

JEFF ALLEN WINGER

ADDRESS

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EDUCATION

Iowa State University, Ames, Iowa
Doctor of Philosophy, May 1987
Major: Nuclear Physics
Dissertation Title: "Shell model studies of the N=50 isotones in the ^{78}Ni 'doubly magic' region"
Dissertation Abstract: Diss. Abst. Int. **48B** (1987) 1079
GPA: 3.80/4.00

University of Kansas, Lawrence, Kansas
Bachelor of Science, May 1982
Major: Engineering Physics
GPA: 3.83/4.00

EMPLOYMENT

Department of Physics and Astronomy
Mississippi State University, Mississippi State, Mississippi
Professor, August 2003 to Present
Acting Department Head, January to June 2009, September 2016 to June 2017
Associate Department Head, August 2001 to May 2005, August 2006 to Present
Sabbatical, Oak Ridge National Laboratory, August 2005 to June 2006
Associate Professor, August 1997 to August 2003 (Tenured August 1999)
Interim Department Head, May to August 2001
Assistant Professor, January 1994 to August 1997

Cyclotron Institute
Texas A&M University, College Station, Texas
Research Associate, March 1993 to December 1993

National Superconducting Cyclotron Laboratory
Michigan State University, East Lansing, Michigan
Research Associate, July 1989 to February 1993

Ames Laboratory
Physics Department, Ames, Iowa
Postdoctoral Associate (at Brookhaven National Laboratory), May 1987 to July 1989

Iowa State University
Physics Department, Ames, Iowa
Research Assistant, June 1984 to May 1987
Teaching Assistant, June 1982 to May 1984

University of Kansas
Department of Physics and Astronomy, Lawrence, Kansas
Undergraduate Teaching Assistant, September 1980 to May 1982

JEFF ALLEN WINGER

HONORS

Phi Kappa Phi, National Honor Society, Inducted 1981
Sigma Pi Sigma, Physics Honor Society, Inducted 1981
Tau Beta Pi, Engineering Honor Society, Inducted 1981
Graduated Summa Cum Laude, University of Kansas, 1982
Sigma Xi, Scientific Research Honor Society, Inducted 1987
Research Excellence Award, Iowa State University, 1987

PROFESSIONAL MEMBERSHIPS

American Physical Society
 Division of Nuclear Physics
 Forum on Education
 Forum on History of Physics
 Southeastern Section
Mississippi Academy of Sciences
Mississippi Association of Physicists
Sigma Xi

DEPARTMENTAL, COLLEGE, UNIVERSITY AND NATIONAL COMMITTEES

Department of Physics and Astronomy
 Faculty Advisor for the Society of Physics Students, August 1994 to May 2002
 College of Arts and Sciences Faculty Senate representative, September 1995 to May 1999
 Computer Resources Committee(Chair), 1997 to 2006
 Department of Physics and Astronomy Facility Resources Committee, 1997 to 2006
 Undergraduate Program Committee, 1997 to Present
 Undergraduate Advisor, 1997 to present
College of Arts and Sciences
 Courses and Curricula Committee, 1997/98 Academic Year
 University Ad Hoc Committee on Computer Requirements, February 2002 to April 2003
University
 MSU Sigma Xi Chapter
 Vice-President, July 1999 - June 2000
 President, July 2000 - June 2001
 University Course and Curricula Committee, August 2017 to present
National
 Sigma Xi Southeastern Regional Nominating Committee, November 1999 to October 2002
 NSCL Users Executive Committee, October 2000 to September 2003
 Chair, November 2002 to October 2003
 HRIBF Users Executive Committee, January 2009 to December 2011
 Chair, January 2010 to December 2011
 University Radioactive Ion Beam (UNIRIB) Consortium, Users Executive Committee,
 August 1998 to August 2015
 Associate Chairman, October 2003 to January 2006
 Chairman, January 2006 to August 2015

PUBLICATIONS IN REFEREED JOURNALS AND CONFERENCE PROCEEDINGS

1. "The half-life of ^{80}Zn : The first measurement for an r-process waiting-point nucleus"
R. L. Gill, R. F. Casten, D. D. Warner, A. Piotrowski, H. Mach, John C. Hill, F. K. Wohn, J. A. Winger, and R. Moreh, Phys. Rev. Lett. **56**, 1874 (1986)
2. "Cross sections for the production of ^{11}C in C targets by ^{20}Ne and ^{56}Fe at relativistic energies"
John C. Hill, J. A. Winger, C. M. McCullough, A. R. Smith, J. B. McCaslin, and P. J. Karol, Phys. Rev. **C33**, 557 (1986)
3. "Magnetic moments of the 2_1^+ state in $^{146,148}\text{Ce}$ "
R. L. Gill, D. D. Warner, H. Mach, A. Piotrowski, A. Wolf, John C. Hill, F. K. Wohn, J. A. Winger, and B. Fogelberg, Phys. Rev. **C33**, 1030 (1986)
4. "Electromagnetic dissociation of ^{59}Co , ^{89}Y , and ^{197}Au targets by relativistic heavy ions to $Z=26$ "
M. T. Mercier, John C. Hill, F. K. Wohn, C. M. McCullough, M. E. Nieland, J. A. Winger, C. B. Howard, S. Renwick, D. K. Mathesis, and A. R. Smith, Phys. Rev. **C33**, 1655 (1986)
5. "Identification and decay of neutron-rich ^{102}Sr and level structure of $A \approx 100$ Y nuclei"
John C. Hill, J. A. Winger, F. K. Wohn, R. F. Petry, J. D. Goulden, R. L. Gill, A. Piotrowski, and H. Mach, Phys. Rev. **C33**, 1727 (1986)
6. "g-factor of the 2_1^+ state in ^{142}Ba "
R. L. Gill, D. D. Warner, A. Wolf, and J. A. Winger, Phys. Rev. **C34**, 1983 (1986)
7. "Level structure of ^{148}Ba : A test of the $N_p N_n$ Scheme far from stability"
John C. Hill, K. Leininger, J. A. Winger, M. E. Nieland, R. L. Gill, A. Piotrowski, R. F. Petry, and J. D. Goulden, Phys. Rev. **C34**, 2312 (1986)
8. "Decay of ^{80}Zn : Implication for shell structure and r-process nucleosynthesis"
J. A. Winger, John C. Hill, F. K. Wohn, R. Moreh, R. L. Gill, R. F. Casten, D. D. Warner, A. Piotrowski, and H. Mach, Phys. Rev. **C36**, 758 (1987)
9. "Decay of ^{100}Sr and a "pairing-free" $K^\pi=1^+$ rotational band in odd-odd ^{100}Y "
F. K. Wohn, John C. Hill, J. A. Winger, R. F. Petry, J. D. Goulden, R. L. Gill, A. Piotrowski, and H. Mach, Phys. Rev. **C36**, 1118 (1987)
10. "Electromagnetic dissociation of high-Z projectiles and at ultrarelativistic energies"
John C. Hill, F. K. Wohn, J. A. Winger, and A. R. Smith, Phys. Rev. Lett. **60**, 999 (1988)
11. "Systematics of g factors in the neutron-rich $^{142,144,146}\text{Ba}$ isotopes"
A. Wolf, R. L. Gill, H. Mach, R. F. Casten, and J. A. Winger, Phys. Rev. **C37**, 1253 (1988)
12. "Cross section for the $^{12}\text{C}(^{139}\text{La}, X)^{11}\text{C}$ reaction at relativistic energies"
A. R. Smith, John C. Hill, J. A. Winger, and P. J. Karol, Phys. Rev. **C38**, 210 (1988)

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13. "Test of the singly magic character of the N=50 isotone ^{83}As populated in ^{83}Ge decay"
J. A. Winger, John C. Hill, F. K. Wohn, R. L. Gill, X. Ji, B. H. Wildenthal, *Phys. Rev.* **C38**, 285 (1988)
14. "Electromagnetic dissociation of ^{59}Co and ^{197}Au targets by relativistic ^{139}La projectiles"
John C. Hill, F. K. Wohn, J. A. Winger, M. Khayat, K. Leininger, and A. R. Smith, *Phys. Rev.* **C38**, 1722 (1988)
15. "Two-neutron emission from electromagnetic dissociation of ^{59}Co and ^{197}Au targets by relativistic heavy ions"
John C. Hill, F. K. Wohn, J. A. Winger, M. Khayat, M. T. Mercier, and A. R. Smith, *Phys. Rev.* **C39**, 524 (1989)
16. "Structure of neutron-rich ^{74}Zn from ^{74}Cu decay and shell-model calculations for even-A Zn nuclei"
J. A. Winger, John C. Hill, F. K. Wohn, E. K. Warburton, R. L. Gill, A. Piotrowski, and D. S. Brenner, *Phys. Rev.* **C39**, 1976 (1989)
17. "Picosecond lifetime measurements in $^{116,118,120}\text{Cd}$ and the structure of normal and intruder states"
H. Mach, M. Moszyński, R. F. Casten, R. L. Gill, D. S. Brenner, J. A. Winger, W. Krips, C. Wesselborg, M. Büscher, F. K. Wohn, A. Aprahamian, D. Alburger, A. Gelberg, and A. Piotrowski, *Phys. Rev. Lett.* **63**, 143 (1989)
18. "Magnetic moment of the 2_1^+ state in ^{98}Sr "
A. Wolf, K. Sistemich, H. Mach, R. L. Gill, R. F. Casten, and J. A. Winger, *JUL-Spez-442*, p.24 (1988) and *Phys. Rev.* **C40**, 932 (1989)
19. "Structure of odd-odd ^{74}Ga from the decay of neutron-rich ^{74}Zn "
J. A. Winger, John C. Hill, F. K. Wohn, and D. S. Brenner, *Phys. Rev.* **C40**, 1061 (1989)
20. "Deformation and shape coexistence of 0^+ states in ^{98}Sr and ^{100}Zr "
H. Mach, M. Moszyński, R. L. Gill, F. K. Wohn, J. A. Winger, John C. Hill, G. Molnár, and K. Sistemich, *Phys. Lett.* **B230**, 21 (1989)
21. "Meson-exchange enhancement of the first-forbidden $^{96}\text{Y}^g(0^-) \Rightarrow ^{96}\text{Zr}^g(0^+)$ β transition: β decay of the low-spin isomer of ^{96}Y "
H. Mach, E. K. Warburton, R. L. Gill, R. F. Casten, J. A. Becker, B. A. Brown, and J. A. Winger, *Phys. Rev.* **C41**, 226 (1990)
22. "Monopole strength and shape coexistence in the $A \approx 100$ mass region"
H. Mach, M. Moszyński, R. L. Gill, G. Molnár, F. K. Wohn, J. A. Winger, and John C. Hill, *Phys. Rev.* **C41**, 350 (1990)
23. "Coexistence features in the spherical-deformed $A \approx 100$ transition region: Picosecond lifetime measurements in ^{97}Sr , ^{97}Y , and ^{97}Zr "
M. Büscher, R. F. Casten, R. L. Gill, R. Schuhmann, J. A. Winger, H. Mach, M. Moszyński, and K. Sistemich, *Phys. Rev.* **C41**, 1115 (1990)

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24. " $^{12}\text{C}(^{28}\text{Si},\text{X})^{11}\text{C}$ cross section at 13.4GeV/nucleon"
J. A. Winger, John C. Hill, J. B. Cumming, and D. Beavis, Phys. Rev. **C41**, 2931 (1990)

25. Reply to "Comment on 'Monopole strength and shape coexistence in the $A \approx 100$ mass region'"
H. Mach, M. Moszyński, R. L. Gill, G. Molnár, F. K. Wohn, J. A. Winger, and John C. Hill, Phys. Rev. **C42**, 793 (1990)

26. "Strong octupole and dipole collectivity in ^{96}Zr : Indication for octupole instability in the $A=100$ mass region"
H. Mach, S. C'wiok, W. Nazarewicz, B. Fogelberg, M. Moszyński, J. Winger, and R. L. Gill, Phys. Rev. **C42**, R811 (1990)

27. "Structure of ^{76}Zn from ^{76}Cu decay and systematics of neutron-rich Zn nuclei"
J. A. Winger, John C. Hill, F. K. Wohn, E. K. Warburton, R. L. Gill, A. Piotrowski, R. B. Schuhmann, and D. S. Brenner, Phys. Rev. **C42**, 954 (1990)

28. "Structure of highlydeformed ^{102}Zr populated in decay of low- and high-spinisomers of ^{102}Y "
John C. Hill, D. D. Schwellenbach, F. K. Wohn, J. A. Winger, R. L. Gill, H. Ohm, and K. Sistemich, Phys. Rev. **C43**, 2591 (1991)

29. "Identification of new nuclei near the proton-dripline for $3 \leq Z \leq 37$ "
M. F. Mohar, D. Bazin, W. Benenson, D. J. Morrissey, N. A. Orr, B. M. Sherrill, D. Swan, J. A. Winger, A. Mueller, and D. Guillemaud-Mueller, Phys. Rev. Lett. **66**, 1571 (1991)

30. "A1200 Projectile Fragment Separator"
B. M. Sherrill, D. J. Morrissey, J. A. Nolen, Jr., and J. A. Winger, Nucl. Instrum. and Meth. **B56/57**, 1106 (1991)

31. " β -Decay Branching Ratios of the Neutron-Rich Nucleus ^{15}B "
R. Harkewicz, D. J. Morrissey, B. A. Brown, J. A. Nolen, Jr., N. A. Orr, B. M. Sherrill, J. S. Winfield, and J. A. Winger, Phys. Rev. **C44**, 2365 (1991)

32. "Initial operating experience with the A1200 fragment separator"
B. M. Sherrill, D. J. Morrissey, J. A. Nolen, Jr., N. A. Orr, and J. A. Winger, Nucl. Instrum. and Meth. **B70**, 298 (1992)

33. "INTENSITY: A Computer Program for the Estimation of Secondary Beam Intensities from a Projectile Fragment Separator"
J. A. Winger, B. M. Sherrill, and D. J. Morrissey, Nucl. Instrum. and Meth. **B70**, 380 (1992)

34. " β -Delayed Proton Decay of ^{20}Mg and Its Astrophysical Implications"
J. Görres, M. Wiescher, K. Scheller, D. J. Morrissey, B. M. Sherrill, D. Bazin, and J. A. Winger, Phys. Rev. **C46**, R833 (1992)

35. "0° Measurements of Momentum Distributions of Projectile-like Fragments"
G. A. Souliotis, D. J. Morrissey, N. A. Orr, B. M. Sherrill, and J. A. Winger, Phys. Rev. **C46**, 1383 (1992)
36. "Momentum Distributions of ${}^9\text{Li}$ Fragments Following the Breakup of ${}^{11}\text{Li}$ "
N. A. Orr, N. Anantaraman, S. M. Austin, C. A. Bertulani, K. Hanold, J. H. Kelley, D. J. Morrissey, B. M. Sherrill, G. A. Souliotis, M. Thoennessen, J. S. Winfield, and J. A. Winger, Phys. Rev. Lett. **69**, 2050 (1992)
37. "Quasielastic Scattering of ${}^{11}\text{Li}$ and ${}^{11}\text{C}$ from ${}^{12}\text{C}$ at 60 MeV/nucleon"
J. J. Kolata, M. Zahar, R. Smith, K. Lamkin, M. Belbot, R. Tighe, B. M. Sherrill, N. A. Orr, J. S. Winfield, J. A. Winger, S. J. Yennello, G. R. Satchler, and A. H. Wuosmaa, Phys. Rev. Lett. **69**, 2631 (1992)
38. "New Nuclei near the Proton Drip Line around $Z=40$ "
S. J. Yennello, J. A. Winger, T. Antaya, W. Benenson, M. F. Mohar, D. J. Morrissey, N. A. Orr, and B. M. Sherrill, Phys. Rev. **C46**, 2620 (1992)
39. "Half-life measurements for the r - p -process nuclei ${}^{61}\text{Ga}$, ${}^{63}\text{Ge}$, ${}^{65}\text{As}$ "
J. A. Winger, D. P. Bazin, W. Benenson, G. M. Crawley, D. J. Morrissey, N. A. Orr, R. Pfaff, B. M. Sherrill, M. Steiner, M. Thoennessen, S. J. Yennello, and B. M. Young, Phys. Lett. B. **299**, 214 (1993)
40. "Coulomb Dissociation of ${}^{11}\text{Li}$ "
K. Ieki, D. Sackett, A. Galonsky, C. A. Bertulani, J. J. Kruse, W. G. Lynch, D. J. Morrissey, N. A. Orr, H. Schulz, B. M. Sherrill, A. Sustich, J. A. Winger, F. Deák, Á. Horváth, Á. Kiss, Z. Seres, J. J. Kolata, R. E. Warner, and D. L. Humphrey, Phys. Rev. Lett. **70**, 730 (1993)
41. "Half-life of ${}^{32}\text{Si}$ "
Y. Chen, E. Kashy, D. Bazin, W. Benenson, D. J. Morrissey, N. A. Orr, B. M. Sherrill, J. A. Winger, B. Young, and J. Yurkon, Phys. Rev. **C47**, 1462 (1993)
42. "Neutron decay of ${}^{10}\text{Li}$ produced by fragmentation"
R. A. Kryger, A. Azhari, A. Galonsky, J. H. Kelley, R. Pfaff, E. Ramakrishnan, D. Sackett, B. M. Sherrill, M. Thoennessen, J. A. Winger, and S. Yokoyama, Phys. Rev. **C47**, R2439 (1993)
43. "Electromagnetic Excitation of ${}^{11}\text{Li}$ "
D. Sackett, K. Ieki, A. Galonsky, C. A. Bertulani, H. Esbensen, J. J. Kruse, W. G. Lynch, D. J. Morrissey, N. A. Orr, B. M. Sherrill, H. Schulz, A. Sustich, and J. A. Winger, F. Deák, Á. Horváth, Á. Kiss, Z. Seres, J. J. Kolata, R. E. Warner, and D. L. Humphrey, Phys. Rev. **C48**, 118 (1993)
44. "Study of the β -delayed α -particle emission of ${}^{16}\text{N}$ "
Z. Zhao, R. H. France III, K. S. Lai, M. Gai, E. L. Wilds, R. A. Kryger, J. A. Winger, and K. B. Beard, Phys. Rev. **C48**, 429 (1993)

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45. "Strong isomer production in fragmentation reactions"
B. M. Young, D. Bazin, W. Benenson, J. H. Kelley, D. J. Morrissey, N. A. Orr, R. Ronningen, B. M. Sherrill, M. Steiner, M. Thoennessen, J. A. Winger, S. J. Yennello, I. Tanihata, X. X. Bai, N. Inabe, T. Kubo, C.-B. Moon, S. Shimoura, T. Suzuki, R. N. Boyd, and K. Subotic, Phys. Lett. **B311**, 22 (1993)
46. "Momentum Distributions for $^{12,14}\text{Be}$ fragmentation"
M. Zahar, M. Belbot, J. J. Kolata, K. Lamkin, R. Thompson, N. A. Orr, J. H. Kelley, R. A. Kryger, D. J. Morrissey, B. M. Sherrill, J. A. Winger, J. S. Winfield, and A. H. Wousmaa, Phys. Rev. **C48**, R1484 (1993)
47. "Target isotope effect in high energy photon production at $E/A = 10$ MeV"
R. Pfaff, B. M. Young, W. Benenson, J. Clayton, D. J. Morrissey, N. A. Orr, T. Reposeur, M. Thoennessen, and J. A. Winger, Z. Phys. **A347**, 67 (1993)
48. "Half-life measurements for ^{61}Ga , ^{63}Ge , and ^{65}As and their importance in the rp -process"
J. A. Winger, D. P. Bazin, W. Benenson, G. M. Crawley, D. J. Morrissey, N. A. Orr, R. Pfaff, B. M. Sherrill, M. Thoennessen, S. J. Yennello, and B. M. Young, Phys. Rev. **C48**, 3097 (1993)
49. "Mass of ^{11}Li from the $^{14}\text{C}(^{11}\text{B}, ^{11}\text{Li})^{14}\text{O}$ Reaction"
B. M. Young, W. Benenson, M. Fauerbach, R. Pfaff, B. M. Sherrill, M. Steiner, J. S. Winfield, T. Kubo, M. Hellström, N. A. Orr, J. Stetson, J. A. Winger, and S. J. Yennello, Phys. Rev. Lett. **71**, 4124 (1993)
50. "Study of the β -delayed neutron decay of ^{18}N "
K. W. Scheller, J. Görres, J. G. Ross, M. Wiescher, R. Harkewicz, D. J. Morrissey, B. M. Sherrill, M. Steiner, N. A. Orr, and J. A. Winger, Phys. Rev. **C49**, 46 (1994)
51. "The use of radioactive nuclear beams to study the equilibration of the N/Z degree of freedom in intermediate-energy heavy-ion collisions"
S. J. Yennello, B. M. Young, J. Yee, J. A. Winger, J. S. Winfield, G. D. Westfall, A. Vandermolen, B. M. Sherrill, J. Shea, E. Norbeck, D. J. Morrissey, T. Li, E. Gualtieri, D. Craig, W. Benenson, and D. Bazin, Phys. Lett. **B321**, 15 (1994)
52. "Low-lying structure of ^{10}Li in the reaction $^{11}\text{B}(^7\text{Li}, ^8\text{B})^{10}\text{Li}$ "
B. M. Young, W. Benenson, J. H. Kelley, N. A. Orr, R. Pfaff, B. M. Sherrill, M. Steiner, M. Thoennessen, J. S. Winfield, J. A. Winger, S. J. Yennello, and A. Zeller, Phys. Rev. **C49**, 279 (1994)
53. "Quasielastic scattering of $^{12,14}\text{Be}$ on ^{12}C "
M. Zahar, M. Belbot, J. J. Kolata, K. Lamkin, R. Thompson, J. H. Kelley, R. A. Kryger, D. J. Morrissey, N. A. Orr, B. M. Sherrill, J. S. Winfield, J. A. Winger, and A. H. Wuosmaa, Phys. Rev. **C49**, 1540 (1994)
54. "Differential cross sections of Projectile-like fragments from ^{18}O and ^{40}Ar at $E/A = 80$ MeV"
G. A. Souliotis, R. Harkewicz, K. N. McDonald, D. J. Morrissey, Y. Chen, E. Kashy, B. M. Sherrill, N. A. Orr, and J. A. Winger, Phys. Rev. **C49**, 3301 (1994)

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55. "Study of the β -Delayed Neutron Decay of ^{17}C and ^{18}C "
K. W. Scheller, J. Görres, S. Vouzoukas, M. Wiescher, B. Pfeiffer, K.-L. Kratz, D. J. Morrissey, B. M. Sherrill, M. Steiner, M. Hellström, and J. A. Winger, Nucl. Phys. **A582**, 109 (1995)
56. "Parallel Momentum Distributions as a Probe of Halo Wave Functions"
J. H. Kelley, Sam M. Austin, R. A. Kryger, D. J. Morrissey, N. A. Orr, B. M. Sherrill, M. Thoennessen, J. S. Winfield, J. A. Winger, and B. M. Young, Phys. Rev. Lett. **74**, 30 (1995)
57. "Two-Proton Emission from the Ground State of ^{12}O "
R. A. Kryger, A. Azhari, M. Hellström, J. H. Kelley, T. Kubo, R. Pfaff, E. Ramakrishnan, B. M. Sherrill, M. Thoennessen, S. Yokoyama, R. J. Charity, J. Dempsey, A. Kirov, N. Robertson, D. G. Sarantites, L. G. Sobotka, and J. A. Winger, Phys. Rev. Lett. **74**, 860 (1995)
58. "Projectile-like Fragment Momentum Distributions From $^{86}\text{Kr} + \text{Al}$ at 70 MeV/nucleon"
R. Pfaff, D. J. Morrissey, M. Fauerbach, M. Hellström, J. H. Kelley, R. A. Kryger, B. M. Sherrill, M. Steiner, J. S. Winfield, J. A. Winger, S. J. Yennello, and B. M. Young, Phys. Rev. **C51**, 1348 (1995)
59. "The β -Delayed Neutron Decay of ^{14}Be "
M.D. Belbot, J. J. Kolata, K. Lamkin, R. J. Tighe, M. Zahar, R. Harkewicz, D. J. Morrissey, N. A. Orr, R. Ronningen, B. M. Sherrill, J. A. Winger, and M. Carpenter, Phys. Rev. **C51**, 2372 (1995)
60. "Momentum Distributions of ^9Li Fragments from the Breakup of ^{11}Li and the Neutron Halo"
N. A. Orr, N. Anantaraman, Sam M. Austin, C. A. Bertulani, K. Hanold, J. H. Kelley, R. A. Kryger, D. J. Morrissey, B. M. Sherrill, G. A. Souliotis, M. Steiner, M. Thoennessen, J. S. Winfield, J. A. Winger, B. M. Young, Phys. Rev. **C51**, 3116 (1995)
61. "Heavy Residues from Very Mass Asymmetric Heavy Ion Reactions"
K. A. Hanold, D. Bazin, M. F. Mohar, L. G. Moretto, D. J. Morrissey, N. A. Orr, B. M. Sherrill, J. A. Winger, G. J. Wozniak, and S. J. Yennello, Phys. Rev. **C52**, 1462 (1995)
62. "Studies of light nuclei beyond the particle driplines: the two-proton emitter ^{12}O "
R. A. Kryger, A. Azhari, M. Hellström, J. H. Kelley, T. Kubo, R. Pfaff, E. Ramakrishnan, B. M. Sherrill, M. Thoennessen, S. Yokoyama, R. J. Charity, J. Dempsey, A. Kirov, N. Robertson, D. G. Sarantites, L. G. Sobotka, and J. A. Winger, Nucl. Instrum. Meth. **B99**, 312 (1995)
63. "Search for Double Gamow-Teller Strength by Heavy-Ion Double Charge Exchange"
J. Blomgren, K. Lindh, N. Anantaraman, Sam M. Austin, G. P. A. Berg, B. A. Brown, J.-M. Casandjian, M. Charter, M. D. Cortina-Gil, S. Fortier, M. Hellström, J. R. Jongman, J. H. Kelley, A. Lepine-Szily, I. Lhenry, M. MacCormick, W. Mittig, J. Nilsson, N. Olsson, N. A. Orr, E. Ramakrishnan, P. Roussel-Chomaz, B. M. Sherrill, P.-E. Tegnér, J. S. Winfield, and J. A. Winger, Phys. Lett. **B362**, 34 (1995)

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64. "Isospin equilibration in the reaction $E/A=33$, 45 MeV⁴⁰Ar, ⁴⁰Ca+⁵⁸Fe, ⁵⁸Ni"
H. Johnston, T. White, J. Winger, D. Rowland, B. Hurst, F. Ginmeno-Nogues, D. O'Kelly, and S. J. Yennello, Phys. Lett. **B371**, 186 (1996)
65. "Fragmentation of ⁷⁸Kr projectiles"
R. Pfaff, D. J. Morrissey, W. Benenson, M. Fauerbach, M. Hellström, C. F. Powell, M. Steiner, and J. A. Winger, Rev. **C53**, 1753 (1996)
66. "Nuclear temperature of the disassemblingsource in central heavy-ion collisions from isotope yields"
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JEFF ALLEN WINGER

INVITED PAPER IN NON-REFEREED PUBLICATION/BOOK

1. "Beta-delayed neutron emission"
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PRESENTATIONS

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"Structure of the $N=50$ nucleus ^{83}As from ^{83}Ge decay"
J. A. Winger, John C. Hill, F. K. Wohn, M. E. Nieland, H. Mach, and B. H. Wildenthal
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"Electromagnetic dissociation of Au targets by ultrarelativistic ^{16}O and ^{32}S projectiles"
John C. Hill, F. K. Wohn, J. A. Winger, and A. R. Smith
4. American Physical Society Meeting, Santa Fe, NM, October 1988
"Level half-lives and systematics of the $\rho(E0)$ values of $A \approx 100$ nuclei"
H. Mach, R. L. Gill, M. Moszyński, F. K. Wohn, John C. Hill, J. A. Winger, and G. Molnár
5. Michigan State University, NSCL Seminar, East Lansing, MI, February 1989
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"Secondary Beam Intensities from a Projectile Fragment Separator"
J. A. Winger, B. M. Sherrill, and D. J. Morrissey
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J. A. Winger, D. Bazin, W. Benenson, M. F. Mohar, D. J. Morrissey, N. A. Orr, B. M. Sherrill, D. Swan, A. C. Mueller, and D. Guillemaud-Mueller
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"Initial operating experience for the A1200 beam analysis device"
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10. American Physical Society Meeting, Washington, D.C., April 1992
"Half-life Measurements for Recently Identified Nuclei Near the Proton-Drip Line"
J. A. Winger, D. Bazin, W. Benenson, G. M. Crawley, D. J. Morrissey, N. A. Orr, B. M. Sherrill, R. Fox, M. Steiner, M. Thoennessen, S. J. Yennello, and B. M. Young
11. American Physical Society Meeting, Washington, D.C., April 1992
"Lithium-9 Fragment Distributions from Lithium-11 Breakup on Light and Heavy Targets"
N. A. Orr, B. M. Sherrill, N. Anataraman, S. M. Austin, J. H. Kelley, D. J. Morrissey, G. A. Souliotis, M. Thoennessen, J. S. Winfield, J. A. Winger, and K. Hanold
12. Twelfth International Conference on the Application of Accelerators in Research and Industry, Denton, TX, November 1992
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J. A. Winger
13. University of Notre Dame, Physics Department Colloquium, Notre Dame, IN, January 1993
"Search for the Termination Point of the *rp*-process"
J. A. Winger, T. Antaya, D. P. Bazin, W. Benenson, G. M. Crawley, D. Guillemaud-Mueller, M. F. Mohar, D. J. Morrissey, A. C. Mueller, N. A. Orr, R. Pfaff, B. M. Sherrill, D. Swan, M. Steiner, M. Thoennessen, S. J. Yennello, and B. M. Young
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"The Search for the Termination Point of the *rp*-process: Half-life Measurements for ^{61}Ga , ^{63}Ge , and ^{65}As "
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15. Mississippi State University, Physics Department Colloquium, Mississippi State, MS December 1993
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J. A. Winger, T. Antaya, D. P. Bazin, W. Benenson, G. M. Crawley, D. Guillemaud-Mueller, M. F. Mohar, D. J. Morrissey, A. C. Mueller, N. A. Orr, R. Pfaff, B. M. Sherrill, D. Swan, M. Steiner, M. Thoennessen, S. J. Yennello, and B. M. Young
16. University of Kansas, Physics Department Colloquium, Lawrence, KS, December 1994
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"Nuclear Astrophysics and Radioactive Ion Beams: A Marriage Made in Heaven"
J. A. Winger
17. Mississippi Academy of Sciences Annual Meeting, Biloxi, MS, February 1995
"Prospects for Nuclear Structure Studies at the HRIBF"
J. A. Winger

JEFF ALLEN WINGER

18. Holifield Radioactive Ion Beam Facility Users Workshop, Oak Ridge National Lab, Oak Ridge, TN, June 1995
“ β -endpoint and Half-life Measurements near $N=Z$ ”
J. A. Winger
19. National Superconducting Cyclotron Laboratory Users Workshop, August 8-9, 1997, Michigan State University, East Lansing, Michigan Invited Talk
“Prospects for High-Resolution γ -Ray Spectroscopy at the NSCL”
J. A. Winger
20. International Conference on Fission and Properties of Neutron-Rich Nuclei, November 10-14, 1997, Sanibel Island, Florida Invited Talk
“Low-Energy Structure in the ^{44}S Region through β decay”
J. A. Winger, P. F. Mantica, and R. M. Ronningen
21. American Physical Society Meeting, Columbus, OH, April 1998
“Low-Energy Nuclear Structure in the ^{44}S Region”
J. A. Winger, P. F. Mantica, and R. M. Ronningen
22. Second International Conference on Exotic Nuclei and Atomic Masses, June 22-26, 1998, Bellaire, MI, Poster
“Low-Energy Structure of Neutron-Rich S, Cl, and Ar Nuclides Through β Decay”
J. A. Winger, H. H. Yousif, W. C. Ma, V. Ravikumar, W. Lui, S. K. Phillips, R. B. Piercey, P. F. Mantica, B. Pritychenko, R. M. Ronningen, M. Steiner
23. American Chemical Society Meeting, Symposium in Honor of Bill Walters 60th Birthday, Boston, MA, August 23-27, 1998
J. A. Winger, H. H. Yousif, W. C. Ma, V. Ravikumar, W. Lui, S. K. Phillips, R. B. Piercey, P. F. Mantica, B. Pritychenko, R. M. Ronningen, M. Steiner
24. Southeastern Section of the American Physical Society Annual Meeting, Miami, FL, November 13-15, 1998
“Low-energy Nuclear Structure of $^{39,40,41}\text{S}$ ”
J. A. Winger, H. H. Yousif, W. C. Ma, V. Ravikumar, W. Lui, S. K. Phillips, R. B. Piercey, P. F. Mantica, B. Pritychenko, R. M. Ronningen, M. Steiner
25. University of Memphis, Department of Physics Colloquium, April 14, 1999
“The Use of Radioactive Ion Beams in Nuclear Astrophysics”
J. A. Winger
26. RIA 2000 workshop, Durham, North Carolina, July 24-26, 2000
“Prospects for β decay measurements using RIA”
J. A. Winger

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27. Southeastern Section of the American Physical Society (SESAPS) Annual Meeting, Mississippi State University, Mississippi State, November 4-6, 2000
“Structure of ^{44}Ar through ^{44}Cl β decay”
J. A. Winger, W. C. Ma, R. B. Piercey, H. H. Yousif, W. Lui, P. F. Mantica, B. Pritychenko, R. M. Ronningen, M Steiner
28. American Physical Society Meeting, East Lansing, MI, October 9-13, 2002
“Exotic beam rate and purity for β -decay studies”
J. A. Winger, N. M. King, and Y. Zhang
29. HRIBF Decay Spectroscopy Workshop, Oak Ridge National Laboratory, TN, August 18-19, 2003
“Absolute branching ratios and delayed-neutron probabilities using pure RIBs”
J. A. Winger
30. UNIRIB Workshop, Oak Ridge National Laboratory, TN, March 24, 2004, Presented in Absentia
“Decay Studies Above ^{78}Ni : ^{83}Ga decay”
J. A. Winger
31. Southeastern Section of the American Physical Society (SESAPS) Annual Meeting, Oak Ridge, TN, November 11–12, 2004
UNIRIB Proposal Workshop, Oak Ridge National Laboratory, TN, November 13, 2004
“Decay Spectroscopy by Ranging Out Contaminant Beams”
J. A. Winger
32. UNIRIB Workshop, Oak Ridge National Laboratory, TN, January 13, 2006
“Decay Studies of $^{76,77}\text{Cu}$ and ^{83}Ga ”
J. A. Winger
33. 19th International Conference on the Application of Accelerators in Research and Industry (CAARI2006), Fort Worth, TX, August 20–25, 2006
“Decay Studies of neutron-Rich Nuclei at the HRIBF”
J. A. Winger, J. C. Batchelder, M. Danchev, C. Goodin, C. J. Gross, R. Grzywacz, S. V. Ilyushkin, A. Korgul, W. Królas, S. N. Liddick, C. Mazzocchi, C. S. Nelson, K. P. Rykaczewski, D. Shapira, D. W. Stracener, E. F. Zganjar
34. Holifield Radioactive Ion Beam Facility (HRIBF) PAC Meeting, Oak Ridge National Laboratory, TN, December 11, 2006
“Recent results from β -decay studies at the HRIBF”
J. A. Winger
35. American Physical Society Meeting, Jacksonville, FL, April 15, 2007
“The β -decay properties of $^{83,84}\text{Ga}$ ”
J. A. Winger, S. V. Ilyushkin, K. P. Rykaczewski, C. J. Gross, D. Shapira, R. Grzywacz, S. N. Liddick, C. Mazzocchi, S. Padgett, M. M. Rajabali, J. C. Batchelder, A. Korgul, W. Królas, E. F. Zganjar, A. Piechaczek, C. Goodin, J. H. Hamilton

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36. Department of Energy Review of Low-Energy Nuclear Physics Facilities Programs, Gaithersburg, MD, May 17, 2007.
“UNIRIB: University Radioactive Ion Beam Consortium”
H. K. Carter and J. A. Winger

37. The International Nuclear Physics Conference (INPC2007), Tokyo, Japan, June 3-8, 2007
“ β -decay studies of neutron-rich Cu and Ga isotopes at the HRIBF”
J. A. Winger, S. V. Ilyushkin, C. J. Gross, K. P. Rykaczewski, J. C. Batchelder, C. Goodin, R. Grzywacz, J. H. Hamilton, A. Korgul, W. Królas, S. N. Liddick, C. Mazzocchi, S. Padgett, A. Piechaczek, M. M. Rajabali, D. Shapira, E. F. Zganjar

38. Fourth International Conference on Fission and Properties of Neutron-Rich Nuclei, Sanibel Island, FL, November 11–17, 2007 (Invited)
“Failure of the ^{78}Ni core for $Z>28$, $N>50$ ”
J. A. Winger, C. J. Gross, K. P. Rykaczewski, J. C. Batchelder, C. Goodin, R. Grzywacz, J. H. Hamilton, S. V. Ilyushkin, A. Korgul, W. Królas, S. N. Liddick, C. Mazzocchi, S. Padgett, A. Piechaczek, M. M. Rajabali, D. Shapira, E. F. Zganjar

39. Nuclear Structure 2008 (NS2008), East Lansing, MI, USA, June 3–6, 2008 (Poster)
“Nuclear Structure Studies Near ^{78}Ni at the HRIBF”
J. A. Winger, C. J. Gross, K. P. Rykaczewski, J. C. Batchelder, C. Goodin, R. Grzywacz, J. H. Hamilton, S. V. Ilyushkin, A. Korgul, W. Królas, S. N. Liddick, C. Mazzocchi, S. Padgett, A. Piechaczek, M. M. Rajabali, D. Shapira, E. F. Zganjar

40. The Fifth International Conference on Exotic Nuclei and Atomic Masses (ENAM08), Ryn, Poland, September 7–13, 2008 (Invited)
“Structure and Properties Beyond ^{78}Ni ”
J. A. Winger

41. 75th Annual Meeting of the Southeastern Section of the American Physical Society (SESAPS), Raleigh, NC, USA, October 29–November 1, 2008 (Invited)
“ ^{78}Ni , Nuclear Structure, and LeRIBSS: New Results from the HRIBF”
J. A. Winger

42. Eight International Conference on Radioactive Nuclear Beams (RNB8), Grand Rapids, Michigan, USA, May 26–30, 2009 (Poster)
“ β -decay properties near ^{78}Ni using post-accelerated ISOL beams”
J. A. Winger, S. V. Ilyushkin, K. P. Rykaczewski, C. J. Gross, J. C. Batchelder, C. Goodin, R. Grzywacz, J. H. Hamilton, A. Korgul, W. Królas, S. N. Liddick, C. Mazzocchi, S. Padgett, A. Piechaczek, M. M. Rajabali, D. Shapira, and E. F. Zganjar

43. Eight International Conference on Radioactive Nuclear Beams (RNB8), Grand Rapids, Michigan, USA, May 26–30, 2009 (Poster)
“ β -decay properties near ^{78}Ni using post-accelerated ISOL beams”
J. A. Winger, S. V. Ilyushkin, K. P. Rykaczewski, C. J. Gross, J. C. Batchelder, C. Goodin, R. Grzywacz, J. H. Hamilton, A. Korgul, W. Królas, S. N. Liddick, C. Mazzocchi, S. Padgett, A. Piechaczek, M. M. Rajabali, D. Shapira, E. F. Zganjar

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44. Glenn T. Seaborg Award for Nuclear Chemistry: Symposium in Honor of David J. Morrissey, 241st American Chemical Society National Meeting, Anaheim, California, March 27–31, 2011
“Evolution of nuclear single particle states near ^{78}Ni ”
J. A. Winger, S. V. Ilyushkin, K. P. Rykaczewski, C. J. Gross, J. C. Batchelder, R. Grzywacz, J. H. Hamilton, A. Korgul, W. Królas, S. N. Liddick, C. Mazzocchi, S. Padgett, A. Piechaczek, M. M. Rajabali, D. Shapira, E. F. Zganjar
45. Nuclear Chemistry Gordon Research Conference, Colby-Sawyer College, New London, New Hampshire, June 12–17, 2011 (Invited)
“Recent Measurements of β -delayed Neutron Emission”
J. A. Winger
45. NSCL Seminar, National Superconducting Cyclotron Laboratory, Michigan State University, East Lansing, MI, November 2, 2011 (Invited)
“The evolution of nuclear structure near ^{78}Ni ”
J. A. Winger
45. North American Workshop on Beta-Delayed Neutron Emission, Joint Institute for Heavy Ion Research, Oak Ridge National Laboratory, Oak Ridge, TN, May 2–3, 2013 (Contributed)
“Large β -delayed neutron emission probabilities in the ^{78}Ni region”
46. 2nd Workshop on the Physics at the ALTO Facility, Institut de Physique Nucléaire d’Orsay, Orsay, France, May 14–15, 2013 (Invited)
“The Evolution of Nuclear Structure Near ^{78}Ni ”
J. A. Winger
46. 50 Years of Beam Seminar Series, Cyclotron Institute, Texas A&M University, College Station, TX, June 27, 2017 (Invited)
“35 Years of β -Decay Spectroscopy”
J. A. Winger