9, 8.5 and 8) Nanocomposites	Hussein H. Hamdeh	2004
Ford, Ken R.	A Mossbauer Spectroscopy Study of Perovskite La <sub>1/3</sub> Sr <sub>2/3</sub> FeO <sub>3-d</sub>	Hussein H. Hamdeh	2003
Hikal, Walid M.S.	Mossbauer Spectroscopy Study of LaSrFeO <sub>o</sub> Perovskite		2003
Unver, Mehmet T.	A Mossbauer Spectroscopy Study of Pr-Fe-B Nanocomposites	Hussein H. Hamdeh	2003
Wamocha, Humphrey L.	Modeling Cool Giant Star Atmospheres	Jason W. Ferguson	2003
Al-Ghanem, Hussain	A Mossbauer Spectroscopy Study of Iron Catalyst	Hussein H. Hamdeh	2002
Ali, M.D. Rejwan	Calorimetric and Magnetic Susceptibility Analysis of Some Rare-Earth Compounds	Syed M. Taher	2002
Zhang, Xin	Mossbauer Studies of Melt-Spun Pr <sub>2</sub> Fe <sub>14</sub> B Ribbons	Hussein H. Hamdeh	2002
Bastien, Kevin	Non-Thesis		2001
Perrin, Jesse	Non-Thesis		2001
Xia, Kehui	Calorimetric Study of Superconducting Ti. <sub>75</sub> Mo. <sub>25</sub> with Dilute AL-GA AL-SN, and GA-SN Additions	James C. Ho	2000
Tamanai, Akemi	Low Temperature Opacity	David R. Alexander	1998
Amarasinghe, Nuditha	Transport and Magnetic Studies of Polyaniline	Pawan K. Kahol	1998
Baboulis, Vassilis	Calculation and Study of the Fourth Moment in Zero Field NMR	Pawan K. Kahol	1998
Schen, Robert	Calorimetric Study of Magnetic Clusters in Colalt-Base Elgiloy	James C. Ho	1998
Barghout, Kamal	A Mossbauer Spectroscopy Study of Aerogel Produced GeFe <sub>2</sub> O <sub>4</sub> , Si <sub>0.75</sub> Fe <sub>2.25</sub> O <sub>4</sub> and Ge <sub>0.5</sub> Fe <sub>2.5</sub> O <sub>4</sub>	Hussein H. Hamdeh	1997
Dharmatileke, Saman M.A206	Vibrating Sample Magnetometer: Installation, Calibration and Measurements		1997
Niemel, John	A Quantum Dot Neural Network	Elizabeth C. Behrman	1997
Tuttle, Tracy R.	Flux Quantization and Applications of the YBCO Squid	Pawan K. Kahol	1997
Dembicky, Jack M.	Quasar Clustering Detection Using Multi-Binning Analysis	David R. Alexander	1996
Khshafa, Hassan M.	Magnetization Studies of Iron Dispersed in Pitch	Pawan K. Kahol	1996
Lawlor, Timothy M.	Modeling Stellar Atmospheres for AGB Stars	David R. Alexander	1996

Le, Truong V.	Light Propagation in a Non-Inertial Frame: Considerations from General Relativity	David R. Alexander	1996
Shah, Priti D.	Moisture Effects on Conduction in Polyaniline	Pawan K. Kahol	1996
Kim, Je-Bok	Superconducting Transition in (Yb <sub>0.85</sub> Pr <sub>0.15</sub> )Ba <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub>	Syed M. Taher	1995
Kluzik, Donald E.	Eclipsing Binary Stars	David R. Alexander	1995
Cutsurdis, Vassilis	Non-Thesis		1994
Foehrweiser, Roger	Non-Thesis		1994
Konstadinidis, Vasilios	Mossbauer Spectroscopy Studies of ZnMg <sub>1-z</sub> Fe <sub>2</sub> O <sub>4</sub>	Hussein H. Hamdeh	1994
Kumar, Krishna S.	Calorimetric Measurements of Magnetic Anomalies in (Lu <sub>1-x</sub> Pr <sub>x</sub> )Ba <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub>	James C. Ho	1994
Lao, Xianyao	Electron-Paramagnetic Resonance Lineshape Studies of RbH <sub>2</sub> AsO <sub>4</sub> , RbD <sub>2</sub> AsO <sub>4</sub> and Rb <sub>1-x</sub> (NH <sub>4</sub> ) <sub>x</sub> H <sub>2</sub> PO <sub>4</sub>	Pawan K. Kahol	1994
Li, Hong	Low Temperature Calorimetric Studies of Ytterbium Sesquioxide and Holmium Sesquioxide	James C. Ho	1994
Pendse, Vandana	Electron Localization Effects in Polyaniline Copolymers	Pawan K. Kahol	1994
Spencer, Wayne R.	Electron Localization in Polyaniline Derivatives	Pawan K. Kahol	1994
Thompson, Shane	Mössbauer Spectroscopy Studies of FeGeSiNb and ZnFe <sub>2</sub> O <sub>4</sub>	Hussein H. Hamdeh	1994
Xia, Zhaoqun	Mossbauer Spectrometry Study of Magnetsioferrite Very Fine Particles	Hussein H. Hamdeh	1994
Zhang Zuohui	A Mossbauer Spectroscopy Study of Nanocrystalline Fe <sub>0.79</sub> Ge <sub>0.21</sub> Films	Hussein H. Hamdeh	1994
Cheng, Xiao-Li	Pr-Substitution Effect on Superconducting Transition in Yb-Ba-Cu-O and Lu-Ba-Cu-O	James C. Ho	1993
George, Ikoma A.V.	Computer Driven System for AC Susceptibility Measurements for Characterizing High T <sub>c</sub> Superconductors	Pawan K. Kahol	1993
Tian, Yuxin	Magnetic susceptibility investigations of hexameric nickel ring	Pawan K. Kahol	1993
Al-Habash, Mohammad A.	A Mossbauer Spectroscopy Study of Amorphous Fe <sub>75</sub> Ni <sub>5</sub> B <sub>15</sub> Si <sub>5</sub> Thin Films	Hussein H. Hamdeh	1992
Ferguson, Jason W.	Effects of Grains on the Calculation of Rosseland and Planck Opacities	David R. Alexander	1992
Tang, Yuanji	Pr-substitution effect on superconducting transition temperature of REBa <sub>2</sub> Cu <sub>3</sub> O <sub>y</sub> compounds: Low Temperature Calorimetric Study of ErO <sub>1</sub>	James C. Ho	1992
Guan, Hong	Dependence of the Magnetic State of Polyaniline (PAN) on Absorbed Water	Pawan K. Kahol	1991
Kim, Je-Bok	Magnetic Ordering in Gadolinium Sesquisulfide	Syed M. Taher	1991
Wallentinsen, Derek	Observation and Analysis of Eclipsing Binary Stars	David R. Alexander	1991
Zhao, Yong	Some Implications of the Carnot Cycle in Modern Physics	Henry J. Unruh, Jr.	1991
Al-Hilali Mohamed R.	A Mossbauer Spectroscopy Study of Amorphous Fe-Ge Alloys	Hussein H. Hamdeh	1990

Gibbons, Stephen C.	The Second Order Correction to Classical Mechanics from Thermodynamics	Henry J. Unruh, Jr.	1990
Haque, Mohammad R.	Non-Thesis		1990
He, Shulin	Low Temperature Calorimetric Studies of YCu, GdCu and TbCu Intermetallic Compounds	James C. Ho	1990
Scoular, Darrell T.	Atomic Dynamics in Ferroelectric CsH <sub>2</sub> AsO <sub>4</sub> via Model Simulations of EPR Lineshapes	Pawan K. Kahol	1990
Wu, Yaoxiong	Magnetic Susceptibilities of Al, Pt and Ni (II) Monothiocarbamate with a Force Magnetometer	Pawan K. Kahol	1990
Zamani, Ataollah	Ascertaining the Quality of the YBCO Superconductors using AC Susceptibility Measurements	Syed M. Taher	1990
Chowdhur, Atiqur, R.	Non-Thesis		1989
D'Souza, Alwyn F.	32-Level Hybrid Optoelectronic Analog to Digital Converter	Donald L. Foster	1989
Ghondhalekar, Vasant B.	Non-Thesis		1989
Hazaimah, Abdalla	Non-Thesis		1989
Lin, Zhi-Nan	Positron Annihilation in Epoxy Resins With and Without Additives	Gerald D. Loper, Jr.	1989
Xia, Huajuan	Non-Thesis		1989
Braun, Andrew J.	Theoretical and Experimental Magnetic Susceptibility of Cerium-Doped Garnets	Syed M. Taher	1988
Walters, Larry	Non-Thesis		1988
Wu, Changyao	Calorimetric Studies of Fe-Ni Alloys with Entrapped Helium	James C. Ho	1988
Zeng, Sixin	Non-Thesis		1988
Lin, Jauyn Grace	Calorimetric Studies of SiC and V <sub>3</sub> Ga	James C. Ho	1987
Omar, Noor E.	Non-Thesis		1987
Robertson, Charles W. Jr.	The Development of a Photometric System for the Observation of Variable Stars	David R. Alexander	1987
Aktas, Sahin	Computer Simulation of One Dimensional Ising Spin Chain by Using Random Numbers	Henry J. Unruh, Jr.	1986
Boehmer, Stuart	Non-Thesis		1986
Fu, Zhi-Zhen	Low Temperature Heat Capacities of Boron-Aluminum and Silicon Carbide-aluminum Composites	James C. Ho	1986
Novacek, Greg R.	The Effects of Atmospheric Opacity on Stellar Evolution	David R. Alexander	1986
Rogers, Keith	Non-Thesis		1986
Sawar, Golam	Non-Thesis		1986
Schmidt, Ronald D.	Non-Thesis		1986
Zhen, Kan-nan	Non-Thesis		1986
Liang, Royce Ching-Yu	Low Temperature Heat Capacities of Ni-Base Superalloys	James C. Ho	1985

Lucas, Eddy D.	A Green Function Model for Liquid State Physics	Henry J. Unruh, Jr.	1985
Saad, Frida	Non-Thesis		1985
Sinclair, Paul	Non-Thesis		1985
Zhou, Liqun	Non-Thesis		1985
Majerich, David M.	Low Temperature Heat Capacity of Ti-Mo-Al Alloys	James C. Ho	1984
Vedak, Deepak S.	A Calculation of the Magnitude of the Magnetic Dipole Moment for the Linear Ising Chain by Use of Random Numbers	Henry J. Unruh, Jr.	1984
Beims, Michael A.	Non-Thesis		1983
Hoffman, David A.	An Integral Equation Approach to the Stellar Structure Problem	David R. Alexander	1983
Islam, Muhammd S.	Non-Thesis	David R. Alexander	1983
Kincaid, Kenneth L.		Donald L. Foster	1983
Nasir-Uddin, A.T.M	Non-Thesis		1983
Platt, William P.	Non-Thesis		1983
Riggs, James D.	An Automated, Sky Compensating, Astronomical Photometer with a Silicon Photodiode Detector	David R. Alexander	1983
Schwartz, Jonathan L.	Electron Transport Properties of the Rare Earth Sesquisulfides		1983
Sorensen, Brent A.	Non-Thesis		1983
Tan, Amerigo	Non-Thesis		1983
Tan, Bienvenido S.	Non-Thesis		1983
Banu, Parveen	Electrical Resistivity and Magnetoresistance Measurements of Terbium Sesquisulphide at Low Temperature	Syed M. Taher	1982
Huoh, Ching-Lai	Low Temperature Heat Capacity of Barium Fluoride	James C. Ho	1982
Rine, Grant P.	Computer Simulation of Quantum Mechanical Analogs of Brownian Motion by Monte Carlo Methods	Henry J. Unruh, Jr.	1982
Skultety, Eric	Non-Thesis		1982
Ganmukhi, Maheshkumar N.	Low Power Solar Photovoltaic Energy System for Lake Afton Public Observatory	Henry J. Unruh, Jr.	1981
Lo, Jih-Charng	Positron Lifetimes in Hexatriacontane	Gerald D. Loper, Jr.	1981
Steiman-Cameron, Thomas	Mass Model for the Galaxy M104	David R. Alexander	1981
Mohr, Gregory A.	Positron Lifetimes in Lanthanum Sesquisulfides	Gerald D. Loper, Jr.	1980
Rypma, Roger L.	Calculations of Low Temperature Rosseland Opacities	David R. Alexander	1980
Au Pui Ming	Low Temperature Heat Capacity of Ti, Zr, and Hf Borides	James C. Ho	1979
Chen, Shiao-Chin	Using Positrons to Probe the Structure of Rare-Earth Sesquisulfides	Gerald D. Loper, Jr.	1979
Evans, Harold	Non-Thesis		1979
Tichenor, Brian	Non-Thesis		1979
Tsou, Jung-Jung	Low Temperature Heat Capacity of Lead Fluoride	James C. Ho	1979
Wiggans, John R.	The Residue at Infinity	Joseph L. Strecker	1979

Gourlay, Stephen A.	High Resolution Measurements of Positron Lifetimes in Polymers of Varying Crystallinity and Free Volume	Gerald D. Loper, Jr.	1978
King, Galen B.	Low Temperature Heat Capacity of Y, La, and Lu Sulfides	Syed M. Taher	1978
Zarnowski, Roger	Non-Thesis		1978
Pajor, Joseph T.	Calorimetric Studies of Niobium/Niobium-Tin/Bronze Composite Superconductors	James C. Ho	1977
Piper, John	Non-Thesis		1977
Sherman, Michael	Non-Thesis		1977
Unruh, Karl M.	A Technique for Analyzing Doppler Broadened Energy Spectra	Gerald D. Loper, Jr.	1977
Yeh, Donald	Low Temperature Heat Capacities of Niobium and Bronze	James C. Ho	1977
Ebong, Imeh D.U.	Positron Annihilation Gamma Ray Lineshapes	Gerald D. Loper, Jr.	1976
Victorine, John R.	Neutron Capture in Iridium 191	Gerald D. Loper, Jr.	1976
Woods, Dennis J.	An EPR Study of CU(DB-18C-6)(CLO4)2d	Donald L. Foster	1976
Wu, Albert Y.	The Absorption Intensity Study of Copper Sulfate Pentahydrate	Donald L. Foster	1976
Hammer, Mary L.	Composition Effects in Red Giant Envelopes	David R. Alexander	1975
Prophet, Sterling D.	A Lathe Drive for Mossbauer Experiments	Gerald D. Loper, Jr.	1975
Harder, T. Mark	Green's Function Treatment of Ferromagnet Thin Films		1974
Gaeddert, Daniel H.	Decoupling Schemes of Green Functions Applied to the Linear Heisenberg Chain	Henry J. Unruh, Jr.	1974
Baldwin, John H.	Positron Annihilation in Hexatriacontane	Gerald D. Loper, Jr.	1973
Chao, Tony I-Fong	Low Temperature Calorimetric Studies of Magnetic Clusters in Titanium-Iron and Nickel-Aluminum	James C. Ho	1973
Cooper, Wilton L.	Extended Envelope Structure of Red Giant Stars	David R. Alexander	1973
Kondo, Ted	Non-Thesis		1973
Agnew, Richard L.	Temperature Dependence of Electrical Resistivity of Titanium-Vandium Alloys	James C. Ho	1972
Cahill, Robert T.	A Determination of the Optical Constants of Thin Silver Films	Donald L. Foster	1972
Gragg, Robert F.	The Possibility of Domains in a Linear Chain of Spin 1/2 Particles	Henry J. Unruh, Jr.	1972
Johnson, Carol R. (Cooper)	The Structure of Cool Star Envelopes	David R. Alexander	1972
Mason, John S.	A Proposed Model for Liquid Helium	Henry J. Unruh, Jr.	1972
Truex, William L.	One Dimensional Phase Transitions	Joseph L. Strecker	1972
Upton, Peter E.	Low Temperature Specific Heats of Titanium-Vanadium Alloys	James C. Ho	1972
Beard, James E.	A Measure of the Complex Dielectric Constant of Thin Silver Films via Ellipsometry	Donald L. Foster	1971
Chen, Tei-Jen	The Application of Zone Melting to Impurity Distribution	Louis W. Watson	1971
Clingerman, Raymond J.	Positron Annihilation in Polyethylenes of Various Crystallinities	Gerald D. Loper, Jr.	1971
Killion, Jerald J.	Oscillatory Interactions in the Spherical Ising Model	Joseph L. Strecker	1971

Mammen, Howard W.	Theoretical and Experimental Electron Paramagnetic Resonance Spectra of Certain Dithin Derivative Cations	Donald L. Foster	1971
Moore, Donald J.	A Boundary Layer Theory for Certain Two-Dimensional Shock Wave Interactions	Wilbur Lakin	1971
Myers, Edwin C.	A Quantitative Study of the Electron Paramagnetic Resonance Absorption of HooC-Ch-CooH in Radiation Damaged Malonic Acid Crystals	Donald L. Foster	1971
Noffsinger, Kent E.	Green Function Treatment of an Anisotropic Heisenberg Linear Chain	Henry J. Unruh, Jr.	1971
Pickett, Warren E.	Impurity Scattering in an Isotropic Superconductor	Joseph L. Strecker	1971
Shields, Marvin E.	Crystal Growth	Louis W. Watson	1971
Simon, William E.	A Nuclear Quadrupole Resonance Spectrometer Using the Field Effect Transistor	Donald L. Foster	1971
Van Zandt, James	Non-Thesis		1971
Coup, Michael C.	The Effect of the Substrate Material on the Surface Energy of Thin Silver Films	John B. Breazeale	1970
Goble, Gerald W.	One Dimensional Phase Transitions	Joseph L. Strecker	1970
Tsai, Robert C.	Lifetime and Intensity Measurements of Positrons in Nylong 66	Gerald D. Loper, Jr.	1970
Bundy, Lawrence N.	A Laboratory Experiment in Optical Orientation of Rubidium Atoms	John B. Breazeale	1969
Giles, John W. Jr.	The Formation of Positronium in Nylon 66	Gerald D. Loper, Jr.	1969
Gillespie, David L.	The Effect of Temperature on the Formation and Annihilation of Positronium in Polyethylene	Gerald D. Loper, Jr.	1969
Mulholland, George W.	Lifetime of Landau States in Megagauss Fields	Wilbur Lakin	1969
Poling, Jack R.	The Dynamic Analysis of a Poppet Valve in Servo Valve Application	Joseph L. Strecker	1969
Rossillon, Daniel F.	The Decay Scheme of Pb207	Gerald D. Loper, Jr.	1969
Skelly, William A.	The Application of Zone Melting to Ionic Conductivity	Louis W. Watson	1969
Wayne, John P.	Positronium Formation in Polyethylene	Gerald D. Loper, Jr.	1969
Wilkes, James M.	Proposed Extension of the Semi-Classical Spin-Wave Theory of Antiferromagnetism		1969
Cook, Arthur C.	Vector Models for a Linear Chain of Spin 1/2 Particles		1968
Sledge, Ronald L.	The Determiniation of Internal Conversion Coefficients Using the Scintillation Method	Gerald D. Loper, Jr.	1967
Stein, Ronald D.	Nutation Perturbations to the Classical Analog of Spin Waves in a Ferromagnetic Material	Henry J. Unruh, Jr.	1967
Vanderhoff, John A.	The Design of an Experiment to Study Nuclear Magnetic Resonance in Centrifugal Fields	John B. Breazeale	1967
Vopat, Frank E.	The Role of Van Der Waals Forces in the Adhesion of Metal Films to Substrates	John B. Breazeale	1967
Anderson III, Chester W.	A Photoelectric Meteor Detector	A.W. Jenkins, Jr.	1966

Bray, Fletcher H.	Magnetization of Iron Whiskers	John B. Breazeale	1966
Cowgill, Donald F.	Momentum and Energy Considerations for the Gas-Surface Interaction	John B. Breazeale	1966
Davis, Ted E.	The Design and Construction of a Coincidence Circuit	Gerald D. Loper, Jr.	1966
Isaacs, Carl D.	Exact Energy Eigenvalues of a Linear Chain of Spin 1/2 Particles		1966
Oswald, Lawrence	Reality, Quantum Mechanics and All That		1966
Stapp, James L.	The Detection of a Meteor Induced Magnetic Signal	A.W. Jenkins, Jr.	1966
Nachbor, John W.	Instrumentation for the Measurement of the Viscosity of Low Density Gases	John B. Breazeale	1965
Peeples, Wayne J.	A Photoelectric Galvanometer Amplifier for Measurement of Geomagnetic Micropulsations	A.W. Jenkins, Jr.	1965
Sealey, Roger V.	Nuclear Magnetic Resonance in Centrifugal Fields	John B. Breazeale	1965
Wyatt, Carter L.	Momentum Transfer Measurements in a Rarefied Gas	John B. Breazeale	1965
Henson, Wallace R.	Momentum Transfer by a Rarefied Gas in the Annular Region Between Two Concentric Rotating Spheres by the Monte Carlo Method	Henry J. Unruh, Jr.	1964
Jones, Andrew M.	An Approximate Method for Near-Adiabatic Collisions		1964
Morrison, Larry K.	A Method of Measuring the Magnetic Moment of Iron Whiskers	John B. Breazeale	1964
Reichardt, John W.	A Study of the Gas-Surface Interaction Using the Magnetic Suspension System	John B. Breazeale	1964
Duvall, Bruce W.	Hydromagnetic Wave Propagation in the Ionosphere	A.W. Jenkins, Jr.	1963
Rue, Robert J.	Control and Precision Measurement of Magnet Current in a Magnetic Microbalance	John B. Breazeale	1963
Sara, Toma I.	Ion-Atom Interaction Potential in Helium Determined by Charge Transfer Cross Sections	A.W. Jenkins, Jr.	1963
Davis, J. Philip	The Measurement of the Photoelectric Work Function by the Use of the Magnetic Microbalance	John B. Breazeale	1962
Harshberger, George D. Jr.	Concentric Rotating Spheres in a Low Density Gas		1962
Hill, Garnett L.	An Experiment on the Measurement of the Gyromagnetic Ratio	John B. Breazeale	1962
Ladd, Nelson S.	Producton and Strength Measurement of Thin Evaporated Metal Films	John B. Breazeale	1962
Nicholson, Jerry A.	The Design and Construction of an Apparatus for the Measurement of h/c		1962
Schall, Evelyn (Schneider)	Non-Thesis		1962
Boroughs, Glen L.	An Investigation of Methods of Producing, Supporting and Spinning Thin Nickel Films		1961
Darter, Eslie L.	Theory and Use of the Nuclear Magnetic Resonance Experiment	Paul A. Roys	1961
Todd, Georgia A.	A Translation from Russian to English of Elementary Particle Accelerators by A. Ia. Beliak, V.I. Veksler, V.N. Kanunnikov, P.A. Cherenkov, B.N. Iablokov, and Others	Paul A. Roys	1961

Wiles, Donald	Non-Thesis		1961
Wilkinson, Maurice	Non-Thesis		1961
Hill, Richard R.	Ultra-Centrifuge for the Measurement of Adhesion and Tensile Strength		1960
East, Larry V.	An Experiment for the Detection of Parity Nonconservation in Beta Decay	Paul A. Roys	1960
Herrington, James R.	Design and Construction of Apparatus for an Advance Undergraduate Electron Diffraction Experiment		1960