Bryan Hobson Wildenthal - Curriculum Vita

09/13/02

Educational History

Ph. D., Major in Physics, University of Kansas, Lawrence, Kansas, 1964
Thesis title: The Mechanism of the Si(d,p) Reaction Below 3 MeV
Advisors: R. W. Krone and F. W. Prosser

B. A., Mathematics/English, Sul Ross State College, Alpine, Texas, 1958

High School Diploma, Alpine, Texas, Public Schools, 1955

Principal Employment History

Executive Vice President and Provost, The University of Texas at Dallas,
Dallas, Texas 1999-

Vice President for Academic Affairs and Provost, The University of Texas at Dallas,
Dallas, Texas, 1994-99

Vice President for Academic Affairs, The University of Texas at Dallas,
Dallas, Texas, 1992-94

Dean, College of Arts and Sciences, and Professor, Department of Physics and Astronomy,
The University of New Mexico, Albuquerque, New Mexico, 1987-1992

Professor and Head, Department of Physics and Atmospheric Science,
Drexel University, Philadelphia, Pennsylvania, 1983-1987

Professor of Physics,
Michigan State University, East Lansing, Michigan, 1972-1983

Associate Professor of Physics,
Michigan State University, East Lansing, Michigan, 1969-1972

Assistant Professor of Physics,
Texas A and M University, College Station, Texas, 1968-1969

AEC Postdoctoral Fellow,
Oak Ridge National Laboratory, Oak Ridge, Tennessee, 1966-1968

Research Associate and Lecturer in Physics,
Rice University, Houston, Texas, 1964-1966

Teaching Assistant and Research Assistant
University of Kansas, Lawrence, Kansas, 1958-63

Secondary and Visiting Appointment History

Consultant,
Los Alamos National Laboratory, Los Alamos, New Mexico, 1987-1993

Guest Professor of Physics,
University of Sao Paulo, Sao Paulo, Brazil, March, 1985

Adjunct Professor of Physics,
University of Pennsylvania, Philadelphia, Pennsylvania, 1984-1988

Guest Lecturer in Physics,
University of Manchester, Manchester, England, June-August, 1980

Consultant,
Los Alamos National Laboratory, Los Alamos, New Mexico, June-August, 1979

Senior Visiting Fellow,
University of Oxford, Oxford, England, April-May, 1979

Executive Secretary, DOE/NSF Nuclear Science Advisory Committee,
National Science Foundation, Washington, D. C., 1978

Visiting Professor of Nuclear Physics,
University of Paris, Orsay, France, 1977

Visiting Scientist,
Institute for Heavy-ion Research, Darmstadt, West Germany, 1977

Visiting Scientist,
Max-Plank-Institute for Nuclear Physics, Heidelberg, West Germany, March, 1976

Visiting Scientist,
Brookhaven National Laboratory, Upton, New York, October, 1974

Senior U.S. Fellow of the Alexander von Humboldt Foundation,
University of Munich, Munich, West Germany, 1973

Honors, Awards, Activities

Cecil H. Green Distinguished Chair of Academic Leadership, The University of Texas at Dallas, 2001

LAMPF Program Advisory Committee,
Los Alamos National Laboratory, Los Alamos, New Mexico, 1989-1992

Editorial Advisor,
Modern Physics Letters A and International Journal of Modern Physics A, 1987-1990

T. W. Bonner Prize Award Committee,
Division of Nuclear Physics, American Physical Society, 1981
Junior Research Award,
Michigan State University Chapter of Sigma Xi, 1978

Fellow,
John Simon Guggenheim Memorial Foundation, 1977

Vice Chairman/Chairman,
Gordon Research Conference, Nuclear Structure Physics, 1976/1977

T. W. Bonner Prize Award Committee,
Division of Nuclear Physics, American Physical Society, 1975

Program Committee,
Division of Nuclear Physics, American Physical Society, 1974-1975

Elected Fellow,
American Physical Society, 1973

Senior U.S. Fellowship,
Alexander von Humboldt Foundation of West Germany, 1973

AEC Postdoctoral Fellowship,
Oak Ridge National Laboratory, Oak Ridge, Tennessee, 1966

Phi Beta Kappa, 1962

Extramural Funding

Shell-Model Calculations and Experimental Frontiers in Nuclear Spectroscopy
B. H. Wildenthal
National Science Foundation, Physics Division
PHY-91-23332, February 1, 1992 - January 31, 1993; $28,000
PHY-91-23332, February 1, 1993 - January 31, 1994; $28,800
PHY-91-23332, February 1, 1994 - January 31, 1995; $29,700

Nuclear Physics in the 1990's; International Conference in Santa Fe, New Mexico, May 1-5, 1990
B. H. Wildenthal
National Science Foundation, Physics Division (Group Travel Award)
PHY-89-22287, March 15 - August 31, 1990- $4,983

Realistic Shell-Model Calculations and Medium-Energy Experiments
B. H. Wildenthal
National Science Foundation, Physics Division
PHY-87-18772, October 1, 1989 - August 31, 1990; $44,000
PHY-87-18772, October 1, 1988 - August 31, 1989; $44,000
PHY-87-18772, October 1, 1987 - August 31, 1988; $52,041

U.S. - Brazil Cooperative Research on Collective and Statistical Properties of Large-Basis Shell-Model Wave Functions
B. H. Wildenthal
National Science Foundation, International Programs
INT-86-02642, July 15, 1986 - June 30, 1988; $4,200

Shell-Model Calculations and Medium-Energy Experiments
B. H. Wildenthal
National Science Foundation, Physics Division
PHY-85-09736, October 15, 1986 - October 14, 1987; $51,000
PHY-85-09736, October 15, 1985 - October 14, 1986; $51,000

Research supported under the block-grant funding of the MSU Cyclotron Laboratory (later, MSU National Superconducting Cyclotron Laboratory) by the National Science Foundation, 1969-1983

Bryan Hobson Wildenthal

Articles in Refereed Journals:

J181. Structure of ^{32}S
J. Brenneisen, B. Erhardt, F. Glatz, T. Kern, R. Ott, H. Röpke, J. Schmälglin, P. Siedle and B. H. Wildenthal to be published

J180. Quantum numbers of ^{26}Al levels above 6 MeV excitation energy
J. Brenneisen, D. Grathwohl, B. Ehrhard, P. M. Endt, S. Fischer, M. Lickert, R. Ott, H. Röpke, J. Schmälzlin, P. Siedle, and B. H. Wildenthal
Zeitschrift für Physik A 354 (1996) 301-310

J179. Absence of M3 quenching in ^{26}Mg
K. K. Seth, S. Soundranayagam, A. Saha, C. W. de Jager, H. de Vries, B. A. Brown and B. H. Wildenthal
Physical Review Letters 74 (1995) 642-645

J178. Structure of ^{28}Si above 10 MeV excitation energy III: level scheme and shell model interpretation
J. Brenneisen, D. Grathwohl, M. Lickert, R. Ott, H. Röpke, J. Schmälzlin, P. Siedle and B. H. Wildenthal
Zeitschrift für Physik A 352 (1995) 403-415

J177. Structure of ^{28}Si above 10 MeV excitation energy II: assignments of quantum numbers
J. Brenneisen, D. Grathwohl, M. Lickert, R. Ott, H. Röpke, J. Schmälzlin, P. Siedle and B. H. Wildenthal
Zeitschrift für Physik A 352 (1995) 279-291

J176. Structure of ^{28}Si above 10 MeV excitation energy I: gamma-decay modes and radiative widths of levels
J. Brenneisen, D. Grathwohl, M. Lickert, R. Ott, H. Röpke, J. Schmälzlin, P. Siedle and B. H. Wildenthal
Zeitschrift für Physik A 352 (1995) 149-159

J175. Spectroscopic factors from one-proton stripping reactions on sd-shell nuclei: experimental measurements and shell-model calculations
J. Vernotte, G. Berrier-Ronsin, J. Kalifa, R. Tamisier and B. H. Wildenthal
Nuclear Physics A571 (1994) 1-42

J174. $^{27}Al(d,^{3}He)^{26}$ Mg reaction at 29 MeV
J. Vernotte, G. Berrier-Ronsin, S. Fortier, E. Hourani, J. Kalifa, J. M. Maison, L. H. Rosier, G. Rotbard and B. H. Wildenthal
Physical Review C48 (1993) 205-220

J173. Beta-delayed proton decay of ^{25}Si
J. D. Robertson, D. M. Moltz, T. F. Lang, J. E. Reiff, J. Cerny and B. H. Wildenthal
Physical Review C47 (1993) 1455-1465

J172. Pion scattering to 6^- stretched states in ^{24}Mg and ^{26}Mg
R. A. Lindgren, B. L. Clausen, G. S. Blanpied, J. Hernandez, C. S. Mishra, W. K. Mize, C. S. Whisnant, B. G. Ritchie, C. L. Morris, S. J. Seestrom-Morris, C. Fred Moore, P. A. Seidl, B. H. Wildenthal, R. Gilman and J. A. Carr
Physical Review C44 (1991) 2413-2418

J171. The structure of ^{25}Mg
F. Heidinger, P. Betz, W. Brendler, F. Glatz, A. Hoffmann, H. Röpke and B. H. Wildenthal
Zeitschrift für Physik A338 (1991) 23-49

J170. Short lifetimes in ^{29}Si-^{29}P for the test of shell-model wave functions
P. Tikkanen, J. Keinonen, A. Kuronen, A. Z. Kiss, E. Koltay, E. Pintye and B. H. Wildenthal
Nuclear Physics A517 (1990) 176-192

J169. Lifetimes of the lowest $5/2^+$ and $9/2^+$ states in the mirror nuclei ^{23}Na - ^{23}Mg
P. Tikkanen, J. Keinonen , K. Arstila, A. Kuronen and B. H. Wildenthal
Physical Review C42 (1990) 581-587

J168. $^{30}Si(^3He,d)^{31}P$ reaction at ^{25}MeV
J. Vernotte, A. Khendriche, G. Berrier-Ronsin, S. Grafeuille, J. Kalifa, G. Rotbard, R. Tamisier and B. H. Wildenthal
Physical Review C41 (1990) 1956-1974

J167. Pion elastic and inelastic scattering from ^{24}Mg and ^{26}Mg
G.S. Blanpied, J. Hernandez, C. S. Mishra, W. K. Mize, C. S. Whisnant, B. G. Ritchie, C. L. Morris, S. J. Seestrom-Morris, C. Fred Moore, P. A. Seidl, R. A. Lindgren, B. H. Wildenthal and R. Gilman
Physical Review C41 (1990) 1625-1636

J166. Shell-model calculations for the energy levels of the N =50 isotones with A = 80-87
Xiangdong Ji and B. H. Wildenthal
Physical Review C40 (1989) 389-398

J165. Chaotic behaviour of the nuclear shell-model Hamiltonian
H. Dias, M. S. Hussein, N. A. de Oliveira, and B. H. Wildenthal
Journal of Physics G 15 (1989) L79-L84

J164. Short lifetimes in ^{24}Mg for test of rotational collectivity in shell-model wave functions
J. Keinonen, P. Tikkanen, A. Kuronen, Á. Z. Kiss, E. Somorjai and B. H. Wildenthal
Nuclear Physics A493 (1989) 124-144

J163. A generalized LS-coupling scheme for shell-model calculations and related truncation schemes
Xiangdong Ji, B. H. Wildenthal, and M. Vallieres
Nuclear Physics A492 (1989) 215-236

J162. Structure of the mirror nuclei ^{21}Ne and ^{21}Na
A. Hoffman, P. Betz, H. Röpke, and B. H. Wildenthal
Zeitschrift für Physik A332 (1989) 289-304

J161. Shell-model calculations of the neutron-rich ^{40}Cl nucleus
Xiangdong Ji and B. H. Wildenthal
Physical Review C39 (1989) 701-703

J160. Neutron-proton weak coupling: Reducing shell-model dimensions by truncations in the neutron and proton subspaces
A. Etchegoyen, M. C. Etchegoyen and B. H. Wildenthal
Physical Review C39 (1989) 680-686

J159. The Structure of ^{27}Al
M. Lickert, J. Brenneisen, F. Glatz, D. Grathwohl, A. Martinez v. Remisowski, H. Röpke, J. Siefert and B. H. Wildenthal
Zeitschrift für Physik A331 (1988) 409-432

J158. Spins, parities and isospins of ^{26}Al levels: Shell-Model aspects
P. M. Endt, P. de Wit, C. Alderliesten and B. H. Wildenthal
Nuclear Physics A487 (1988) 221-250.

J157. Comparisons between shell-model calculations, seniority truncation, and quasi-particle approximations: Application to the odd Ni isotopes and odd N = 82 isotones
L. Losano, H. Dias, F. Krmpotic and B. H. Wildenthal
Physical Review C38 (1988) 2902-2920

J156. Shell-model predictions for electromagnetic properties of N = 50 nuclei
Xiangdong Ji and B. H. Wildenthal
Physical Review C38 (1988) 2849-2859

J155. Elastic and inelastic scattering of 0.8 GeV protons from ^{20}Ne and ^{22}Ne
G. S. Blanpied, B. G. Ritchie, M. L. Barlett, R. W. Fergerson, G. W. Hoffmann, J. A. McGill and B. H. Wildenthal
Physical Review C38 (1988) 2180-2186

J154. Gamma decay of high spin states in ^{25}Mg above 6.1 MeV
D. M. Headly, R. K. Sheline, S. L. Tabor, U. J. Hüttmeier, C. J. Gross, E. F. Moore, B. H. Wildenthal, H. R. Weller, R. M. Whitton and I. Ragnarsson
Physical Review C38 (1988) 1698-1721

J153. Analysis of magnetic dipole transitions between *sd*-shell states
M. C. Etchegoyen, A. Etchegoyen, B. H. Wildenthal, B. A. Brown and J. Keinonen
Physical Review C38 (1988) 1382-1391

J152. Test of the singly magic character of the N=50 isotone ^{83}As populated in ^{83}Ge decay
J. A. Winger, J. C. Hill, F. K. Wohn, R. L. Gill, X. Ji and B. H. Wildenthal
Physical Review C38 (1988) 285-294

J151. Ground state Ml strengths of $d_{5/2}^{-1}$ levels in ^{39}K
R. Moreh, W. M. Sandefur, W. C. Sellyey, D. C. Sutton and B. H. Wildenthal
Physical Review C37 (1988) 2428-2434

J150. Rotational collectivity in shell-model wave functions for A =20-28 nuclei
M. Carchidi and B. H. Wildenthal
Physical Review C37 (1988) 1681-1696

J149. Elastic and inelastic scattering of 0.8 GeV protons from ^{40}Ar
G. S. Blanpied, B. G. Ritchie, M. L. Barlett, R. W. Fergerson, J. A. McGill and B. H. Wildenthal
Physical Review C37 (1988) 1304-1306

J148. Effective Interaction for N=50 isotones
X. Ji and B. H. Wildenthal
Physical Review C37 (1988) 1256-1266

J147. Status of the nuclear shell model
B. A. Brown and B. H. Wildenthal
Annual Review of Nuclear and Particle Science 38 (1988) 29-65

J146. Semi-empirical effective interactions for the ls-0d shell
B. A. Brown, W. A. Richter, R. E. Julies and B. H. Wildenthal
Annals of Physics 182 (1988) 191-236

J145. Beta decay rates of sd-shell nuclei in stellar interiors
T. Kajino, E. Shiino, H. Toki, B. A. Brown and B. H. Wildenthal
Nuclear Physics A480 (1988) 175-187

J144. Empirically optimum Ml operator for sd-shell nuclei
B. A. Brown and B. H. Wildenthal
Nuclear Physics A474 (1987) 290-306

J143. High-spin states and rotational coexistence in ^{25}Mg
D. M. Headly, R. K. Sheline, S. L. Tabor, U. J. Hüttmeier, C. J. Gross, E. F. Moore, B. H. Wildenthal, H. R. Weller, R. M. Whitton and I. Ragnarsson
Physics Letters B198 (1987) 433-437

J142. Prediction of a new high-spin mode of transverse excitation in electron scattering from nuclei
B. A. Brown and B. H. Wildenthal
Physics Letters B198 (1987) 29-32

J141. Gamow-Teller and Ml Strength in the ^{32}S(p,n)^{32}Cl Reaction at 135 MeV
B. D. Anderson, T. C. Chittrakarn, A. R. Baldwin, C. Lebo, R. Madey, P. C. Tandy, J. W. Watson, C. C. Foster, B. A. Brown and B. H. Wildenthal
Physical Review C36 (1987) 2195-2205

J140. Gamow-Teller beta decay of ^{29}Na: Comparison with shell-model predictions
P. Baumann, Ph. Dessagme, A. Huck, G. Klotz, A. Knipper, G. Marguier, C. Miehe, M. Ramdane, C. Richard-Serre, G. Walter and B. H. Wildenthal
Physical Review C36 (1987) 765-773

J139. Short lifetimes in ^{30}P
P. Tikkanen, J. Keinonen and R. Lappalainen and B. H. Wildenthal
Physical Review C36 (1987) 32-43

J138. Gamow-Teller Strength in the ^{26}Mg(p,n)^{26}Al Reaction at 135 MeV and its Fractionation into T= 0, 1, and 2 Isospin Channels
R. Madey, B. S. Flanders, B. D. Anderson, A. R. Baldwin, C. Lebo, J. W. Watson, S. M. Austin, A. Galonsky, B. H. Wildenthal and C. C. Foster
Physical Review C35 (1987) 2011-2022

J137. Study of (π,p) reactions at low excitation energy
G. S. Blanpied, C. S. Mishra, G. S. Adams, B. M. Preedom, C. S. Whisnant, J. P. Egger, C. L. Morris, H. Breur, N. S. Chant, B. G. Richie, B. H. Wildenthal, B. Hoistad and B. A. Brown
Physical Review C35 (1987) 1567-1569

J136. Ml radiation widths in ^{27}Al
R. Vodhanel, R. Moreh, W. C. Sellyey, M. K. Brussel and B. H. Wildenthal
Physical Review C35 (1987) 921-930

J135. Lifetime of the lowest 0^+, T=l state of ^{22}Na
B. T. Neyer, D. L. Clark, J. S. Dunham, W. A. Seale, J. L. Thornton, R. T. Westervelt, S. S. Hanna, B. A. Brown and B. H. Wildenthal
Physical Review C35 (1987) 890-893

J134. Core Polarization Effects on Transition Densities in Medium-Heavy Nuclei
H. Sagawa, O. Scholten, B. A. Brown and B. H. Wildenthal
Nuclear Physics A462 (1987) 1-25

J133. Quadrupole moments of sd-shell nuclei
M. Carchidi, B. H. Wildenthal and B. A. Brown
Physical Review C34 (1986) 2280-2297

J132. Structure of ^{22}Mg, ^{26}Si, Ar and ^{38}Ca via the (^{3}He,n) reaction
W. P. Alford, P. Craig, D. A. Lind, R. S. Raymond, J. Ullman, C. D. Zafiratos and B. H. Wildenthal
Nuclear Physics A457 (1986) 317-336

J131. Two-neutron excitations in ^{26}Mg and ^{30}Si
W. P. Alford, J. A. Cameron, E. Habib and B. H. Wildenthal
Nuclear Physics A454 (1986) 189-212

J130. High-spin states in ^{26}Mg
F. Glatz, S. Norbert, E. Bitterwolf, A. Burkard, F. Heidinger, Th. Kern, R. Lehmann, H. Röpke, J. Siefert, C. Schneider and B. H. Wildenthal
Zeitschrift für Physik A324 (1986) 187-204

J129. Search for predicted high-spin states in ^{28}Si
F. Glatz, M. Lickert, A. Bunkard, Th. Kern, R. Lehmann, S. Norbert, H. Röpke, J. Siefert and B. H. Wildenthal
Zeitschrift für Physik A324 (1986) 173-186

J128. Electric hexadecupole strength in ^{32}S and shell-model predictions for systematics in the sd shell
B. H. Wildenthal, B. A. Brown and I. Sick
Physical Review C32 (1985) 2185-2188

J127. Beta-delayed proton decays of ^{27}P and ^{31}Cl: A study of Gamow-Teller decays with large Q-values
J. Aysto, X. J. Xu, D. M. Moltz, J. E. Reiff, J. Cerny and B. H. Wildenthal
Physical Review C32 (1985) 1700-1706

J126. Shell-model analysis of high-resolution data for elastic and inelastic electron scattering on ^{19}F
B. A. Brown, B. H. Wildenthal, C. F. Williamson, F. N. Rad, S. Kowalski, J. Heisenberg, H. Crannell and J. T. O'Brien
Physical Review C32 (1985) 1127-1156

J125. Spin-tensor analysis of effective nuclear interactions in the ls-0d shell
B. A. Brown, W. A. Richter and B. H. Wildenthal
Journal of Physics G 11 (1985) 1191-1198

J124. Experimental and theoretical Gamow-Teller beta-decay observables for the sd-shell nuclei
B. A. Brown and B. H. Wildenthal
Atomic Data and Nuclear Data Tables 33 (1985) 347-404

J123. Relationship between Gamow-Teller transition probabilities and (p,n) cross sections at small momentum transfers
J. W. Watson, W. Pairsuwan, B. D. Anderson, A. R. Baldwin, B. S. Flanders, R. Madey, R. J. McCarthy, B. A. Brown and B. H. Wildenthal
Physical Review Letters 55 (1985) 1369-1372

J122. The g-factor of 4^+ states in the N=82 isotones ^{136}Xe and ^{138}Ba
Z. Berant, A. Wolf, John C. Hill, F. K. Wohn, R. L. Gill H. Mach, M. Rafailovich, H. Kruse, B. H. Wildenthal, G. Peaslee, A. Aprahamian, J. Goulden and C. Chung
Physical Review C31 (1985) 570-574

J121. The ^{27}Al(t,p)^{29}Al reaction at E_t = 15 MeV
C. Bland, H. T. Fortune, D. L. Watson, M. A. Abouzeid and B. H. Wildenthal
Nuclear Physics A431 (1984) 237-255

J120. Excitation of the ground state rotational band in ^{20}Ne by 0.8 GeV protons
G. S. Blanpied, G. A. Balchin, G. E. Langston, B. G. Ritchie, M. L. Bartlett, G. W. Hoffman, J. A. McGill, M. A. Franey, M. Gazzaly and B. H. Wildenthal
Physical Review C30 (1984) 1233-1237

J119. Level densities in ^{20}F: Experimental, shell model and weak-coupling results
H. T. Fortune and B. H. Wildenthal
Physical Review C30 (1984) 1063-1065

J118. Bound state Ml transitions in sd-shell nuclei
U. E. P. Berg, K. Ackermann, K. Bangert, C. Blasing, W. Naatz, R. Stock, K. Wienhard, M. K. Brussel, T. E. Chapuran and B. H. Wildenthal
Physics Letters 140B (1984) 191-196

J117. Observation of quenching in isoscalar and isovector $0^+ \rightarrow 1^+$ transitions in ^{28}Si(p,p)
N. Anantaraman, B. A. Brown, G. M. Crawley, A. Galonsky, C. Djalali, N. Marty, M. Morlet, A. Willis, J. C. Jourdain and B. H. Wildenthal
Physical Review Letters 52 (1984) 1409-1412

J116. Simultaneous analysis of magnetic moments and elastic magnetic electron scattering form factors
B. A. Brown, R. Radhi and B. H. Wildenthal
Physics Letters 133B (1983) 5-8

J115. Corrections to the free-nucleon values of the single-particle matrix elements of the Ml and Gamow-Teller operators, from a comparison of shell-model predictions with sd-shell data
B. A. Brown and B. H. Wildenthal
Physical Review C28 (1983) 2397-2413

J114. Predicted features of the beta decay of neutron-rich sd-shell nuclei
B. H. Wildenthal, M. S. Curtin and B. A. Brown
Physical Review C28 (1983) 1343-1366

J113. Electric quadrupole and hexadecupole nuclear excitations from the perspectives of electron scattering and modern shell-model theory
B. A. Brown, R. Radhi and B. H. Wildenthal
Physics Reports 101 (1983) 314-358

J112. Gamow-Teller strength in the ^{18}O(p,n)^{18}F reaction at 135 MeV
B. D. Anderson, A. Fazely, R. J. McCarthy, P. C. Tandy, J. W. Watson, R. Madey, W. Bertozzi, T.N. Buti, J. M. Finn, J. Kelly, M. A. Kovash, B. Pugh, B. H. Wildenthal and C. C. Foster
Physical Review C27 (1983) 1387-1393

J111. Strengths of transitions between 0^+ and 1^+ states and their relationship to inelastic electron scattering form factors: the example of ^{24}Mg
B. A. Brown and B. H. Wildenthal,
Physical Review C27 (1983) 1296-1301

J110. The ^{26}Mg(^{3}He,n)^{28}Si reaction
W. K. D. Bohne, H. Buchs, K. Fuchs, D. Grabisch, U. Hilscher, U. Janke, T. G. Kenge, H. Masterson, H. Morgenstern and B. H. Wildenthal
Nuclear Physics A378 (1982) 525

J109. Isovector E2 matrix elements from electromagnetic transitions in the sd-shell: experiment and shell model calculations
B. A. Brown, B. H. Wildenthal, W. Chung, S. E. Massen, M. Bernas, A. M. Bernstein, R. Miskimen, V. R. Brown and V. A. Madsen
Physical Review C26 (1982) 2247-2272

J108. (d,^{2}He) reaction at E_d =99 MeV
K. B. Beard, J. Kasagi, E. Kashy, B. H. Wildenthal, D. L. Freisel, H. Nann and R. E. Warner
Physical Review C26 (1982) 720-722

J107. Shell-model calculation of Ml scattering strengths in ^{42,44,48}Ca
J. B. McGrory and B. H. Wildenthal
Physics Letters 103B (1981) 173-176

J106. Energy levels in ^{23}Mg from the ^{25}Mg(p,t)^{23}Mg reaction
H. Nann, A. Saha and B. H. Wildenthal
Physical Review C23 (1981) 606-615

J105. Collapse of the conventional shell-model ordering in the very-neutron-rich isotopes of Na and Mg
B. H. Wildenthal and W. Chung
Physical Review C22 (1980) 2260-2262

J104. ^{24}Mg(^{18}O,^{16}O)^{26}Mg reaction at E(^{18}O)=50 MeV including scattering in entrance and exit channels
M. Bernas, F. Pougheon, M. Roy-Stephan, G. P. A. Berg, B. Berthier, J. P. LeFevre and B. H. Wildenthal
Physical Review C22 (1980) 1872-1884

J103. The effective M3 operator and relevant transitions in ^{24}Al, ^{24}Na, ^{34}Cl, ^{38}K and ^{38}Cl
B. A. Brown, S. E. Massen, W. Chung, B. H. Wildenthal and T. A. Shibata
Physical Review C22 (1980) 842-852

J102. Electromagnetic multipole moments of ground states of stable odd-mass nuclei in the sd-shell
B. A. Brown, W. Chung and B. H. Wildenthal
Physical Review C22 (1980) 774-786

J101. Inelastic scattering E4 transition probabilities in the 0d, ls shell
B. A. Brown, W. Chung and B. H. Wildenthal
Physical Review C21 (1980) 2600-2612

J100. Relative importance of neutron and proton components of nuclear transitions and comparative π^-/π^+ inelastic scattering
B. A. Brown and B. H. Wildenthal
Physical Review C21 (1980) 2107-2110

J99. Systematics of ground-state (t,p) cross sections in the 2s-ld shell
H. T. Fortune, L. Bland, R. Middleton, W. Chung and B. H. Wildenthal
Physics Letters 87B (1979) 29-31

J98. Multinucleon transfer reactions induced by ^{18}O on ^{28}Si
M.C. Mermas, A. Greiner, B.T. Kim, M.A.G. Fernandes, N. Lisbona, E. Muller, W. Chung and B. H. Wildenthal
Physical Review C20 (1979) 2130-2142

J97. ^{20}O from $^{18}O(t,p)$
S. LaFrance, H. T. Fortune, S. Mordechai, M. E. Cobern, G. E. Moore, R. Middleton, W. Chung and B. H. Wildenthal
Physical Review C20 (1979) 1673-1679

J96. $^{17}O(^{3}He,p)^{19}F$ and the structure of ^{19}F
J. N. Bishop, L. R. Medsker, H. T. Fortune and B. H. Wildenthal
Physical Review C20 (1979) 1221-1227

J95. Mechanism of the $^{26}Mg(^{18}O,^{16}O)^{28}Mg$ reaction at $E(^{18}O) = 50$ MeV and the energy levels of ^{28}Mg
M. Bernas, M. Roy-Stephan, F. Pougheon, M. Langevin, G. Rotbard, P. Roussel, J. B. LeFevre, M. C. Lemaire, K. S. Low and B. H. Wildenthal
Physical Review C19 (1979) 2246-2258

J94. (p,t) and $(p,^{3}He)$ reactions on ^{33}S
H. Nann and B. H. Wildenthal
Physical Review C19 (1979) 2146-2154

J93. Parity of $^{19}F(5.10)$ and $^{19}Ne(5.09)$
H. T. Fortune, J. N. Bishop, H. Nann and B. H. Wildenthal
Physical Review C19 (1979) 1147-1148

J92. Alpha-particle spectroscopy in Ni and Zn
C. L. Bennett, H. W. Fulbright, J. F. A. van Hienen, W. Chung and B. H. Wildenthal
Physical Review C19(1979) 1099-1106

J91. Alpha-transfer spectroscopic factors in ^{23}Na
W. Chung, H. T. Fortune and B. H. Wildenthal
Physical Review C19 (1979) 530-532

J90. Electroexcitation and the determination of the K-band structure of $^{24}Mg^{*}$
H. Zarek, S. Yen, B. O. Pich, T. E. Drake, C. F. Williamson, S. Kowalski, C. P. Sargent, W. Chung, B. H. Wildenthal, M. Harvey and H. C. Lee
Physics Letters 80B (1978) 26-29

J89. Shell-model predictions of α-spectroscopic factors between ground states of $16 \leq A \leq 40$ nuclei
W. Chung, J. F. A. van Hienen, B. H. Wildenthal and C. L. Bennett
Physics Letters 79B (1978) 381-384

J88. Direct determination of $[(sd)^3]_{5/2\ 1/2}(\ lp^{-2})_{01}$ component in $^{17}O(g.s.)$
H. T. Fortune, J. N. Bishop, L. R. Medsker and B. H. Wildenthal
Physical Review Letters 41 (1978) 527-529

J87. Study of the $^{17}O(\alpha,d)^{19}F$ reaction
H. T. Fortune, L. R. Medsker, H. Nann and B. H. Wildenthal
Nuclear Physics A301 (1978) 441-447

J86. Empirical renormalization of the one-body Gamow-Teller beta-decay matrix elements in the ls-0d shell
B. A. Brown, W. Chung and B. H. Wildenthal
Physical Review Letters 40 (1978) 1631-1635

J85. Configuration of ^{19}Ne (4.033, $3/2^+$)
H. T. Fortune, H. Nann and B. H. Wildenthal
Physical Review C18 (1978) 1563-1565

J84. $^{21}Ne(^3He,p)^{23}Na$ reaction
H. T. Fortune, J. R. Powers, R. Middleton, H. Nann and B. H. Wildenthal
Physical Review C18 (1978) 1-8

J83. $^{31}P(^3He,d)^{32}S$ reaction at 25 MeV
J. Kalifa, J. Vernotte, Y. Deschamps, F. Pougheon, G. Rotbard, M. Vergnes and B. H. Wildenthal
Physical Review C17 (1978) 1961-1980

J82. (p,t) and (p,^{3}He) reactions on ^{39}K
H. Nann and B. H. Wildenthal
Physical Review C17 (1978) 916-926

J81. The $^{40}Ca(\alpha,d)^{42}Sc$ reaction
H. Nann, W. S. Chien, A. Saha, and B. H. Wildenthal
Nuclear Physics A292 (1977) 195-204

J80. Spectroscopy of ^{16}C
H. T. Fortune, R. Middleton, M. E. Coburn, G. E. Moore, S. Mordechai, R. V. Kollarits, H. Nann, W. Chung and B. H. Wildenthal
Physics Letters 70B (1977) 408-410

J79. Calculation of recoil-order matrix elements for the beta decays of ^{20}F and ^{20}Na
F. C. Calaprice, W. Chung and B. H. Wildenthal
Physical Review C15 (1977) 2178-2186

J78. High-spin states of $(fp)^2$ character in $^{34,35,36}Cl$ and $^{37,39}Ar$
H. Nann, W. S. Chien, A. Saha and B. H. Wildenthal
Physical Review C15 (1977) 1959-1966

J77. Anomalous quenching of S=l two-nucleon transfer
H. Nann and B. H. Wildenthal
Physical Review Letters 37 (1976) 1129-1131

J76. A coupled-channel Born approximation analysis of $^{22}Ne(p,t)^{20}Ne$ and $^{24}Mg(p,t)^{22}Mg$ using model wave functions
C. H. King, M. A. M. Shahabuddin and B. H. Wildenthal
Nuclear Physics A270 (1976) 399-412

J75. Shell model for the Zinc isotopes
F. A. van Hienen, W. Chung and B. H. Wildenthal
Nuclear Physics A269 (1976) 159-188

J74. A high resolution study of ^{26}Al via the (p,d) reaction
D. L. Show, B. H. Wildenthal, J. A. Nolen, Jr., and E. Kashy
Nuclear Physics A263 (1976) 293-314

J73. $^{34}S(p,t)^{32}S$ reaction
H. Nann and B. H. Wildenthal
Physical Review C13 (1976) 1009-1017

J72. $^{37}Cl(^3He,\alpha\gamma)^{36}Cl$ reaction: gamma-decay of the two lowest-lying T=2 states
J. Vernotte, S. Fortier, M. Langevin, J. M. Maison, M. Vergnes and B. H. Wildenthal
Physical Review C13 (1976) 461-472

J71. The strongest L=6 transitions observed in the (α,d) reaction on odd-mass A = 33-41 target nuclei
H. Nann, W. S. Chien, A. Saha and B. H. Wildenthal
Physics Letters 60B (1975) 32-34

J70. Further comment on spurious center-of-mass motion
J. B. McGrory and B. H. Wildenthal
Physics Letters 60B (1975) 5-8

J69. Structure of positive-parity states in ^{29}P and two-step processes in (p,t) reactions
K. K. Seth, A. Saha, H. Nann, and B. H. Wildenthal
Physics Letters 59B (1975) 333-335

J68. Comment on "prediction of weak-coupling structure from a shell-model basis"
H. Nann, B. H. Wildenthal, A. Saha, and K. K. Seth
Physical Review Letters 35 (1975) 609-611

J67. $f_{7/2})^2_{7,0} - d_{3/2})^{-1}$ configuration states in ^{41}Ca strongly populated in the $^{39}K(\alpha,d)$ reactions
H. Nann, W. S. Chien, A. Saha and B. H. Wildenthal
Physical Review C12 (1975) 1524-1528

J66. $^{37}Cl(p,^3He)^{35}S$ reaction
A. Guichard, H. Nann and B. H. Wildenthal
Physical Review C12 (1975) 1109-1117

J65. $^{17}O(\alpha,d)^{19}F$ to the $7/2^+$ and $11/2^+$ states
H. T. Fortune, L. R. Medsker, W. S. Chien, H. Nann and B. H. Wildenthal
Physical Review C12 (1975) 359-361

J64. A study of the nuclear structure of ^{36}Cl with the (p,d) reaction
J. A. Rice, B. H. Wildenthal, and B. M. Preedom
Nuclear Physics A239 (1975) 189-208

J63. Study of the ^{30}Si(^{3}He,p)^{32}P reaction
H. Nann, U. Friedland, B. Hubert, W. Patscher and B. H. Wildenthal
Nuclear Physics A238 (1975) 111-119

J62. The ^{29}Si(^{3}He,p)^{31}P reaction
H. Nann, B. H. Wildenthal, H. H. Duhm and H. Hafner
Nuclear Physics A236 (1975) 323-332

J61. Microscopic interpretation of inelastic proton scattering from ^{138}Ba and ^{144}Sm
Duane Larson, Sam M. Austin and B. H. Wildenthal
Physical Review C11 (1975) 1638-1648

J60. Decays of the $f_{7/2}$ isomers, $^{53}_{g}$Fe and $^{53}_{m}$Fe
J. A. Black, Wm. C. McHarris, W. H. Kelly and B. H. Wildenthal
Physical Review C11 (1975) 939-951

J59. Structure of ^{33}S from a study of the ^{34}S(p,d)^{33}S reaction at 35 MeV
A. Moalem and B. H. Wildenthal
Physical Review C11 (1975) 654-663

J58. ^{39}K(p,d)^{38}K reaction at E = 33 MeV
B. H. Wildenthal, J. A. Rice and B. M. Preedom
Physical Review C10 (1974) 2184-2196.

J57. (p,^{3}He) and (p,t) reactions on ^{29}Si
H. Nann, W. Benenson, W. A. Lanford and B. H. Wildenthal
Physical Review CIO (1974) 1001-1012

J56. Discovery of the missing two-particle, two-hole 0^{+} states in ^{40}Ca
K. K. Seth, A. Saha, W. Benenson, W. A. Lanford, H. Nann and B. H. Wildenthal
Physical Review Letters 33 (1974) 233-236

J55. (p,t) reactions on odd-A nuclei and the weak-coupling core-excitation model
K. K. Seth, A. Saha, W. Stewart, W. Benenson, W. A. Lanford, H. Nann and B. H. Wildenthal
Physics Letters 49B (1974) 794-797

J54. Prediction of weak-coupling structure from a shell-model basis
B. H. Wildenthal, H. Nann and K. K. Seth
Physical Review Letters 32 (1974) 794-797

J53. Inelastic proton scattering from ^{138}Ba and ^{144}Sm at 30 MeV
Duane Larson, Sam M. Austin and B. H. Wildenthal
Physical Review C9 (1974) 1574-1588

J52. A shell-model calculation for masses 15, 16 and 17
B. S. Reehal and B. H. Wildenthal
Particles and Nuclei 6 (1973) 137-179

J51. Mass of ^{31}S
A. Moalem and B. H. Wildenthal
Physical Review C8 (1973) 1961-1962

J50. Isospin mixing from the effective nucleon interaction
G.F. Bertsch and B. H. Wildenthal
Physical Review C8 (1973) 1023-1028

J49. Shell-model study of ^{24}Ne
R. G. H. Robertson and B. H. Wildenthal
Physical Review C8 (1973) 241-246

J48. An anomalous Ml transition in ^{38}Cl
S. Maripuu, B. H. Wildenthal and A. O. Evaraye
Physics Letters 43B (1973) 368-370

J47. Shell-model calculations for A=18, 19 and 20 nuclei with core excitation included explicitly
J. B. McGrory and B. H. Wildenthal
Physical Review C7 (1973) 974-993

J46. Shell-model calculations for masses 27, 28 and 29:
specific applications to ^{27}Mg, ^{28}Mg, ^{28}Al and ^{29}Al
M. J. A. de Voigt and B. H. Wildenthal
Nuclear Physics A206 (1973) 305-320

J45. Shell-model calculation for masses 27, 28 and 29:
general methods and specific applications to ^{27}Al, ^{28}Si and ^{29}Si
B. H. Wildenthal and J. B. McGrory
Physical Review C7 (1973) 714-732

J44. Calculations of allowed beta decay in the (0d-1s) shell
W. A. Lanford and B. H. Wildenthal
Physical Review C7 (1973) 668-676

J43. Energy levels in ^{142}Nd
S. Raman, J. L. Foster, Jr., O. Dietzsch, D. Spalding, L. Bimbot and B. H. Wildenthal
Nuclear Physics A201 (1973) 21-40

J42. Investigation of the ^{32}S(^{3}He,p)^{34}Cl reaction
H. Nann, L. Armbruster and B. H. Wildenthal
Nuclear Physics A198 (1972) 11-20

J41. Microscopic (p,p') calculations and polarization charges with large-basis shell-model wave functions
Duane Larson, S. M. Austin and B. H. Wildenthal
Physics Letters 42B (1972) 153-156

J40. Shell-model calculations for ^{22}Na and ^{22}Ne
B. M. Preedom and B. H. Wildenthal
Physical Review C6 (1972) 1633-1644

J39. Spins of states in ^{19}O near 2.7 MeV excitation
D. J. Crozier, H. T. Fortune, R. Middleton, J. L. Wiza and B. H. Wildenthal
Physics Letters 41B (1972) 291-294

J38. Inelastic proton scattering from ^{138}Ba and ^{144}Sm at 30 MeV
D. Larson, S. M. Austin and B. H. Wildenthal
Physics Letters 41B (1972) 145-147

J37. Study of the ^{27}Al(^{3}He,p)^{29}Si reaction
H. Nann, T. Mozgovoy, R. Bass and B. H. Wildenthal
Nuclear Physics A192 (1972) 417-425

J36. Some comments on the cross section of ^{37}Cl for solar neutrino absorption
W. A. Lanford and B. H. Wildenthal
Physical Review Letters 29 (1972) 606-608

J35. ^{19}F(d,p)^{20}F and the nuclear structure of ^{20}F
H. T. Fortune, G. C. Morrison, R. C. Bearse, J. L. Yntema and B. H. Wildenthal
Physical Review C6 (1972) 21-29

J34. Shell-model calculations for masses 27, 28 and 29: electromagnetic transition rates and multipole moments
M. J. A. de Voigt, P. W. M. Glaudemans, J. de Boer and B. H. Wildenthal
Nuclear Physics A186 (1972) 365-378

J33. Electromagnetic transition rates in ^{28}Al
J. V. Maher, G. B. Beard, G. H. Wedberg, E. Sprenksel-Segel, A. Yousef, B. H. Wildenthal and R. E. Segel
Physical Review C5 (1972) 365-378

J32. Inelastic electron scattering form factors calculated from shell-model wave functions
G. R. Hammerstein, Duane Larson and B. H. Wildenthal
Physics Letters 39B (1972) 176-178

J31. Calculations of T=2 to T=1 to T=0 Ml decays in A = 20 and A = 32 nuclei
S. Maripuu and B. H. Wildenthal
Physics Letters 38B (1972) 464-466

J30. The structure of the lighter N = 82 nuclei
B. H. Wildenthal and Duane Larson
Physics Letters 37B (1971) 266-268

J29. Structure of nuclei with masses A = 30-35, as calculated in the shell model
B. H. Wildenthal, J. B. McGrory, E. C. Halbert and H. D. Graber
Physical Review C4 (1971) 1708-1758

J28. Calculations with a ls-0d shell model for A = 34-38 nuclei
B. H. Wildenthal, E. C. Halbert, J. B. McGrory and T. T. S. Kuo
Physical Review C4 (1971) 1266-1314

J27. A truncated shell-model calculation of ^{23}Na, ^{24}Mg and ^{28}Si
J. B. McGrory and B. H. Wildenthal
Physics Letters 34B (1971) 373-376

J26. Ultra-high resolution spectrometer system for charged particle studies of nuclei
H. G. Blosser, G. M. Crawley, R. DeForest, E. Kashy and B. H. Wildenthal
Nuclear Instruments and Methods 91 (1971) 61-65

J25. Study of the level structure of N = 82 nuclei via proton-transfer reactions
B. H. Wildenthal, E. Newman and R. L. Auble
Physical Review C3 (1971) 1199-1220

J24. Static quadrupole moments in A = 18-38 nuclei as predicted in the shell model
B. H. Wildenthal, J. B. McGrory and P. W. M. Glaudemans
Physical Review Letters 26 (1971) 96-99

J23. Shell-model structure of ^{35}Cl-^{35}Ar
B. H. Wildenthal, E. C. Halbert, J. B. McGrory and T. T. S. Kuo
Physics Letters 32B (1970) 339-342

J22. Shell-model structure of $^{42\text{-}50}$Ca
J. B. McGrory, B. H. Wildenthal and E. C. Halbert
Physical Review C2 (1970) 186-212

J21. Level structure in ^{145}Eu
E. Newman, K. S. Toth, R. L. Auble, R. M. Gaedke, M. F. Roche, and B. H. Wildenthal
Physical Review Cl (1970) 186-212

J20. Structure of levels of ^{141}Pr
B. H. Wildenthal
Physics Letters 29B (1969) 274-276

J19. Shell model for N = 82 nuclei
B. H. Wildenthal
Physical Review Letters 22 (1969) 1118-1120

J18. Nature of 0^+ levels in Calcium isotopes
J. B. McGrory and B. H. Wildenthal
Physics Letters 28B (1968) 237-239

J17. Study of a possible 3^+ level in ^{30}Si
B. H. Wildenthal and E. Newman
Physics Letters 28B (1968) 108-110

J16. Study of levels in ^{22}Ne , ^{26}Mg , and ^{34}S by proton pickup
B. H. Wildenthal and E. Newman
Physical Review 175 (1968) 1431-1441

J15. Levels in ^{137}Cs, ^{139}La, ^{143}Pm and ^{145}Eu observed with proton-transfer reactions
B. H. Wildenthal, E. Newman and R. L. Auble
Physics Letters 27B (1968) 628-630

J14. Shell-model calculation for nuclei of masses 30 through 33
B. H. Wildenthal, J. B. McGrory, E. C. Halbert and P. W. M. Glaudemans
Physics Letters 27B (1968) 611-613

J13. $^{39}K(d,^3He)^{38}Ar$ and the sd-shell structure of ^{38}Ar
B. H. Wildenthal and E. Newman
Nuclear Physics A118 (1969) 347-360

J12. Study of ^{41}Sc levels by the $^{40}Ca(p,\gamma)^{41}Sc$ reaction
D. H. Youngblood, B. H. Wildenthal, and C. M. Class
Physical Review 169 (1968) 859-877

J11. Shell-model calculations of B(E2) values in s-d shell nuclei with A = 19-22
E. C. Halbert, J. B. McGrory, and B. H. Wildenthal
Physical Review Letters 20 (1968) 1112-1114

J10. Shell-model calculation for A = 20-28 nuclei
B. H. Wildenthal, J. B. McGrory, E. C. Halbert and P. W. M Glaudemans
Physics Letters 26B (1968) 692-694

J9. The $^{28}Si(d,^3He)^{27}Al$ reaction and the structure of ^{28}Si and ^{27}Al
B. H. Wildenthal and E. Newman
Physical Review 167 (1968) 1027-1034

J8. Spectroscopic factors from the reaction $^{30}Si(d,p)^{31}Si$
B. H. Wildenthal and P. W. M. Glaudemans
Nuclear Physics A108 (1968) 49-62

J7. The proton single-particle states above Z = 82, as observed with the reaction $^{208}Pb(^3He,d)^{209}Bi$ at $E(^3He) = 51MeV$
B. H. Wildenthal, B. M. Preedom, E. Newman, and M. R. Cates
Physical Review Letters 19 (1967) 960-963

J6. Two-body matrix elements from a modified surface delta interaction
P. W. M. Glaudemans, P. J. Brussaard, and B. H. Wildenthal
Nuclear Physics A102 (1967) 593-601

J5. The $^{28}Si(^{3}He,^{4}He)^{27}Si$ reaction
B. H. Wildenthal and P. W. M. Glaudemans
Nuclear Physics A92 (1967) 353-364

J4. A comparison of the effective two-nucleon interaction in $2s_{1/2}$ - $1d_{3/2}$ shell nuclei with a surface delta interaction
P. W. M. Glaudemans, B. H. Wildenthal, and J. B. McGrory
Physics Letters 21 (1966) 427-429

J3. Mechanism of the Si(d,p) reactions below 3 MeV
B. H. Wildenthal, R. W. Krone, and F. W. Prosser, Jr.,
Physical Review 135 (1964) B680-B693

J2. The $^{10}B(d,\alpha)^{8}Be$ reaction and the 2.94 MeV state in ^{8}Be
K. H. Purser and B. H. Wildenthal
Nuclear Physics 44 (1963) 22-33

J1. Gamma radiation from proton capture in ^{23}Na
F. W. Prosser, Jr., W. P. Unruh, B. H. Wildenthal and R. W. Krone
Physical Review 125 (1962) 594-599

Full-length Reports in Edited Books and Conference Proceedings:

B18. Shell structure in the identical-particle, multi-orbit space for $N = 82$ nuclei
B. H. Wildenthal
Understanding the Variety of Nuclear Excitations, ed. by Aldo Covello, World Scientific Publishing Co., Singapore (1990) 35-52

B17. Shell-model calculations for exotic nuclei
B. A. Brown, E. K. Warburton and B. H. Wildenthal
Proceedings of the Workshop, Nuclear Structure of Light Nuclei Far From Stability - Experiment and Theory, ed. by G. Klotz, Centre de Researches Nucleaires, Strasbourg (1990) 147-189

B16. Shell model predictions and Gamow-Teller data
B. H. Wildenthal
Nuclear Weak Process and Nuclear Structure, ed. by M. Morita, H. Ejiri, H. Ohtsubo and T. Sato, World Scientific Publishing Co., Singapore (1989) 314-329

B15. Limits to realistic shell-model calculations
B. H. Wildenthal
Shell-Model and Nuclear Structure: Where Do We Stand?, ed. by A. Covello, World Scientific Publishing Co., Singapore (1989) 97-106

B14. Shell-model analyses of weak and electromagnetic data: The interplay of many-body and single-nucleonic features
B. H. Wildenthal
Weak and Electromagnetic Interactions in Nuclei, ed. by H. V. Klapdor, Springer-Verlag (1986) 18-24

B13. Analysis of features in the A=34-48 region in terms of $d_{3/2}$ and $f_{7/2}$ degrees of freedom
S. T. Hsieh, X. Ji, R. Mooy and B. H. Wildenthal
Nuclear Structure at High Spin, Excitation and Momentum Transfer, ed. by Hermann Nann, AIP Conference Proceedings No. 142 (1986) 357-375

B12. The common genesis of energy eigenstates in the ls,0d shell
B. H. Wildenthal
Nuclear Shell Models, ed. by M. Vallieres and B. H. Wildenthal, World Scientific Publishing Co., Singapore, (1985)346-364

B11. Shell model predictions for the broad trends and fine details of electromagnetic matrix elements nuclei
B. H. Wildenthal
Capture Gamma-ray Spectroscopy and Related Topics (International Symposium, Knoxville, Tennessee, September 10-14, 1984), AIP Conference Proceedings No. 125, ed. by S. Raman, American Institute of Physics, New York (1985) 89-102

B10. Electromagnetic and Weak Observables in the Context of the Shell Model
Proceedings of the International Symposium on Electromagnetic Properties of Atomic Nuclei, ed. by H. Horie and H. Ohnuma, published by Tokyo Inst. of Technology (1984) 42-53

B9. Empirical Strengths of Spin Operators in Nuclei
B. H. Wildenthal
Progress in Particle and Nuclear Physics, Vol.11, Pergammon Press, Oxford, (1984) 5-51

B8. Critique of nuclear spectroscopy
B. H. Wildenthal
Proceedings of the Conference on Nuclear Structure and Particle Physics of the Institute of Physics, Oxford, 6-8 April, 1981 (1981) 85-125

B7. Large scale shell-model calculations
J. B. McGrory and B. H. Wildenthal
Annual Review of Nuclear and Particle Science, Vol. 30 (1980) 383-436

B6. Microscopic structure of $\Delta J = 1^+$ excitations in sd-shell nuclei
B. H. Wildenthal and W. Chung
The (p,n) Reaction and the Nucleon-Nucleon Force ed. by C.D. Goodman et al.,
Plenum Press, New York (1980) 89-114

B5. Implications of experimental magnetic moment values in light nuclei for the presence and characteristics of mesonic exchange currents
B. H. Wildenthal and W. Chung
Mesons in Nuclei, ed. by M. Rho and D. H. Wilkinson, North-Holland Publ. Co. (1979) 723-753

B4. Analysis of nuclear spectroscopic data with the shell model
B. H. Wildenthal
NUKLEONIKA Vol. 23 (1978) 459-506

B3. Realistic shell-model calculations
B. H. Wildenthal
Elementary Modes of Excitation in Nuclei
(Proceedings of the International School of Physics Enrico Fermi; course 69) Italian Physical Society, ed. by A. Bohr and R.A. Broglia, North-Holland Publ. Co. (1977) 383-462

B2. An s-d shell-model study for A = 18-22
E. C. Halbert, J. B. McGrory, B. H. Wildenthal and S. P. Pandya
Advances in Nuclear Physics, Vol. IV ed. by M. Baranger and E. Vogt, Plenum Press, New York (1971) 315-442

B1. The ^{3}He(^{3}He,2p)^{4}He reaction
J. P. Aldridge, III, B. H. Wildenthal, and D. H. Youngblood
Reviews of Modern Physics 37 (1965) 430-429

Invited Talks - 1976 and later (duplicates listing above when proceedings were published):

T22. Large-scale shell model calculations
4^{th} International Spring Seminar on Nuclear Physics: The Building Blocks of Nuclear Structure, Amalfi, Italy, May 18-22, 1992

T21. Shell structure in multi-orbit, identical-particle spaces: the $N = 82$ isotones
3^{rd} International Spring Seminar on Nuclear Physics: Understanding the Variety of Nuclear Excitations Ischia, Italy, May 21-25, 1990

T20. Shell-model calculations for exotic nuclei, II
Nuclear Structure of Light Nuclei Far From Stability - Experiment and Theory
Obernai, France, November 27-24, 1989

T19. Shell-model predictions and Gamow-Teller Data
XXIII Yamada Conference on Nuclear Weak Processes and Nuclear Structure
Osaka, Japan, June 12-15, 1989

T18. Shell-model Calculations
2^{nd} International Spring Seminar on Nuclear Physics, Capri, May 16-20, 1988

T17. Shell-model analyses of weak and electromagnetic data: The interplay of many-body and single-nucleonic features
International Symposium on Weak and Electromagnetic Interactions in Nuclei
Heidelberg, July 1-5, 1986

T16. Application of a $d_{3/2}$-$f_{7/2}$ shell model to selected structural features of nuclei in the A=34-48 region
1985 Workshop, Indiana University Cyclotron Facility
Bloomington, Indiana, October 21-23, 1985

T15. Shell-model extrapolations from stable to far-from stable nuclei
Recent Advances in the Study of Nuclei off the Line of Stability, A Symposium of the Division of Nuclear Chemistry and Technology, American Chemical Society
Chicago, Illinois, September 8-13, 1985

T14. Understanding the strengths of magnetic dipole translations
Transition Moments in Nuclei - A Symposium in Honor of Dieter Kurath
Argonne, Illinois, June 6-8, 1985

T13. The common genesis of energy eigenstates in the ls,0d shell
International Symposium on Nuclear Shell Models,
Drexel University, October 31-November 3, 1984

T12. Shell model predictions for the broad trends and fine details of electromagnetic matrix elements in nuclei
Fifth International Symposium on Capture Gamma-ray Spectroscopy and Related Topics,
Knoxville, Tennessee, September 10-14, 1984

T11. Modern Experiments and the 'Neo-Classical Shell Model'
187th National Meeting of the American Chemical Society, St. Louis, Missouri, April 8-13, 1984

T10. Electromagnetic and Weak Observables in the Context of the Shell Model
International Symposium on Electromagnetic Properties of Atomic Nuclei,
Tokyo, Japan, November 9-12, 1983

T9. Calculation of all sd-shell Nuclear States from a Single, A-dependent Hamiltonian
Fall meeting of the Division of Nuclear Physics, Notre Dame, Indiana, October 13-15, 1983,
Bulletin of the American Physical Society 28 (1983) 987

T8. Analysis of Data on Nuclear Spin Excitations
International School of Nuclear Physics, Erice, Sicily, April 6-18, 1983

T7. A Critique of Nuclear Spectroscopy
Annual Conference of the Institute of Physics on Nuclear Structure and Particle Physics
Oxford, April 6-8, 1981

T6. Ml and Gamow-Teller Transition Rates in Light Nuclei
Annual Meeting of the American Physical Society, New York, N. Y., January 26-29, 1981
Bulletin of the American Physical Society 26 (1981) 12

T5. Analysis of Nuclear Spectroscopic Data with the Shell Model
Summer School on Nuclear Physics of the University of Warsaw,
Mikolakji, Poland, September 1-10, 1977

T4. The Nuclear Shell Model
International Summer School on Nuclear Physics,
Nijenrode, The Netherlands, August 14-28, 1977

T3. Extraction of the Fundamental Paramenters of Nuclear Structure from Nuclear Data via the Shell Model
International Winter School on Nuclear Physics of the
University of Milan, Bormio, Italy, January 15-20, 1977

T2. Shell-Model Calculations in the sd-shell
Gordon Research Conference on Photonuclear Reactions
Plymouth, New Hampshire, August 9-13, 1976

T1. Shell-model Calculations in Large Dimensioned Spaces
Varenna Summer School on Nuclear Physics
Varenna, Italy, July 26-August 6, 1976

Books Edited:

E2. *Relations Between Structure & Reactions in Nuclear Physics*
D. H. Feng, M. Vallieres and B. H. Wildenthal
World Scientific Publishing Co., Singapore (1987)

El. *Nuclear Shell Models*
M. Vallieres and B. H. Wildenthal
World Scientific Publishing Co., Singapore (1985)