

Appendix B Graduate Degrees in Physics

Recipients of Masters Degrees in Physics

Before 1949, the only physics graduate degrees were at the Masters level. Listed here are the dates and names of the recipients, along with the thesis title and advisor, if available. After the federation of Case and Western Reserve in 1967, most of the Masters degrees have been earned as a result of passing a set of required courses and a qualifying exam, a written thesis no longer being required. Only a handful of thesis titles appear after that date. In general, terminal Masters students are no longer admitted to the physics graduate program. Most of the students after 1967 who are listed here went on to complete the Doctorate. Some left the University after earning their Masters degrees. Therefore, the list is cut off at 1990.

1895	Woodward, Harry Wilmot	
1901	Skeels, Arthur A.	
1901	Springsteen, Harry W.	
1902	Jones, Franklin Turner	
1904	Peabody, Carroll Adelbert	
1913	Dreisback, Robert Rickert	
1914	Randall, Dorus Powers	
1915	Hoff, Clayton Malvern	
1917	Hoover, Haided Hazel	
1917	Hower, Harry Sloan	
1918	Schad, Lloyd W.	
1920	Hodgman, Charles D.	
1921	Smith, Leland Ray	
1922	MacLeon, Archibald Garrard	
1926	Martin, John Richard	
1928	Goss, Norman Philip	
1928	Grebe, John J.	
1928	Ott, Lawrence Henry	
	A Study of the Production of Single Crystals of Iron	
1930	Jones, Matthew Turner	
1931	Offner, Abe	
	A Critical Survey of Ether Drift Experiments	Mountcastle, H.W.
1931	Wallace, Clarence	
1932	Balas, Michael	
	Dielectric Constants of Some Fluoride Gases by a Radio Frequency Method	
	Mountcastle, H.W.	
1932	Barton, Roger	
1932	Danstedt, Rudolph T.	
	Dielectric Constants of Some Fluoride Gases by a Radio Frequency Method	
	Mountcastle, H.W.	
1932	Taylor, Philander B.	
	A Study of the Volume Changes upon Setting of Some Silver-Tin Amalgams	
	Mountcastle, H.W.	
1932	Wanamaker, John H.	
	Some Studies of Dilatations of Quartz Crystals at Low Potentials	
	Mountcastle, H.W.	
1933	Buxton, Chester L.	
1933	Carpenter, Otis R.	
1933	Lamb, Robert E.	
1933	Robner, Leopold	
1933	Shankland, Robert S.	
1934	White, Herbert E.	

	The Laws of Radiation: A Critical Survey	Mountcastle, H.W.
1935	Boyer, Raymond R.	
1935	Prettyman, Irven B.	
1936	Anderson, Norma	
1936	Eckstein, Richard W.	
1936	Ford, James W.	
1936	LaGanke, Robert S.	
1936	Shear, Sidney K.	
	Design of an Infra-Red Spectrometer	Mountcastle, H.W.
1936	Thompson, Bruce	
1936	Wenger, Emerson	
	The Extinction Coefficient of Smoke Haze	Mountcastle, H.W.
1937	Donaldson, John B.	
1938	Spremulli, Paul Francis	
	New Terms of the First Spark Spectrum of Manganese	Curtis, C. W.
1938	Tindal, Charles H.	
1939	Hine, Jerome Brooks	
	Construction of a Supersonic Oscillator	Curtis, C. W.
1939	Stearns, Hoyt A.	
1939	Zapf, Kenyon L.	
1940	Krumhansl, James A.	
1940	McDaniel, Boyce Dawkins	
1940	Taylor, James Earl	
	Ultrasonic Emulsification and Coagulation Effects	Curtis, C. W.
1941	Byers, Robert Cummins	
	An Investigation of Striations in a Kundt's Tube	Curtis, C. W.
1941	Davis, Gordon Albert	
1941	Parks, J. R.	
1941	Yanko, John A.	
	Dielectric Constants of Some Isomers of Hexyl Alcohol by a Radio Frequency Method	
	Curtis, C. W.	
1942	Blythe, Richard H.	
1942	Fletcher, Charles H.	
1942	Gregg, Earle C. Jr.	
	Physical Phenomena in Boundary Lubrication	Crittenden, E. C. Jr.
1942	Klein, Gilbert E.	
1942	Rice, Philip James	
1942	Strough, Robert Irving	
	The Design and Construction of a High Intensity Electron Gun for use in Electron Diffraction	
	Crittenden, E. C. Jr.	
1943	Rogers, Edward Stanley	
	An Electron Diffraction Camera for Metal Surface Studies	Crittenden, E. C. Jr.
1943	Sharkey, Andrew Gans	
1944	Elashowick, Murray	
1944	Ellis, Murray	
1946	Kerr, George P. Jr.	
1947	Arrowsmith, Charles	
1947	Carstensen, Edwin Lorenz	
	Self Reciprocity Calibration of Electroacoustic Transducers	
1947	Krohmer, Jack S.	
1947	Levine, Marc S.	
	The Electrokinetics of Certain Immune Reactions	McCarthy, J. T.
1947	MacIntyre, William James	
1947	Macklin, Eugene S.	
1947	Miller, Harry Bernard	
	A Method of Artificial Reverberation	Shankland, R. S.

- 1947 Schenk, Harry Millard
 1948 Arthur, N. Robert
 Measurement of Secondary Emission
- 1948 Benedict, Theodore S.
 X-Ray Study of the Anomalous Structure of Cobalt Smith, C. S.
- 1948 Demuth, Herbert M.
 1948 Fawcett, Sherwood L.
 A Method for the Removal of the Electron Beam from the Betatron Gregg, E. C.
- 1948 Halteman, Eber Kingdon
 A Double Lens Electron Diffraction Camera Crittenden, E. C. Jr.
- 1948 Hart, John Charles
 1948 Hudimac, Albert Aloysius
 B-H Meter for Thin Films Crittenden, E. C. Jr.
- 1948 Kneip, George D. Jr.
 Quantitative Analysis of Iron and Cobalt Mixtures by Fluorescent X-Ray Spectra
 Smith, C. S.
- 1948 Landon, Harry Hill Jr.
 The Thermal Expansion of the Monoclinic Crystal $\text{Li}_2\text{SO}_4\cdot\text{H}_2\text{O}$ Smith, C. S.
- 1948 Mendelson, Alexander
 The Effect of Centrifugal Force on the Flutter of a Uniform Cantilever Beam
 Shankland, R. S.
- 1948 Rosenblum, Earl Sobel
 A Double -Focussing Nuclear Spectrometer Shrader, E. F.
- 1948 Strough, Robert Irving
 An Improved Magnetizing System for a Dynamic Magnetic Analyser Crittenden, E. C. Jr.
- 1948 Weaver, Harry Edward Jr.
 The Design and Construction of a Wilson Cloud Chamber Crittenden, E. C. Jr.
- 1949 Cook, Wilbur Schuyler
 Straubel-Cut Quartz Crystal by Means of the Phenomenon of Streaming Shankland, R. S.
- 1949 Harkless, Earl Thomas
 Scintillation Counter Characteristics
- 1949 Hoffman, Richard W. Crittenden, E. C. Jr.
- 1949 Mayhew, Ray Winfield
 An Electron Multiplier as a Particle Detector Shrader, E. F.
- 1949 Orvis, Alan LeRoy
 A Study of the Evaporation of Iron from Tungsten Smith, C. S.
- 1949 Pavlovic, Arthur Stephen
 Secondary Emission of Metallic Surfaces and Films Shrader, E. F.
- 1949 Peterson, Richard Holmes
 1949 Samuel, Edmund William
 Streaming in Liquids Resulting from Quartz Crystal Vibrations Shankland, R. S.
- 1949 Van Horn, David D.
 1949 Zentner, Robert J.
 Ultrasonic Light Diffraction Effects Shankland, R. S.
- 1950 Chanstain, Joel William Jr.
 The Calibration and Operational Performance of a 30 MeV Betatron
 Gregg, E. C.
- 1950 Dixon, Jack R.
 1950 Fairweather, Stephen H.
 Photomultiplier Tube as a Scintillation Detector of Alpha, Gammas, Neutrons
 Shrader, E. F.
- 1950 Fleischer, Harold Gregg, E. C.
- 1950 Fleischer, Melvin D.
 1950 Goddard, Murray C. II
 A Beta Ray Spectrometer Shrader, E. F.
- 1950 Hale, Donald W.

1950	A Photographic Pyrophotometer Hallam, Arthur F.	
1950	A Circuit for Short Ultrasonic Pulses Johnson, Robert Donald	Shankland, R. S.
1950	The Lattice Parameter-Composition Curve of Cobalt-Tungsten	Smith, C. S.
1950	Male, Donald	
1950	Polmanteer, Keith Earl Lattice Parameter V S. Composition Curves for Binary Metallic Solid Solutions	Smith, C. S.
1950	Truby, Frank Keeler High Temperature Electronic Recording X-Ray Diffraction Equipment	
1950	Warner, Raymond M. Jr. Design Considerations for a Pair Spectrometer Using Scintillation Counters	Shrader, E. F.
1951	Benedict, Robert Neil Direct Detection of Photoneutrons Produced by the Bremsstrahlung Spectrum of the Betatron	Crouch, M. F.
1951	Bing, George Franklin The Pulse Height Distribution from Scintillation Crystals	Foldy, L. L.
1951	Bond, Angus	Foldy, L. L.
1951	Bowman, John Charles A Secondary Electron Multiplier Design	Shrader, E. F.
1951	Delio, John Gene An Analysis of the Dynamic Characteristics of a Typical Gas-Turbine Engine	
1951	Beth, Richard	
1951	Leary, Arthur P.	
1951	Neighbours, John R. The Elastic Constant of Nickel	Smith, C. S.
1951	Rudlin, Leonard On the Determination of Temperatures of Flames by Means of K-Band Microwaves	Beth, Richard
1951	Trask, Richard Keith The Lattice Parameter-Composition of Nickel-Tungsten	Smith, C. S.
1952	Anders, Frederic John Jr. Crystal Imperfections in Thin Films in Metals	Crittenden, E. C. Jr.
1952	Broadbent, Kent D. A Constant Energy Expander for a Field-Biased Betatron	Gregg, E. C.
1952	Burns, John Wallace The Elastic Constants of Cu-Si Alloy	Smith, C. S.
1952	Dandois, M.	
1952	Groselle, John Benjamin Temperature Variation of Intensity of Magnetization in Thin Films	Crittenden E. C. Jr.
1952	Krohn, Victor E. Jr.	
1952	Layer, Edwin H. Jr.	
1952	Ogrinc, Raymond S. Shrinkage of Proton Tracks in Water Loaded Emulsions	Shrader, E. F.
1952	Robson, John W. Dosimetry Studies with a Scintillation Crystal	Gregg, E. C.
1952	Stearns, Robert L. A Statistical Analysis of Interferometer Data	Shrader, E. F.
1952	Tucker, Benson Leland A Pulsed Scintillation Counter	Gregg, E. C.
1953	Adams, Robert B.	

- 1953 An Electron Ejection System for the Case Betatron Gregg, E. C.
Bacon, Roger
- 1953 Effects of Annealing on Electron Diffraction Line Broadening in Nickel
Creager, Charles Bicknell
- 1953 Daniels, Raymond D.
- 1953 Diller, Dwain E.
A Coincidence Study of the $\text{Be}^9(\alpha, n)\text{C}^{12*}$ Reaction Crouch, M. F.
- 1953 Garr, Carl R.
The Elastic Constants of Aluminum Smith, C. S.
- 1953 Long, Thomas R.
Variation of the Adiabatic Elastic Constants of Aluminum with Temperature
Smith, C. S.
- 1953 Schmidt, William
- 1954 Cunningham, Donald E.
Magnetic Properties of Thin films at Low Temperatures Hoffman, R.W.
- 1954 Fessler, Theodore E.
- 1954 Foreman, Charles Edward
Neutron Characteristic Times Crouch, M. F.
- 1954 French, Park
A New Electron Accelerator Gregg, E. C.
- 1954 Harmon, Edward L.
- 1955 Buskirk, Fred
A Table of Covariant Quantities for a Two Particle System Milford, Frederick J.
- 1955 Chrien, Robert Edward
Photoproton Detection with an Ionization Chamber Benade, A. H.
- 1955 Clarke, Alan S.
Application of an Extended Thomas-Fermi Model to the Rubidium Atom Foldy, L. L.
- 1955 Connolley, D. J.
- 1955 Daniels, William B.
Elastic Constants of Iron and Iron Silicon Alloys Smith, C. S.
- 1955 Eckert, Alan C. Jr.
The Design/Measurement of the Magnetic Fields for a New Electron Accelerator
Gregg, E. C.
- 1955 Green, David H.
Scattering of High Energy Gamma Rays Gregg, E. C.
- 1955 Klann, Paul Gerhardt
The Photodisintegration Cross Sections of Be^9 , Li^7 , and Li^6 Shrader, E. F.
- 1955 Knorr, Thomas G.
Electrical Properties of Palladium Films Hoffman, R.W.
- 1955 Kolb, Edwin R.
The Electrical Properties of Zinc Selenide and Mercury Selenide Gregg, E. C.
- 1955 Levitt, Leo Barton
Variational Methods for the Determination of Ground States of Two-Electron Systems
- 1955 Proctor, David G.
A General purpose Fast Coincidence and Pulse Height Analyzer Shrader, E. F.
- 1955 Romanowski, Thomas A.
Response of Organic Scintillators to Alpha Particles, Protons, and Electrons from 0-15 MEV.
Shrader, E. F.
- 1955 Schoeffler, Lawrence E.
The Vibration Spectrum of a Square Lattice Foldy, L. L.
- 1956 Eich, Alfred M. Jr.
Temperature Variation of Intensity of Magnetization in Thin Nickel Films Hoffman, R.W.
- 1956 Glass, Solomon J.
- 1956 Johnson, Ralph W.
The Acoustic Transit Time Error in the Ultrasonic Pulse Echo Method Smith, C. S.
- 1956 Mata, S. J.

1956	McKinney, Annette Irene	
1956	Rose, Philip F. Cross Section for the $\text{Li}^7(\gamma, p)\text{He}^6$ Reaction	Gregg, E. C.
1957	Cohen, D. Allen A Calculation of the Elastic Shear Constants of the Zinc Blende Structure Smith, C. S.	
1957	Eros, Stephen Elastic Constants of KCl and NaI	Smith, C. S.
1957	Schmunk, Richard E. The Elastic Constants of Copper Nickel Alloys	Smith, C. S.
1957	Stooksberry, Robert William Thermal Neutron Mean Lifetime in H_2O	Crouch, M. F.
1958	Bratton, Clyde Bruce	Weinberg, Joseph W.
1958	Finegan, Joel D. Stress Annealing in Vacuum Deposited Iron Films	Hoffman, R.W.
1958	Greenwood, Reginald	
1958	Haybron, Ronald McClure On Statistics of Composite Quantum Mechanical Systems	Klein, M. J.
1958	Haynum, George E.	
1958	Hockensmith, Duane A. Theoretical Cross Section of the Gamma-Deuteron in Li^6	Foldy, L. L.
1958	Petch, Hans Otto	
1958	Seitz, Robert N.	
1958	Walters, Virginia Fried	
1959	Block, Richard B. A Regulated Power Supply for a High Current Magnet	Gordon, W. L.
1959	Longaker, Perry R. A Nuclear magnetic Resonance Spectrometer	
1959	Molchen, Kenneth J. Prototype Apparatus for Nuclear Excitation Studies	Benade, A. H.
1959	Schmidt, Charles T. Photodisintegration of Li^6 at 2.62 Mev.	Benade, A. H.
1959	Weirich, Ronald G. Design and Construction of a Neutron Spectrometer	Crouch, M. F.
1959	Wood, Van E. Tetragonal Structure of Indium Reitz, J. R.	
1959	Yates, Edward A. C. Photoneutron and Photoproton Production in Li^6	Benade, A. H.
1959	Yelon, Arthur Production of Single Crystal Copper Films at Low Temperatures	Hoffman, R.W.
1960	Blaustein, Marvin Observation of Domain Switching in Thin Vacuum Deposited Iron Films	Hoffman, R.W.
1960	Brog, Kenneth C. A Transistor Regulated Power Supply for a High Current Magnet	Milford, Frederick J.
1960	Finfgeld, Charles R. The Well-Informed Heat Engine	Machlup, Stefan
1960	Garber, Donald I. Elastic and Inelastic Scattering of Neutrons from Fluorine	Shrader, E. F.
1960	Genberg, Richard W. Elastic Constants of Calcium Flouride	
1960	Herlacher, David The Stability of the Indium Structure	Reitz, J. R.
1960	Joseph, Alfred S. Construction of Equipment for measuring the De Haas-Van Alphen Effect	Gordon, W. L.
1960	Kaul, Ronald Dean Endpoint Energy of the O^{15} Beta Decay	Voelker, W. H.

- 1960 Kim, Hee Joong
Gamma Rays from the Proton Bombardment of Li^6 Shrader, E. F.
- 1960 Meyers, Richard G.
- 1960 Neubert, Karl Dietrich
Experimental Investigation of the Anomalous Field Effect in Germanium Nixon, J. D.
- 1960 Rosette, King H.
Temperature Variation of Spontaneous Magnetization in Thin Iron Films Hoffman, R.W.
- 1960 Shoffner, Bruce M.
A Fast Neutron Detector Shrader, E. F.
- 1960 Smith, Paulen Arthur
Resonance Radiation Studies of Mercury 198 Olsen, L. O.
- 1960 Wolfe, Paul J.
- 1961 Bassichis, William H.
Kramers' Theorems and One Dimensional Wave Propagation in Periodic Potentials
Foldy, L. L.
- 1961 Bret, George C.
Triple Angular Correlation in Nuclear Reactions Involving Neutrons and Gamma Rays
Shrader, E. F.
- 1961 Chapman, Jamie C.
The Pressure Derivatives of the Elastic Stiffnesses of Silicon Hoffman, R.W.
- 1961 Cook, Harlan J.
Band Structure of Black Phosphorus Reitz, J. R.
- 1961 Culbert, Harvey Victor
A Proportional Counter for Low Energy Nuclear Spectra Major, John K.
- 1961 Devlin, Shaun
Effect of Internal Strain on the Elastic Shear Constants of the Sphalerite Structure
- 1961 Freed, Norman
The Effect of Pairing Correlations on Magnetic Dipole Moments of Odd-A Nuclei
Kisslinger, L.
- 1961 Galloway, Louie A. III
Neutron Total Cross Sections for U^{235} and U^{238} Shrader, E. F.
- 1961 Heidenreich, Rogert Darrow
- 1961 Helm, William J.
A Data Processing and Storage system for Dot-on-Film Pulse analysis Gregg, E. C.
- 1961 Hockman, Thomas C.
- 1961 Jones, James Leo
A Radio-Frequency Mass Spectrometer Voelker, W. H.
- 1961 McGaughy, Robert Earl
A Study of the Gamma-Ray Spectrum of Sn^{113} Achor, W. T.
- 1961 Moe, Michael K.
Radiative Capture of Protons in K^{39} and K^{41} Zimmerman, R. L.
- 1961 Mountain, Raymond D.
Theory of Thermal Expansion at Low Temperature Klein, M. J.
- 1961 Ray, Dan Shelton
Ionization Potential of Linear Molecules Using a Delta Function Model Machlup, Stefan
- 1961 Rogers, William Leslie
Elastic and Inelastic Scattering of Neutrons from Tantalum Shrader, E. F.
- 1961 Schiable, Paul M.
Angle of Incidence Magnetic Anisotropy in Evaporated Nickel Films Hoffman, R.W.
- 1961 Smith, L. Dale
A Pulsed Vacuum Spark X-Ray Source Benade, A. H.
- 1961 Stark, Royal W.
Magnetoresistance and Hall Effect of Single Crystals of Aluminum Eck, T. G.
- 1961 Whitlock, Richard T.
On the Significance of Lin's Velocity Constraint in Two-Fluid Hydrodynamics
Zilsel, Paul R.

- 1962 Ali, Hyder Amir
Hartree-Fock Equations and Ionization Potential for O^{15} for a General Two Nucleon Potential
Robinson, Berol L.
- 1962 Babinsky, Andrew Daniel
Photo-Diffusion in Photoconductors Machlup, Stefan
- 1962 Brand, Darrell A.
Deuteron Stripping reaction Evidence on Excited States of C^{12} Shrader, E. F.
- 1962 Corll, James A.
Critical Evaluation of the Ultrasonic Pulse-Echo Technique in Single Crystals
- 1962 Harker, Yale Deon
Design, Construction, and Testing of a Large Scale Nuclear Emulsion Processing System
Frye, G. M. Jr.
- 1962 Lawrence, Gerald C.
Effective Range and Expansions for the Cotangent of the Scattering Phase Shift
- 1962 Moazed, Freydooun
Transverse Magnetoresistance in Single Crystals of Magnesium Eck, T. G.
- 1962 Munsee, Jack H.
A Color Scheme for Spatial Resolution Using Liquid Scintillators Reines, F.
- 1962 Nezrick, Frank A.
A Method to Detect Beta- radiation in the Presence of Gamma Rays Reines, F.
- 1962 Smith, Lawrence H.
North Orienting System for High Altitude Balloon Research Frye, G. M. Jr.
- 1962 Stephany, Joseph F.
A Vector Model Theory of Gravitation Winterberg, F.
- 1962 Synn, Eun Hi
Angular Correlations of Gamma Rays in the Decay of Sb^{124} Casper, Karl J.
- 1962 Wolfe, Elizabeth Anne
- 1962 Wright, Donald
Effect of Lattice Vibrations of Spin-Spin Relaxation Times in some Paramagnetic Materials
Peterson, R. L.
- 1963 Bambakidis, Gust
- 1963 Bartels, Richard A.
- 1963 Blood, Frank Alden Jr.
Theory of Einstein Bose Gas with an Energy Gap Foldy, L. L.
- 1963 Bond, Peter D.
- 1963 Brown, Gerald V.
- 1963 Chow, Tai-Low
Inelastic Scattering of Relativistic Electrons by Nuclei Weinberg, Joseph W.
- 1963 Chow, William Synjue
An Investigation of the Two-Center Integrals of Face-Centered Cubic Titanium Crystal
Reitz, J. R.
- 1963 Erskine, James C. Jr.
An Investigation of Surface Properties of Cadmium Sulfide Nixon, J. D.
- 1963 Fair, Gale
Theory of Thin Ferrromagnetic Films by Bethe-Peierls-Weiss Method Klein, M. J.
- 1963 Giltinan, David A.
Non-Local Proton-Proton Interaction Thaler, R. M.
- 1963 Jackson, Jerome E.
Mean Lives of Positrons in Aqueous Solutions McGervey, John D.
- 1963 Jeffers, Larry A.
- 1963 Kurfess, James D.
- 1963 Ogata, Hasashi
- 1963 Parker, Gerald H.
Neutron Leakage from the Ends of a Cylindrical Gaseous Fueled Nuclear Reactor
- 1963 Peters, Harold J.
A Preliminary Study of Thin Gadolinium Films Hoffman, R.W.

- 1963 Plummer, Robert D.
Anharmonic Contributions to the Specific Heat of Metals Reitz, J. R.
- 1963 Rote, Donald M.
- 1963 Shaw, Melvin P.
Electron Spin Resonance in Lithium Eck, T. G.
- 1963 Shilling, Gerd
- 1963 Spencer, George L.
- 1963 Sukow, Wayne W.
- 1963 Tippie, John W.
- 1963 Wu, Chi-Shiang
The Nuclear Matrix for the Beta-Decay of Sb^{124} Kisslinger, L.
- 1964 Blaunstein, Robert P.
Comparison of Mössbauer Sources for Scattering Experiments Major, John K.
- 1964 Bogan, Alexander Jr.
The Effects of Collisions upon High Frequency Plasma Oscillations Foldy, L. L.
- 1964 Chen, Hsi-Tseng
Variational Calculation for Deformed Nuclei Applied to Mg-Isotopes Tauber, G. E.
- 1964 Fausel, George William
- 1964 Frankovsky, Frank A.
Lattice Parameters of Zinc at Low Temperatures Smith, C. S.
- 1964 Gurr, Henry S.
Shortest Possible Resolution Time Achievable with a Bubble Chamber Motion Picture Reines, F.
- 1964 Harpster, Joseph W. C.
Nuclear Spectroscopy with a Wide Depletion Region Silicon Radiation Detector Casper, Karl J.
- 1964 Kazzaz, Abdul-Amir
- 1964 Krinsky, Barnet
Temperature Variation of the Grüneisen Parameter Foldy, L. L.
- 1964 Lancia, Frederick N.
Measurement of Peltier Coefficients on Bi-Te Alloys at 0 Celsius and Kelvin's Second Relation McGervey, John D.
- 1964 Lawson, James R.
Magnetic Breakdown in the Long DHVA Periods in Zinc Gordon, W. L.
- 1964 Lee, Wellington
- 1964 Nishiyama, Tatuichiro
Analysis of an Interference Technique for Thin Film Stress Measurement Hoffman, R.W.
- 1964 Riesenfeld, James
Annealing of Stress Anisotropy in Thin Iron Films Hoffman, R.W.
- 1964 Ruth, Charles W.
A Self-Consistent Treatment of the Meissner Effect Tobocman, William
- 1964 Sawyer, Charles M.
- 1964 Stieglitz, Robert G.
An Adaptation of the Direct Reaction Calculation Zimmerman, R. L.
- 1964 Walker, George E.
An Investigation of the Conditions Under Which a Kernel is a One Particle Density Matrix Foldy, L. L.
- 1965 Berger, Michael A. Shrader, E. F.
- 1965 Bose, Subhendu K. Benade, A. H.
- 1965 Chin, Le Dinh
Exchange Effects in Scattering of Slow Electrons by Atoms Thaler, R. M.
- 1965 Compton, Russell A. Gordon, W. L.
- 1965 Doar, James
- 1965 Fritz, Oswald G. Jr.
Decision of Ionic Changes in Stimulated Neural Elements by ATR Spectroscopy

	Eck, T. G.	
1965	Goff, James R. Investigation of Triggering Detectors for a Balloon Borne Spark Chamber Frye, G. M. Jr.	
1965	Gross, Gerard J. Polarization of Protons Elastically Scattered from C ¹²	Silverstein, E. A.
1965	Hieber, Ross	
1965	Kottler, Herbert D-State and Pick-Up effects in Nucleon-Deuteron Scattering	Kowalski, K. L.
1965	Kuebler, Gerard P.	
1965	Lapham, Jerome P.	
1965	Lawler, Martin T. A Study of Cyclonic Two-Fluid Separation	Ostrach, Simon
1965	Le, Chinh Dinh	
1965	Lennon, Conrad	
1965	Miles, Richard G. Low Temperature Thermal Expansion Coefficient of LiF	Smith, C. S.
1965	Owens, William Richard Recoil Free Scattering	Major, John K.
1965	Pavelle, Richard	
1965	Pollard, Richard	
1965	Roberts, David Allen DHVA Study of a Dilute Zinc in Aluminum Alloy	Gordon, W. L.
1965	Slabinski, Victor J.	
1965	Valladares C. Ariel A. Low Temperature Specific Heats of Silver-Gold Alloys	Green, Ben A.
1965	Zych, Allen D. Identification of Neutron Stars in Nuclear Emulsion	Frye, G. M. Jr.
1966	Armbrust, Wayne T.	
1966	Bedeson, Michael Peter The Internal Compton Effect	Casper, Karl J.
1966	Braley, Richard C. Study of the Gamma-Ray Correlations in the Reaction Fe ⁵⁶ (n,n') Fe ^{56*} (γ) Fe ⁵⁶	
	Nagarajan, M. A.	Weinberg, Joseph W.
1966	Caracena, Fernando	
1966	Chi, Huang Gertrude	
1966	Clune, Lavern Charles Low Temperature Specific Heats of a-CuSn and a-CuZn Alloys	Green, Ben A.
1966	Geiger, Alan L. MA	
1966	Heckman, Roland V.	
1966	Kuebbing, Richard A.	
1966	Liebanauer, Paul A Betatron Monitor Employing Cerenkov Radiation	Benade, A. H.
1966	Mayer, Frederick	
1966	Mayer, John T.	
1966	Scott, R. MacDonald The Mott-Smith Approach Applied to a Shock Wave in a Binary Gas Mixture	
	Mawardi, O. K.	
1966	Topper, David R.	
1966	Wagner, David Loren	
1967	Chechile, Richard A. Ultrasonic Equation of State of Tantalum	Smith, C. S.
1967	Dollhopf, William E. A Nuclear Resonant Detector Using Mg ₂ Sn ¹¹⁹	Robinson, Berol L.
1967	Feldman, Lee Model Calculations in Unified Nuclear Reaction Theory	Tobocman, William

- 1967 Ferrante, John
 1967 Fiske, John M.
 1967 Leeson, Jeffrey Sanford
 Chemical Effects of Lead Ions on Positronium McGervey, John D.
 1967 Lin, Lu
 On Rotating Nuclei and Coriolis Anti-Pairing Effect Goswani, Amit
 1967 Loje, Kenneth F.
 Low Temperature Thermal Expansion Coefficient of Sodium Fluoride
 Schuele, D. E.
 1967 Rottmeyer, Robert E.
 1967 Roy, Ranendra Kumar
 1967 Staib, Jon Albert
 Measurement of the Cosmic Ray Gamma Ray Flux Near Sea Level
 Frye, G. M. Jr.
 1968 Arnold, Jeffrey Mark
 1968 Aron, Paul R.
 1968 Blackburn, David L. Smith, C. S.
 1968 Cellarosi, Mario
 1968 Chen, Ching Hsin
 1968 Chen, Ching Lu
 1968 Corlew, Gordon T.
 1968 Davis, Daniel
 1968 Gigante, Joseph R. Huang, C. Y.
 1968 Goldstein, Martin Hoffman, R.W.
 1968 Grier, Norman T. Sparlin, D.M.
 1968 Hankey, Robert E.
 1968 Haugland, Edward J.
 1968 Hoekstra, Dirk Macy
 1968 Hornbeck, Larry J.
 1968 Kirschner, Sidney M.
 1968 Krajcik, Richard A.
 1968 Lindow, James Thomas
 Elastic and Inelastic Scattering of 4.88 and 4.61 MeV Neutrons from Cobalt 59 Shrader, E. F.
 1968 Nalcioglu, Orhan
 1968 Nielsen, Philip E.
 1968 Nordgren, William E.
 1968 Roberts, Ronald
 1968 Sahr, Louis E.
 1968 Taggert, Keith A.
 1968 Tesic, Mike M.
 1968 Thurman, Ernest R.
 1968 Tobin, Thomas M.
 1968 White, David E.
 1968 Wright, David Lowell
 1968 Wu, Homei
 Electronic Specific Heat of a-CuAl and a-CuBe Alloys at Low Temperature
 Green, Ben A.
 1969 Boord, Warren T. Eck, T. G.
 1969 Burke, Victor B.
 1969 Carey, Ronald F. Dahm, A. J.
 1969 Chang, Jhy Jiun
 1969 Channell, David
 1969 Deo, Priyatama Segall, B.
 1969 Doljack, Frank A.
 1969 Eshelman, James H.
 1969 Fontanella, John J.

1969	Fukushima, Takao	
1969	Gubernatis, James E.	
1969	Gupta, Ashok Kumar	
1969	Huff, Robert James	Eck, T. G.
1969	Hunt, Ronald A.	Benade, A. H.
1969	Kovitch, James C.	
1969	Kuntz, Garland P.	
1969	Lee, Shu Tso	
1969	Logan, J. Lousi	
1969	Mathews, Alan A.	
1969	Ng, John N.	
1969	Powell, Robert E.	
1969	Reitz, Leonard M.	
1969	Smith, James B.	
1969	Varma, Matesh N.	
1969	Woodhouse, Robert L.	
1969	Worman, Walter E.	
1970	Alvarez-Elcoro, Ignacio	
1970	Anthes, William H.	
1970	Burwasser, David R.	
1970	Dinewitz, Isaac Jacob	
1970	Finkelstein, Murray M.	
1970	Harding, Thomas James	
1970	Jih, Felix R.	
1970	Kiernan, Aidin	
1970	Kim, Foon	
1970	Kogan, Alberto	
1970	Kubat, Emanuel Joseph	
1970	Reschly, Ronald R.	
1970	Wojnowski, Lawrence D.	
1971	Baltz, Anthony	
1971	Chotteau, Michael	
	The Isospectrum Clarinet System	Benade, A. H.
1971	Garfinkel, Charles L.	Gordon, W. L.
1971	Gupta, Prabhat K.	
1971	Kuo, Fu Shong	
1971	Lin, Ta Shyong	
1971	Nazaretz, Michael A.	
1971	Nerbun, Robert C.	
1971	Pak, Yue Leung	
1971	Park, Mun Whan	
1971	Sethi, Vijay K.	
1971	Sharma, Deepak Kumar	
1971	Vogel, John Stephen	
1972	Apaydin, Erdogan	
1972	Behl, Yugal	Taylor, P. L.
1972	Birn, Ivan	Taylor, P. L.
1972	Blonski, Robert P.	Gordon, W. L.
1972	Cardon de Lichtbuer, Pierre	Taylor, P. L.
1972	Cowan, John James	
	Vibrational Spectrum of the Hexagonal Close-Packed Wigner Lattice	Foldy, L. L.
1972	delaHostria, Emmanuel	
1972	Eckevit, Ahmet	
1972	Giordana, Nicholas D.	
1972	Krempasky, Jerome J.	
1972	Laplante, Paul Richard	

- Threshold-Memory and the Related Physical Changes in Amorphous $\text{As}_2\text{Se}_2\text{Te}_4$
Gordon, W. L.
- 1972 Lerch, John A.
- 1972 Lindberg, Vern W.
- 1972 Malin, John Ralph
- 1972 Nachtman, Joseph C.
- 1972 Nolan, Anne M.
- 1972 Ramsey, Thomas W.
- 1972 Tufts, Memphis D.
- 1973 Chu, Cor Man
- 1973 Hunt, Willard F.
- 1973 Kusner, Ronald R.
- 1973 Leung, Steven
- 1973 Lock, James A.
- 1973 Matthews, David L.
- 1973 Regone, Carl J.
- 1973 Rodjak, David J.
- 1973 Ryan, Robert B.
- 1973 Smulowicz, Frank
- 1973 Srikantia, Sriram
- 1974 Boyle, Frederick P.
- 1974 Goldfinger, Richard C.
- 1974 Jacobs, Kenneth Roger
- 1974 Puhala, Michael
- 1974 Rako, John G.
- 1974 Rondon Aramayo, Oscar A.
- 1974 Soroka, Michael D.
- 1974 Wenz, Robert P.
- 1975 Acharya, Kishore
- 1975 Valenzano, Dennis P.
- 1975 Wallett, Thomas M.
- 1976 Jennings, Wayne D.
- 1977 Chatterjee, Indira
- 1977 Eckstein, David L.
- 1977 Norgren, Richard Michael
- 1977 Shaw, Brandon H.
- 1978 Knox, Charles Anthony
- 1978 Lau, Sing Choy
- 1978 O'Reilly, John G.
- 1978 Richards, Bruce G.
- 1978 Shen, Ying
- 1978 Simone, Inna
- On the Theory of Melting in Correlated Heteropolymer Sequences Taylor, P. L.
- 1978 Thompson, Stephen C.
- 1979 May, Timothy E.
- 1980 Bradrick, Thomas Dale
- 1980 Geiger, Jack
- 1980 Kordesch, Martin E.
- 1980 Patrick, John
- 1980 Platt, Daniel Enoch
- 1980 Smith, Michael K.
- 1980 Stansfield, Samuel E.
- 1981 Bello, Alfredo
- 1981 Lundin, Wade
- Secondary Electron Emission from Indium Tin Oxide Hoffman, R.W.
- 1982 Bilchak, Cynthia L.

1982 Fritz, William Joseph
1982 Hess, Daryll W.
1982 Holla, Jaya K.
1982 Manning, Robert M.
1982 Marino, Richard M.
1982 Middleton, Mark
1982 Stan, Mark A.
1983 Carande, Richard E.
1983 Debbe, Ramiro R.
1983 Gaitan, Frank P.
1983 Roche, James C.
1984 Abel, Phillip Benjamin
1984 Horton, Charles C.
1984 Pandya, Kaumudi Indukumar
1984 Ruan, Jian Zhong
1985 Jiang, Hongwen
1985 Kouzoupis, Spiridon N.
1986 Chang, Jing Yeu Eugene
1986 Dewhurst, Henry Samuel
1986 Fields, Jerry L.
Interface trap properties of the metal-oxide-silicon carbide capacitor
1986 Huang, Lujia
1986 Li, Zili
1986 Rutan, Douglas M.
1986 Shih, Wen Ling
1986 Wang, Jing
1986 Wiefling, Kimberly Mae
1987 Chaffee, Kevin P.
1987 Kadi-Hanifi, Mohammed Djilil
1987 Larbi, Nacer
1987 Mathews, Paul G.
1987 Tornkvist, Ola
1987 Zypman, Fredy
1988 Jayne, Douglas T.
1988 Kell, Karsten L.
1988 Lamouri, Abbas
1988 Mearini, Gerald T.
1989 Banerjee, Shampa
1989 Chen, Liang Yu
1989 DeRose, Guy A.
1989 DiLisi, Gregory A.
1989 Krus, David
1989 Kusner, Robert E.
1989 Lee, Choon Heung
1989 Ruan, Minzi Yu
1989 Thakur, Mrinal Kanti
1989 Wang, Kui Long
1989 Wang, Yaxin
1990 Stegall, Robert N. Jr.
Non-Linear Motion Artifacts in 2-D Fourier Transform Magnetic Resonance Imaging
Haacke, E. Mark

Doctoral Graduates and their Dissertations Listed by Advising Professor

The first physics doctorate granted by Case Institute of Technology was in 1949. The first at Western Reserve University was granted in 1962.

Adler, John G.

Will, Theodore A. 1968
A Study of the Tl-Pb-Bi System Using Electron Tunneling

Akerib, Daniel S.

Perera, Thushara 2002
The Limiting Background in a Dark Matter Search at Shallow Depth

Driscoll, Donald D. 2004
Development and Performance of Detectors for the Cryogenic Dark Matter Search Experiment

Wang, Gensheng 2005
The Cryogenic Dark Matter Search and Background Rejection with Event Position Information

Kamat, Sharmila 2005
Extending the Sensitivity to the Detection of WIMP Dark Matter

Benade, Arthur H.

Chrien, Robert Edward 1958
Photoneutron and Photoproton Production in Aluminum and Copper

Worman, Walter Elliott 1971
Self-Sustained Nonlinear Oscillations of Medium Amplitude in Clarinet-Like Systems

Thompson, Stephen C. 1978
Reed Resonance Effects on Woodwind Nonlinear Feedback Oscillations

Keefe, Douglas Howard 1981
Woodwind Tone Hole Acoustics and the Spectrum Transformation Function

Kouzoupis, Spiridon N. 1985
Systematic Model for the Clarinet Spectrum

Hoekje, Peter Lindsey 1986
Nonlinear Self-Sustained Oscillations of Reed Instruments

Lindevald, Ian Morgon 1987
The Perception of Musical Tones in the Statistical Sound Fields of Rooms

Bevington, Philip

Koral, Kenneth F. 1971
A Search for the Bound Trineutron

Nerbun, Robert C. Jr. 1973
A Study of the $^{24}\text{Mg}(d,n)$ Reaction from 2.5 to 4.0 MeV

Kogan, Alberto 1973
A Study of the $^{28}\text{Si}(^3\text{He},n)^{30}\text{S}$ Reaction Between 3.7 and 4.2 MeV

Bose, Subhendu Kumar 1973
A Study of the $^{20}\text{Ne}(^3\text{He},n)$ Reaction from 2.5 to 4.0 MeV

Cverna, Frank H. 1978
Pion production in proton-proton collisions at 800 MeV

Blanpied, William

Levit, Lawrence B. 1971
A Search for a CP-nonconserving Asymmetry in the Decay $K_L \rightarrow \pi^+\pi^-\pi^0$

Brown, Robert W.

- Martens, Michael 1991
Gradient and rf coil issues in magnetic resonance imaging
- Lai, Song 1996
Brain Functional Magnetic Resonance Imaging Using Blood as an Endogenous Susceptibility Contrast Agent
- Eagan, Timothy Patrick 2003
Studies in Optimization for Magnetic Resonance Imaging
- Gordon, Leon Bernard 1977
A Study of Leptoproduction Mechanisms for Neutral Weak Bosons
- Sahdev, Deshdeep 1978
Tests for Certain Aspects of Quantum Chromodynamics
- Stroughair, John D. 1982
Tests of the Standard Model
- Bilchak, Cynthia L. 1984
A Test of Supersymmetry in the Standard Model
- Zypman, Fredy R. 1988
High Frequency Electromagnetic Fields in Magnetic Resonance Imaging
- DeLaney, David 1988
A General Low-Harmonic Cosmic String and Its Self-Intersection and Fragmentation
- Thompson, Michael R. 1997
Optimization Utilizing Inverse Methods for the Design of Magnetic Field Systems

Brown and Haacke

- Boada, Fernando E. 1990
Inverse Ultrasonic Scattering with Model Function Constraints
- Petropoulos, Labros 1993
Magnetic Field Issues in Magnetic Resonance Imaging

Brown and Krauss

- Cheng, Yu-chung Norman 1998
Physical Models from the Cosmos to the Factory: From Gravitational Lenses as a Probe of Cosmology to Electric Field Analysis in Industry

Brown and Shvartsman

- Fujita, Hiroyuki 1998
Theory and Design of Radio Frequency Coils in Magnetic Resonance Imaging
- Willig-Onwauchi, Jacob David 2001
Field Optimization in Magnetic Resonance Imaging: Striving for Perfect Shielding and Perfect Sinusoids

Brown and Yue

- Liu, Jingzhi 2000
fMRI Studies on Human Brain Function and Model of Muscle Activation and Fatigue

Casper, Karl

- Owens, William R. 1968
Gyromagnetic Ratio of Excited States in Iridium 191

Chandrasekhar, B. S.

- Khorana, Brij M. 1968
ac Josephson Effect in Superfluid Helium
- Jackson, Jerome E. 1969
A study of the lead-indium alloy system by electron tunneling techniques
- Geiger, Alan Leslie 1969
Inelastic Electron Tunneling in Al-Al Oxide-Metal Systems

- Augis, Jacques A. 1969
Electronic structure of bismuth alloys
- Sood, Brij Raj 1971
Phonon Spectra of Dilute Pb-In Alloys by Electron Tunneling
- Gupta, Ashok Kumar 1971
Thermal Conductivity of Superconducting Lead-Indium Alloys
- Finkelstein, Murray M. 1972
Oscillatory Magnetostriction and the De Haas-Van Alphen Effect
in White Tin
- Pak, Yue Leung 1974
Superconductive tunneling in molybdenum
- Haugland, Edward J. 1977
Electrical Resistivity and Specific Heat of Nickel
Near the Curie Temperature

Chottiner, Gary

- Jennings, Wayne 1988
The effects of sulfur segregation on the oxidation of iron
- Eppel, Steven J. 1991
Pt on graphite (0001): a model system for the study of
physical and chemical properties on small metal islands
- Wang, Kuilong 1992
Surface Science Studies of Electrochemical Energy Storage Devices
- Zhuang, Guorong 1994
Application of Surface Analytical Techniques to the Study of the Reactivity of Lithium toward
Nonaqueous Solvents

Coopersmith, Michael

- Brown, Gerald V. 1967
The Excitation Spectrum for a Boson Gas with Repulsive
and Attractive Interactions
- Neustadter, Harold E. 1969
Electron Mobility in Randomly Located Hard-Core Scatterers

Crittenden, Eugene

- Halteman, Eber Kingdon 1950
Electron Diffraction Line Broadening in Nickel Films
- Fawcett, Sherwood L. 1950
The Ejection of the Electron beam from the Betatron
- Hoffman, Richard Wagner 1952
Study of Ferromagnetism by Means of Thin Films
- Rasor, Ned S. 1955
Annealing Kinetics of Lattice Defects in Vacuum Deposited Copper Films
- Story, Harold S. 1956
Stress Annealing in Vacuum Deposited Copper Films

Crouch, Marshall

- Holzer, Alfred 1960
Thermal Neutron Mean Lifetime in Water
- Sobel, Henry Wayne 1969
High Energy Gamma Ray Spectrum from Spontaneous Fission

Dahm, Arnold

- Sai-Halasz, George A. 1972
Ionic Mobilities in Solid Helium

- Smith, James B. Jr. 1973
Orthopositronium Annihilation in Liquid and Solid Helium
- Carey, Ronald F. 1973
Vortex Ring Generated Level Differences in Superfluid Helium
- Lau, Shing-Choy 1978
Ion Motion in Solid Helium
- Mehrotra, Ravi 1982
Studies on a two dimensional electron lattice
- Stan, Mark Anthony 1988
Transport measurements on a two-dimensional Wigner crystal near melting
- Jiang, Hong-wen 1989
Study of Melting and Sliding Charge-density Wave Conduction of Two-dimensional Electrons on Helium Films
- Kusner, Robert Edward 1993
Melting of Electric Dipoles in a Colloidal Monolayer
- Hu, Xue Long 1994
A study of a two-dimensional electron system in the variable-range hopping regime
- Karakurt, Ismail 2000
Dephasing Times in a Classical Two-dimensional Electron Gas
- Goksu, Mehmet Ilhan 2002
Studies on Edge Magnetoplasmon Modes

Dolan, J.F.

- Slabinski, Victor J. 1970
Induction Drag on Large Echo-Type Satellites: Observational Evidence

Eck, Thomas

- Stark, Royal W. 1962
The Galvanomagnetic Properties and Fermi Surface of Magnesium
- Kaul, Ronald Dean 1963
Level Crossings in Mercury
- Brog, Kenneth C. 1963
The Fine and Hyperfine Structure of the 2p State of Li^6 and Li^7
- Wieder, Harold 1964
Level Crossings and Anti-Crossings in the 2P state of Lithium
- Shaw, Melvin P. 1965
Cyclotron Resonance Investigation of the Fermi Surfaces for Cadmium, Zinc, and Magnesium
- Sampath, Prativadi I. 1965
Cyclotron Resonance Investigation of the Fermi Surface of Zinc
- Zych, Dale A. 1967
Cyclotron Resonance in Magnesium
- Huff, Robert James 1969
Stark-Induced Anticrossing Signals in the n=4 Term of Singly Ionized Helium
- Smith, R. Lowell 1970
Level-Crossing Signals in the 3^2D Term of Lithium
- Sawyer, William Howell 1971
A Measurement of the Hyperfine Structure of the 2P term of Lithium-6
- Powell, Robert Edward 1972
Cyclotron Resonance in Magnesium, Including Field-Normal Geometry
- Kennedy, D. Munroe 1995
Low-Energy Radio-frequency Sputtering of Cu, Anodized Al, and Kapton by Argon Plasma Ions

Farrell, David

- Patrick, John Lester II 1983

A Study of Some Electrical Events in the Human Heart
Using Superconducting Magnetometry

Fickinger, William

- Korpi, John L. 1972
Some Final States with a Lambda in K n Interactions at 4.9 GeV/c
- Marino, Richard Matthew 1985
Antiproton-Proton Interactions; 360 and 650 MeV/c Antiproton
Interactions with Al, Cu, Pb

Foldy, Leslie L.

- Osborn, Richard Kent 1951
Second-Quantized Theory of Spin-1/2 Particles in Nonrelativistic Limit
- Berger, Jay Menton 1953
Deuteron Photo-disintegration at Intermediate Energies
- Bing, George Franklin 1954
The Photo-disintegration of Lithium-6: Neutron-Proton-Alpha Particle Model
- Buskirk, Fred 1958
On the Theory of Photo-disintegration of Lithium-6
- Hockensmith, Duane A. 1960
Bremsstrahlung Spectra Produced by 17.3 MeV Electrons
- Haybron, Ronald McClure 1961
Electro-disintegration of Hydrogen-3 and Helium-3
- Ford, William F. 1961
Structure of Low-Lying Levels of Lithium-6
- Bassichis, William H. 1964
An Investigation of the Bogoliubov Transformation Applied to
Bose-Einstein Particles
- Blood, Frank Alden Jr. 1965
Pair Correlation Functions in Classical Statistical Mechanics
- Walker, George E. 1966
Muon Capture and Supermultiplet Symmetry Breaking in Oxygen-16
- Kottler, Herbert 1967
Some Sequences of the Properties of the Internal
Symmetry Crossing Matrices
- Bogan, Alexander Jr. 1967
The Systematics of Muon Capture in a Nuclear Shell Model
- Braathen, Hans Jorgen 1969
Spin Algebras and Representations of the Poincare Group
- Krajcik, Richard Allen 1970
Electromagnetic Interactions of Composite Systems
- Lieh, Jong-Won 1971
On Some Simple Lattice-Spin Systems
- Prael, Richard Edward 1972
Wigner Supermultiplet Model for Nuclear Binding Energy Formulae
- Thakur, Jagannath 1973
Multiple Scattering in Some Exactly Soluble Models
- Lock, James Albert 1974
Meson Exchange Currents in the Deuteron Electro-disintegration
- Maassen, John Phillip 1978
Dynamical Corrections to the Fixed Scatterer Approximation
- Stansfield, Samuel E. 1986
Spinless Particle in Combined Coulomb and Harmonic Oscillator Potentials

Foldy and Milford

- Carome, Edward Francis 1954
The Photo-disintegration of Lithium-6: Deuteron-Alpha Particle Model

Frye, Glenn M.

- Smith, Lawrence H. 1965
Cosmic Ray Primary Electron Flux Measurement with Rigidity Above 5 BeV
- Zych, Allen D. 1968
High Energy Albedo and Solar Neutrons Near the Top of the Atmosphere
- Oran, William A. 1968
Flux and Energy Spectrum of Cosmic Ray Electrons at a Geomagnetic Rigidity of 4.5 BeV
- Staib, Jon Albert 1969
Measurement of the Cosmic Ray Gamma-Ray Energy Spectrum at Balloon Altitudes
- Kuo, Fu-Shong 1973
Diffuse Cosmic Radiation Between 5 MeV and 20 MeV
- Nazaretz, Michael A. 1976
Atmospheric Neutrons at Geomagnetic Rigidities of 0.4, 4.5, and 11.5 GV
- Vogel, John Stephen 1977
Measurement of 10 MeV Atmospheric Gamma Rays at a High Magnetic Latitude
- Pendleton, Geoffery 1988
Predicted Performance of a Prototype Solar Neutron Detector

Gordon, William L.

- Joseph, Alfred S. 1962
The Low Field De Haas-Van Alphen Effect in Zinc
- Genberg, Richard W. 1964
A Determination of the Fermi Surface of Beryllium by the deHaas-vanAlphen Technique
- Plummer, Robert D. 1965
Magnetic Interaction in the DHVA Effect in Beryllium
- Larson, Curtiss O. 1965
A Low Field DHVA Study of the Fermi Surface of Aluminum
- Beasley, J. Donald 1967
Pulsed Field De Haas-Van Alphen Effect in Zinc
- Everett, Paul Marvin 1968
The Fermi Surfaces of Beryllium and of Dilute Alloys of Copper in Beryllium
- Lawson, James R. 1969
Effect of increased c/a ratio through alloying on the magnetic susceptibility and Fermi surface of zinc
- Wagner, David Loren 1970
Pulsed Field De Haas-Van Alphen Effect in MgCu₂
- Fiske, John Mayo 1971
The Fermi Surfaces and Electron Scattering of Dilute Beryllium: Transition Metal Alloys
- Park, Jea Kook 1972
Fermi Surfaces, Electron Scattering; Magnetic Breakdown; Annealed and Aged Dilute Zn-Cd Alloys
- Hornbeck, Larry Joseph 1974
The Effect of Alloying on the Fermi Surface of Magnesium
- Fung, Wai Keung 1976
Fermi Surface Changes in Dilute Mg Alloys: A Pseudopotential Band Structure Model
- Bachmann, Michael A. 1981
Characterization and Phase Transition Studies of Poly(Vinylidene Fluoride)
- Thakur, Mrinal Kanti 1983
Structure Determination of Novel Polydiacetylene Materials
- Ruan, Jian Zhong 1986

Soluble Ladder Aromatic Polymers: Synthesis and Characterization;
Electronic Properties

Miranda, Felix Antonio 1991

Microwave Response of High Transition Temperature
Superconducting Thin Films

Zhong, Zheng-Zhong 1993

Dielectric Relaxations in Side-Chain Liquid Crystalline Polymers

Green, Ben A.

Culbert, Harvey Victor 1964

Low Temperature Specific Heats of Silver-Tin Alloys

Clune, Lavern Charles 1968

Low Temperature Specific Heats of Dilute Lead-thallium and
Lead-bismuth Alloys

Gregg, Earl C.

Tucker, Benson Leland 1953

Cross Section Resonances in the $Li^7(\gamma,p)He^6$;
the High Energy Bremsstrahlung Curve

Robson, John W. 1955

Energy Spectrum of the Case Betatron Measured with a Compton Spectrometer

Stearns, Robert L. 1956

Energy Spectrum of Electrons Produced by Bremsstrahlung in Aluminum

French, Park 1958

Bremsstrahlung Spectra Produced by 17.3 MeV Electrons

Heuer, A.H.

Park, Mun-Whan 1975

Spinodal Decomposition in the TiO_2-SnO_2 System

Hoffman, Richard W.

Knorr, Thomas G. 1959

Geometric Dependence of Magnetic Anisotropy in Thin Iron Films

Yelon, Arthur 1961

Fiber Texture and Magnetic Anisotropy in Evaporated Iron Films

Rosette, King H. 1961

Temperature Dependence of Magnetization in Thin Nickel Films

Finnegan, Joel Dean 1961

Stress and Stress Anisotropy in Iron Films

Myers, Richard G. 1964

Electrical Resistivity of Thin Nickel Films Deposited in Ultra-High Vacuum

Riesenfeld, James 1965

Temperature Dependence of Stress and Stress Anisotropy in Iron Films

Baron, Reinhart 1969

Saturation Magnetization and Perpendicular Anisotropy of Nickel Films

Zuppero, Anthony C. 1970

Mössbauer effect of ultra thin iron films

Rottmayer, Robert E. 1970

Structure and Intrinsic Stress of Platinum Thin Films

Varma, Matesh Narayan 1971

UHV Mossbauer Emission Spectra in Thin Iron Films

Doljack, Frank Anthony 1971

The Origins of Stress in Thin Nickel Films

Springer, Robert W. 1973

Growth Effects in Thin Nickel Films

Kwan, Mackenzie M. L. 1974

- Ferromagnetism in Thin Amorphous Cobalt Films
Alexander, Pierre Martin 1975
The Effect of Impurities on Intrinsic Stress in Thin Nickel Films
- Wenz, Robert Paul 1977
The Intrinsic Stress and Microstructure of ZnS and TiO_x Thin Films
- Jansen, Frank 1977
Investigation of the Surface Roughness of Evaporated Copper Films
by Optical Scattering
- Anderson, Charles R., Jr. 1978
Mössbauer Effect Emission and AES Study of the Ni (111) Surface
- Chase, Richard E. 1979
Secondary Electron Emission from Aluminum Alloy Surfaces
- Hagerling, Carl William 1980
The Tensile Properties of Polyethylene Single Crystals
- Krainsky, Isay 1981
Plasmon Excitation in Alkaline Earth Metals
- Kordesch, Martin E. 1984
Conversion Electron Mössbauer Spectroscopy;
X-Ray Absorption Fine Structure Spectroscopy
- Eldridge, Jeffrey I. 1984
A Mössbauer Spectroscopy Investigation of Passivated Iron Films
- De Melo, Alfeu V. 1984
High Resolution Electron Energy Loss Spectroscopy Studies of
Surface Reactions on Pt(111)
- Natarajan, Chitra 1985
Extended Energy Loss Fine Structure Investigations
- Abel, Phillip Benjamin 1985
A Study of Forces Developed During Oxidation of Iron Thin Films
- Yang, Kai-Yueh 1986
Electron Yields and Escape Depths from Spacecraft Materials
- Pandya, Kaumudi I. 1987
EXAFS Investigations of Nickel Hydroxides and Nickel Oxide Electrodes
- Horton, Charles Clarke 1988
Kinetics of Interaction from Low Energy Ion Bombardment of Surfaces
- Sanders, John N. 1989
Dynamic Properties of Langmuir Films by Laser Light Scattering
- Wang, Ya-Xin 1990
Electron Energy Loss Analysis for Diamond and Diamond-like Carbon Materials
- Chen, Hsiung 1990
Preparation, properties, and structure of hydrogenated amorphous
carbon films
- Lamouri, Abbas 1991
Low-Energy Sputtering of Teflon by Oxygen Ion Bombardment
- Krus, David Jr. 1991
Finite Element Analysis of Thin Film Mechanical Properties
- Chaffee, Kevin P. 1991
Ion beam analysis of diffusion in diamond-like carbon films
- Mearini, Gerald T. 1992
Mechanical Properties of Thin Aluminum/Alumina Multilayer Films
- DeRose, Guy Arthur 1992
X-Ray Absorption Fine Structure Strain Determination in Thin Films
- Shiao, Jeansong 1993
Properties of Diamond-like Carbon and Nitrogen Containing
Diamond-like Carbon Films
- Heidger, Susan 1993
The Mechanical Properties of Diamond-like Carbon Films

- Zorman, Christian A. 1994
Annealing of Diamond and Diamond-like Carbon Films:
An Ion Beam Analysis Study
- Chen, Liang-Yu 1994
Secondary Ions Sputtered by Low Energy Ion Bombardment of
Cu and Al Surfaces

Huang, Chao-Yuan

- Sugawara, Kazushi 1974
Electron Paramagnetic Resonance of Rare-Earth Ions
- Rachford, Frederic J. 1975
Microwave studies of superconducting magnetometers

Jenkins, Thomas

- East, Larry V. 1965
Search for the Double Beta Decay of Nd^{150}
- Munsee, Jack H. 1968
Search for Disintegration of Deuterons by Electron Antineutrinos
- Dix, Fred W. 1970
Search for proton decay as a test of baryon conservation
- Smith, Gary R. 1971
Search for the Double Beta Decay of Nd^{150} Using a
Magnetic Spectrometer Detector
- Kirby, Allan Robert 1971
High Energy Eta Meson Production at Large Momentum Transfers
- Brockett, William S. 1971
 P^- P Charge Exchange Differential Cross Section at
Intermediate Momentum Transfers
- Delsignore, Kenneth W. 1996
June 1991 Solar Flares by the Oriented Scintillation
Spectrometer Experiment (OSSE) Above 6 MeV

Jha, Shacheenatha

- Boolchand, Punit 1969
Electric quadrupole interactions in single crystals of
Te-METAL, Hf-METAL and CaWO_4 by Mössbauer effect
- Bond, Peter Danford 1969
Nuclear Structure and Hyperfine Field Studies with Molybdenum-95
- Arnold, Jeffrey Mark 1970
Study of the (He^4 , He^6) Reaction on s-d Shell Nuclei

Johnson, W. B.

- Spencer, George L. 1966
An Experimental Investigation of Shock Waves in
Highly Ionized Helium

Kantor, Paul B.

- Taggart, Keith A. 1970
Two Problems of the 3π decays of the eta meson

Kash, Kathy

- Dyck, Jeffrey S. 2000
Indium Nitride and Gallium Nitride Grown from the Melt
at Subatmospheric Pressures

Kisslinger, Leonard

- Ogata, Hisashi 1963
Non-Harmonicity of Vibrations of Spherical Nuclei
- Freed, Norman 1964
A Self-Consistent Field Treatment of Spherical Nuclei
- Wu, Chi-Shiang 1966
Study of Collective States of Nuclei by Inelastic Electron Scattering
- Rote, Donald Milton 1967
Quasiparticle Random-Phase Approximation in Odd-Odd Nuclei
and the Neutron-Proton Interaction
- Thompson, Richard H. 1968
A Relativistic Two Body Theory
- Huang, Wei-chung 1971
A Study of the Equations of Motion Method for Nuclear Structure Physics
- Fukushima, Takao 1971
Proton Deuteron Elastic Scattering at High Energy
- Smith, Robert Stephen 1951
Some Studies In Collective Electron Ferromagnetism

Klein, Martin J.

- Rosenbaum, Burt M. 1957
Statistical Foundations of Irreversible Thermodynamics
- Glass, Solomon J. 1959
Investigations on the Third Law of Dynamics
- Mountain, Raymond D. 1963
Statistical Mechanics of Adiabatic Processes
- Wright, Donald 1965
Properties of Bose Gases Using Reduced Density Matrices

Kowalski, Kenneth L.

- Krauss, Jeffrey 1970
Spin-Dependent Three Particle Scattering
- Sharma, Deepak Kumar 1973
Completely Unitary Approximations in Three-Particle Scattering
- Cognion, Rita 2001
Electromagnetic Wave Propagation through Dense Media
Exhibiting Intrinsic Optical Bistability

Krauss, Lawrence M.

- Liu, Hong 1997
Quantum Hair, Magnetic Monopoles and Topology in Quantum Field Theory

Lambrecht, Walter

- Kim, Kwiseon 1998
First Principles Studies of Wide Band Gap Semiconductors and Their Alloys
- Limpijumong, Sukit 2000
Theoretical Study of Some Aspects of Polytypism in Silicon Carbide
- Jiang, Xiaoshu 2005
First Principles Study of Electronic Structures of Defects in ZnGeP₂ and Defect Chalcopyrites

Leff, Harvey

- Millard, Kenneth Y. 1971
An Exact Solution of the Anisotropic Heisenberg Model
With Long-Range KAC Interactions
- Czika, Joseph Jr. 1971
The Statistical Mechanical Basis of Local Pressure

Mathur, Harsh

Herman, Damir 2003
Interplay of Disorder and Interaction in Electron Gas
on Liquid Helium and in Quantum Dots

Mawardi, O. K.

Frank, Eugene N. 1965
Transport properties of turbulent Lorentz gas
Scott, R. MacDonald 1967
Downstream Plasma State in Hydrogen Produced by an EM Coaxial Shock Tube
Mayer, Frederick J. 1968
Two Aspects of Transverse Charged-particle Diffusion
in the Positive Column

McGervey, John D.

Walters, Virginia Fried 1965
Correlation of Positron Lifetime with the Angle between the
Annihilation Gamma Rays
Erksine, James C. Jr. 1966
Electron Momentum Distribution in Silicon and Germanium
by Positron Annihilation
Murray, Brian W. 1970
Positron annihilation in copper and copper alloys
Lindberg, Vern W. 1976
A positron annihilation study of neutron-irradiated aluminum
Panigrahi, Nokuleswar 1987
Positron annihilation studies of cyclic fatigue damage
in metals and aging in polymers
Meyer, Edwin F. 1988
Monitoring the free volume changes in polyvinylacetate
using positron annihilation, fluorescence, and electron spin resonance
Ruan, Minzi Yu 1992
Positron Annihilation Spectroscopy; Microscopic Structure
and Physical Aging
Yu, Zhibin 1994
Positron and Positronium Annihilation Lifetime,
and Free Volume in Polymers
Olson, Brian G. 2004
Positron Annihilation Lifetime Studies of Polymers

Nagarajan, M. A.

Stieglitz, Robert G. 1968
The Effects of a Spin Orbit Potential on the Reaction $C^{12}(d,p)C^{13}$
Hanna, John S. 1968
A Shell-Model Calculation for the Reaction $N^{15}(p,n)O^{15}$

Olson, Leonard O.

Cunningham, Donald E. 1959
Collision Processes in Mixtures of Mercury Vapor and Foreign Gases
Huang, Cheng-chung 1973
Comparison of GaAs and CdTe Crystals for
High Frequency Intracavity Coupling

Pao Y. H.

Boord, Warren Timothy 1973
Far Infrared Isolator

Petschek, Rolfe G.

- Hinshaw, George A. Jr. 1988
Phase Transitions; Modulated States in Ferroelectrics and
Chiral Smectic C Liquid Crystals
- Sones, Richard 1995
Microphase Segregation and Twisting Transitions in Liquid Crystal Polymers
- Stott, Jonathan 1998
Theoretical Study of Dendrimeric and Heliclinic Liquid Crystals

Reichert, Jonathan F.

- Usmani, Zahiruddin 1969
Electric Field Effects in ENDOR Spectroscopy of F-Centers

Reines, Frederic

- Giamati, Charles C. 1962
An Experimental Test of the Law of Conservation of Nucleons
- Kropp, William R. Jr. 1964
Neutrino Flux Limits and an Experimental Test of Baryon Conservation
- Nezrick, Frank A. 1965
Positron Spectrum from Fission Antineutrinos on Protons
- Moe, Michael K. 1965
The Electron Lifetime, an Experimental Test of Charge Conservation

Reitz, John R.

- Tomasch, Walter J. 1958
The Thermoelectric Power of Dilute Indium-Lead and Indium-Thallium Alloys
- Unruh, Henry 1960
Spin Wave Calculations for Ferrimagnetics, Antiferromagnetics and Ferromagnetics
- Cohen, Donald A. 1960
Calculations on the Group Theory and Band Structure of Cadmium Sulfide
- Wood, Van E. 1961
Electronic Band Structure of Cesium Gold
- Michael, James Allen 1963
Ionization Cross Section of Cesium in the Near Threshold Region
- Block, Richard B. 1963
The Onset of an Electromagnetically Driven Shock Wave
- Devlin, Shaun S. 1964
The Galvano-Magnetic Transport Coefficients of Semiconductors
with Optical Mode Scattering
- Allen, Gabriel 1964
One-Dimensional Model for Magnetic Breakdown
- Chow, William Synjue 1964
Statistical Mechanics for a Charged Boson Gas
- Cook, Harlan J. 1969
Helium metastable cross-section measurements in a He and He-Hg plasma
with a two wavelength laser heterodyne interferometer

Rix, John R.

- Chow, Gee-Yin 1969
Elastic Diffraction Scattering of Hadrons at High Energies

Robinson, Berol

- Shera, E. Brooks 1962
Search for a Spinless Excited State in Strontium-88
- McGaughy, Robert Earl 1966

Photochemical Studies of the Frog Retina

Schmidt, Stanley A. 1969

Mössbauer effect studies of some intermetallic compounds of tin

Kuebbing, Richard A. 1970

Measurements of Transition Probabilities in Some Middle Weight Nuclei

Robinson, D. Keith

Burdick, Bernard J. 1970

Single Particle Production in K^-n Interactions at 5 BeV/c with a Visible Λ or K

Gourevitch, S. A. 1971

 K^-p Final States in K^-d Interactions at 4.9 GeV/c

Matthews, David L. 1976

A Study of Strange Particles at 6 GeV/c in π^+n Interactions

Rondon-Aramayo, Oscar 1978

Neutron Polarization in K^+N Interactions at 800 MeV/c Incident K^+

Debbe, Ramiro Rolando 1985

Study of Pion Inclusive Momentum Distributions from Antiproton Interactions in Deuterium

Rosenblatt, Charles S.

Li, Zili 1990

A Magneto- and Electro-optic Study of Ferroelectric Liquid Crystals

DiLisi, Gregory Anthony 1992

Oligomeric Liquid Crystals:
Viscoelastic Properties and Surface Interactions

Lu, Minhua 1993

Elasticity and Polarizations in Ferroelectric Liquid Crystals

Tripathi, Sanjay 1996

Surfaces and Symmetries in Liquid Crystals

Crandall, Karl A. 1996

Chirality and Interfaces in Liquid Crystals

Li, Jian-Feng 1997

Optical Studies of Molecular Architecture and Symmetry in Liquid Crystals

Kang, Daeseung 1999

Chirality and Confinement in Liquid Crystal

Harrison, Daniel E. 1999

A Light Scattering Study of Involucrin

Mahajan, Milind P. 2000

Interfacial and Gravitationally Related Properties of
Liquid Crystals and Other Fluids

Zhong, Shiyong 2001

Electro-optical Switching of Antiferroelectric Liquid Crystals

Wen, Bing 2003

Surface Control for Liquid Crystal Alignment

Daj, Mohammad Reza 2003

Electro-optical Investigations of Liquid Crystalline Mixtures

Patel, Neha Mehul 2004

Electro-optic Studies of Liquid Crystalline Phase and
Magnetically Levitated Liquid Bridges**Scharenberg, R. P.**

Tippie, John W. 1965

The Gyromagnetic Ratio of the First Excited Rotational States in Ytterbium

Wolfe, Paul J. 1966

The Nuclear g-Factors of the First Excited States

in Sm 152 and 154, and Gd 156, 158, and 160
 Schilling, Gerd 1967
 Static Electric Quadrupole Moment of the 0.558 MeV state in $^{114}\text{Cd}_{48}$

Schuele, Donald E.

Wong, Chuen 1968
 The Pressure and Temperature Derivatives of the
 Elastic Constants of BaF_2 and CaF_2
 Roberts, Ronald 1969
 Ultrasonic Parameters in the Equation of State of the
 Sodium and Potassium Halides
 Loje, Kenneth F. 1969
 The pressure and temperature derivatives of the
 elastic constants of AgBr and AgCl
 Hankey, Robert Ernest 1969
 Third Order Elastic Constants of Aluminum Oxide
 Fontanella, John J. 1969
 The dielectric properties of some alkali halides
 Swyt, Dennis A. 1971
 The Grüneisen parameter of some semiconductors from elasticity data
 Debesis, John R. 1971
 The Elastic Properties of Copper and Copper-Nickel Alloys
 Andeen, Carl G. 1971
 Accurate determination of dielectric properties
 Bello, Alfredo 1984
 The Dielectric Properties of Poly(Vinylidene Fluoride)
 Akins, Robert 1991
 Dielectric investigation of double glass transitions in polymers

Segall, Benjamin

Deo, Priyatama 1972
 Electronic Structure of thallium using the
 Relativistic Green's Function Method
 Szmulowicz, Frank 1977
 Calculation of Optical and X-Ray K-Absorption Spectra of Aluminum
 Lee, Choon-Heung 1993
 Theoretical Study of Diamond-Like Carbons and Nucleation of Diamond

Shankland, Robert S.

Gregg, Earle Covington Jr. 1949
 A Flux-Forced Field-Biased Electron Induction Accelerator
 Voelker, William Henry 1952
 Angular Distribution of Compton Scattered Gamma Rays

Shrader, Erwin

Fleisher, Harold 1950
 The Angular Distribution of Protons from the
 Photodisintegration of Deuterium
 Rosenblum, Earl Sobel 1951
 Gamma Ray Absorption Coefficients in Lead and Uranium at 5 and 10 MeV
 Warner, Raymond M. Jr. 1952
 Angular Distribution of Bremsstrahlung Measured
 With an Energy-Selective Detector
 Krohn, Victor E. Jr. 1952
 The $\text{Cu}^{63}(\gamma, n)\text{Cu}^{62}$ Cross Section
 Romanowski, Thomas A. 1957

- The Photoneutron Cross Sections of Li^6 and Li^7
- Ahmed, Nighat M. 1960
Particle Recognizing Apparatus and Photoproton Processes in Li^6
- Green, David H. 1961
Gamma Ray Attenuation Coefficients for Helium from 5 MeV to 19 MeV
- Eckert, Alan C. Jr. 1961
Nuclear Resonant Absorption of Gamma Radiation by Calcium-40
- Kim, Hee J. 1962
A Study of Neutron Producing Reactions by Deuteron Bombardment of Boron¹¹
- Garber, Donald I. 1964
Polarization of Neutrons from (d,n) Reactions on Carbon
- Galloway, Louie A. III 1966
Neutron Total Cross Section Measurements Using a White Neutron Source
- Rogers, William Leslie 1967
Scattering of Polarized 2.33 MeV Neutrons from
 C^{12} , $\text{Fe}^{54,56}$, $\text{Ni}^{58,60}$ and Cu^{65}
- Kurfess, James. D. 1967
The Nuclear g-Factors of the 2^+ Rotational States
in Nd^{150} , Dysprosium and Erbium
- Lindstrom, Walter W. 1970
Polarization of Neutrons from the $\text{C}^{13}(\text{d},\text{n})$ Reaction
- Lindow, James Thomas 1970
Elastic and Inelastic Neutron Scattering Cross Sections
of $^{54,56}\text{Fe}$, $^{58,60}\text{Ni}$, and Natural Carbon
- Silverstein, Edward A.**
- Liebenauer, Paul H. 1970
Deuteron induced reactions on C^{13}
- Singer, Kenneth D.**
- Andrews, James Herbert 1995
Third-Order Optical Nonlinearities in Organic Chromophores
- Kowalczyk, Anthony 1996
Second Order Optical Nonlinearities in Polymeric Waveguides
- Hubbard, Steven F. 1997
Measurements of Second Harmonic Susceptibility in
Organic Nonlinear Optical Systems
- Dureiko, Richard D. 1998
Relaxation Processes in Poled Electro-optic Polymer Films
- Ostroverkhova, Oksana 2001
Nonlinear Optical Probes and Processes in Polymers and Liquid Crystals
- Ostroverkhov, Victor 2001
Chiral Second-order Nonlinear Optics
- Kurti, R. S. 2004
Pulse Compression in a Mid-infrared Synchronously Pumped Optical Parametric Oscillation
- Singer and Brown**
- Dai, Tehui 2000
Studies in Nonlinear Optics and Functional
Magnetic Resonance Imaging
- Smith, Charles S.**
- Van Horn, David Downing 1949
An Experimental and Theoretical Study of the
Solid Solubility of Tungsten in Iron
- Neighbours, John R. 1953

- Elastic Constants of Copper Alloys
 Long, Thomas R. 1956
 The Elastic Constants of Magnesium Alloys
 Bacon, Roger 1956
 The Elastic Constants of Silver Alloys
 Winder, Dale Richard 1957
 The Elastic Constants of Indium
 Nash, Harry C. 1958
 Single Crystal Elastic Constants of Lithium
 Daniels, William B. 1958
 The Pressure Derivatives of the Elastic Constants of
 Cu, Ag, Au to 10,000 Bars
 Scmunk, Richard E. 1959
 The Pressure Derivatives of the Elastic Constants
 of Al and Mg to 6,500 bars
 Eros, Stephen 1960
 Low-temperature Elastic Constants of Magnesium Alloys
 Trivisonno, Joseph 1961
 The Elastic Constants of Lithium-Magnesium Alloys
 Corll, James A. 1962
 Pressure Derivatives of the Elastic Constants of Cadmium
 Schuele, Donald E. 1963
 The Thermal Expansion at Low Temperatures of Rubidium Iodide
 Miller, Roger Allen 1963
 Pressure Derivatives of the Elastic Constants of LiF and NaF
 Smith, Paulen Arthur 1964
 Pressure Derivatives of the Single Crystal Elastic Constants of Potassium
 Bartels, Richard A. 1964
 The Pressure Derivatives of the Elastic Constants
 of NaCl and KCl at 295K and 195K
 Rotter, Carl A. 1966
 Ultrasonic Equation of State of Iron
 Pauer, Lyle Anthony 1968
 Pressure Derivatives of the Elastic Constants of Rubidium
 Hill, Edwin R. 1968
 Pressure Variation of the Elastic Constants
 of f.c.c. Indium-Thallium Alloys

Starkman, Glenn D.

- Stojkovic, Dejan 2001
 Neutrino Mass and its Implications for the Zero Mode
 and Vacuum Structures of the Standard Model and its Extensions

Taylor, Cyrus C.

- Gates, Evalyn I. 1990
 Irreducible Representations from the Quantization
 of Constrained Dynamical Systems
 Convery, Mary E. 1997
 A Disoriented Chiral Condensate Search at the Fermilab Tevatron

Taylor, Philip L.

- Bambakidis, Gust 1966
 A Study of the Electronic Structure of Liquid Metals
 Hosack, Harold 1969
 Energy Levels of Bloch Electrons in Magnetic Fields
 Fair, Gale 1969

- Theory of Galvanomagnetic Effects in Metals
Nielsen, Philip Edward 1970
Theory of Thermoelectric Power in Metals and Alloys
Gubernatis, James E. 1972
Properties of Disordered Systems
Gupta, Prabhat K. 1972
An investigation of phase separation theories in glass forming systems
Cardon de Lichtbuer, Pierre 1974
The magnetoresistance of cubic metals
Boyle, Frederick Phillip 1977
A Continuum Model for the Prediction of Thermodynamic
Properties in Simple Polymers
Ferrante, John 1978
Adhesion at a Bimetallic Interface
Purvis, Carolyn K. 1981
The Influence of Dipole Fields on Orthorhombic
Ferroelectric Crystals: Application to PVF2
Good, Brian Scott 1983
Theory of Structure, Morphology and Conductivity in Polymers
Banerjea, Amitava 1983
Devil's Staircase In a One-Dimensional Model
Heinonen, Olle Gunnar 1985
Equilibrium and Non-Equilibrium in the Quantum Hall Effect
Worrell, Gregory A. 1987
Electronic Properties of Conducting Polymers
Zhang, Renshi 1991
Theory of PVF2 and it's Ferroelectric Random Copolymers
Wang, Xin-yi 1996
Theory of Phase Stability in Polymers and Liquid Crystals
Krupenkin, Tom Nikita 1997
Microscopic Mechanisms of Polymer Fracture
Doerr, Timothy P. 1998
Mechanics of Complex Molecules
Tsige, Mesfin 2001
Theory and Simulation of Soft Condensed Matter

Thaler, Raphael M.

- Schneider, Ronald E. 1964
Are Low Energy Scattering Data Consistent with Charge Independence?
Holdeman, Jones T. Jr. 1966
Electromagnetic Scattering of Charged Particles with Spin
Weiss, Douglas Louis 1976
Elastic Scattering of One Fermion from a Finite Collection of Fermions
in a 2nd Quantized Form
Friedenberg, Robert A. 1976
A Field Theoretic Treatment of Pion-Nuclear Matter Elastic Scattering

Tobocman, William

- Ruth, Charles W. 1967
The Theory of the Meissner Effect
Purcell, James E. 1967
Applications of Generalized R-matrix Theory to Simple Scattering Models
Giltinan, David A. 1968
Distorted Wave Theory of the One Meson Exchange Reaction
Baltz, Anthony John 1971
A Shell Model Calculation of Ti^{49}

- Gintner, Henry 1972
A Study of the Continuum States of the Beryllium-7 System Below 10 MeV
- Rodjak, David Joseph 1975
Test of the Shell Model Approach to Nuclear Reaction Theory
- Goldfinger, Richard Carl 1976
Analysis of Exchange Effects in the Reactions
 $^{16}\text{O}(^6\text{Li}, ^4\text{He})^{18}\text{F}$ and $^{16}\text{O}(^3\text{He}, \text{p})^{18}\text{F}$
- Lewanski, Andrew J. 1978
Test of Many Body Scattering Formalisms by
Application to an Exactly Soluble Model
- Chulick, Gary S. 1988
One Boson Exchange Model in the Tobocman-Chulick Formalism
- Driscoll, Diana 2001
Free of Speckle Ultrasound Images of Small Tissue Structures

Vachaspati, Tanmay

- Pogosian, Levon 2001
Formation and Interactions of Topological Defects
and Their Role in Cosmology

Voelker, W. H.

- Proctor, David G. 1958
Photodisintegration of Li^6

Wagner, Glenn

- Longaker, Perry R. 1962
Electron Spin Resonance in Donor Doped Graphite

Weinberg, Joseph W.

- Bratton, Clyde Bruce 1964
Nuclear Magnetic Resonance Studies of Living Muscle
- Pereira, Carlos Martin 1967
Relationship Between Space-Time Distance and
the Conservation of Energy-Momentum
- Pentz, Norman E. 1968
Correlations in boson production of high multiplicity
- Caracena, Fernando Jr. 1968
The Electrodynamics of Vector Bosons

Willard, Harvey B.

- Kosiara, Andrezej 1972
A Search for Parity and Isobaric Spin Violating Decay
of the 3.56 MeV Level in ^6Li
- Anderson, Byron Don 1972
A Study of the $^{16}\text{O}(\text{d}, \text{n})$ Reaction from 3 to 4 MeV

Winterberg, Friedwart

- Seitz, Robert N. 1964
A Method of Obtaining Exact Solutions of the
Boltzmann-Vlasov Equations

Woods, Robert

- Reilly, Terence Douglas 1970
Muon Decay Deep Underground

Ziisel, Paul A.

- Whitlock, Richard T. 1963
On the Pseudospin Model for Hard-Core Bosons with Attractive Interaction
- Jun, Jau S. 1969
Phase diagram of a quantum lattice gas with repulsive interaction
- Roy, Ranendra Kumar 1970
Quantum Lattice-Gas Model of Liquid Helium-4