

Paul A. DeYoung

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Hope College
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Education and Employment

Associate Science Degree, Muskegon Community College	1975
B.A., Hope College Graduated Summa Cum Laude Elected to Phi Beta Kappa	1977
Ph.D., University of Notre Dame Schmidt Fellow for 1977-78 academic year	1982
Post-doctoral Research, Nuclear Structure Laboratory, SUNY	1982 – 1985
Assistant Professor, Hope College	1985 – 1991
Associate Professor, Hope College	1991 – 1997
Professor, Hope College	1997 – 2005
Chairman of the Department of Physics, Hope College	1995 – 2004
Kenneth G. Herrick Professor of Physics, Hope College	2005 – present

Honors and Organization Memberships

- Received the 2001 Prize to a Faculty Member for Research in an Undergraduate Institution from the American Physical Society. Served as research mentor to 50 undergraduate students including several from institutions other than Hope College.
- National Superconducting Cyclotron User Executive Committee (2004-2007).
- Executive Director of the MoNA collaboration (2004-2005).
- American Physical Society.
- Sigma Xi (Secretary/Treasurer of the Hope College Chapter 1987-1990, President during 1994-1995, Served as Associate Director for the Baccalaureate Colleges Constituency Group for two years).

- Council for Undergraduate Research (physics councilor 1991-2000).

Recent Grant Support

- RUI: Fundamental and Applied Nuclear Physics with Undergraduates, 2007 NSF (\$311,079)
- RUI: Multifaceted Opportunities in Nuclear Physics for Undergraduates at Hope College, 2004 NSF (\$213,252)
- RUI: Radioactive Nuclear Beam Physics with Undergraduates at Hope College, 2001 NSF (\$166,879)

College and Community service

- Two terms on the Academic Affairs Board, Several terms on the Computer Services Committee, Distinguished Alumni Selection Committee, Academic Computer Advisory Team, and served on the Status Committee (current committee assignment).
- External department reviewer for Murray State University, Hollins University, St. Johns University, Fairfield University, Moravian College, and Ouchita Baptist University.
- Reviewer for American Journal of Physics, Physical Review C, and the National Science Foundation.
- Served on the APKER Prize selection committee for the American Physical Society.

References

- Dr. Graham Peaslee, Department of Chemistry, Hope College, Holland, MI 49422-9000. peaslee@hope.edu
- Dr. Micheal Thoennessen, National Superconducting Cyclotron Laboratory, Michigan State University, 1 Cyclotron, East Lansing, Michigan 48824-1321. thoennessen@nscl.msu.edu
- Dr. Moses Lee, Dean, Division of Natural and Applied Sciences, Hope College, Holland, MI 49422-9000. lee@hope.edu

Publications

(Student authors are indicated by an *.)

1. Inclusive α -particle Production in the $^{12}\text{C}+^{12}\text{C}$ Reaction. J.J. Kolata, R.E. Malmin, P.A. DeYoung, S.D. Davis, and R.C. Luhn. *Phys. Rev. C* **21**, 776 (1980).
2. Reaction-product Velocity Measurement for the $^{16}\text{O}+^{16}\text{O}$ and $^{12}\text{C}+^{20}\text{Ne}$ System. P.A. DeYoung, J.J. Kolata, R.C. Luhn, R.E. Malmin, and S.N. Tripathi. *Phys. Rev. C* **24**, 166 (1981).
3. Gamma-Ray Studies of $^{12}\text{C}+^{20}\text{Ne}$ Reactions. P.A. DeYoung, J.J. Kolata, R.C. Luhn, R.E. Malmin, S.N. Tripathi. *Phys. Rev. C* **25**, 1420 (1982).
4. Reaction Cross Sections for $^{14}\text{N}+^{14}\text{N}$. P.A. DeYoung, J.J. Kolata, L.J. Satkowiak, and M.A. Xapsos. *Phys. Rev. C* **26**, 1482 (1982).
5. Gamma-ray Studies of the $^{16}\text{O}+^{20}\text{Ne}$ System. M.A. Xapsos, P.A. DeYoung, L.J. Satkowiak, and J.J. Kolata. *Phys. Rev. C* **25**, 2457 (1982).
6. Gamma-ray Studies of the $^{12}\text{C}+^{12}\text{C}$ System. L.J. Satkowiak, P.A. DeYoung, J.J. Kolata, and M.A. Xapsos. *Phys. Rev. C* **26**, 2027 (1982).
7. A New Level of ^{18}F . R.M. Freeman, P.A. DeYoung, L.S. Satkowiak, M.A. Xapsos, and J.J. Kolata. *Nucl. Phys.* **A385**, 516 (1982).
8. Reaction Cross Sections for $^{14}\text{N}+^{10}\text{B}$. P.A. DeYoung, J.J. Kolata, L.J. Satkowiak, and M.A. Xapsos. *Phys. Rev. C* **28**, 692 (1983).
9. Low-Energy Fusion of $^{28}\text{Si}+^{12}\text{C}$. R.A. Racca, P.A. DeYoung, J.J. Kolata, and R.J. Thornburg. *Phys. Lett.* **129B**, 294 (1983).
10. A Single Element NaI(Tl) Light Particle Detector. P.A. DeYoung, R.L. McGrath, W.F. Piel, Jr. *Nucl. Inst. and Meth.* **226**, 555 (1984).
11. Neutron Spectra and Level Density Parameters from the $^{16}\text{O}+^{12}\text{C}$ Fusion Reaction. J. Kasagi, B. Remington, A. Galonsky, F. Haas, J.J. Kolata, L. Satkowiak, P. DeYoung, M. Xapsos, R. Racca and F.W. Prosser. *Phys. Rev. C* **31** 858 (1985). (Name was inadvertently omitted. See Errata, *Phys. Rev. C* **32**, 1107 (1985)).
12. Structure in the Fusion Yield for $^{32}\text{S}+^{12}\text{C}$. J.J. Kolata, R.A. Racca, P.A. DeYoung, E. Aguilera-Reyes, and M.A. Xapsos. *Phys. Rev. C* **32**, 1080 (1985).
13. Subbarrier fusion measurements for the system $^{32}\text{S} + ^{238}\text{U}$. R. H. Freifelder, P. Braun-Munzinger, P. DeYoung, L. Ricken, R. Schicker, S. Sen, J. Stachel and P. H. Zhang. *Lecture Notes in Physics, Springer Berlin/Heidelberg, Fusion Reactions Below the Coulomb Barrier*, **219**, 340 (1985).

14. Pion production: A probe for coherence in medium-energy heavy-ion collisions. J. Stachel, P. Braun-Munzinger, R.H. Freifelder, P. Paul. S. Sen, P. DeYoung, P.H. Zhang, T.C. Awes, F.E. Obenshain, F. Plasil, G.R. Young, R. Fox, and R. Ronningen. *Phys. Rev. C* **33**, 1420 (1986).
15. Search for the Structure in the Fusion of $^{28}\text{Si}+(^{28}\text{Si}, ^{30}\text{Si})$ and $^{30}\text{Si}+^{30}\text{Si}$. E.F. Aguilera, J.J. Kolata, P.A. DeYoung, and J.J. Vega, *Phys. Rev. C* **33**, 1961 (1986).
16. Large Angle Correlations in Evaporative Particle Emission: Shape Distortion? Surface Expansion?. R. Lacey, N.N. Ajitanand, J.M. Alexander, D.M. De Castro Rizzo, G.F. Peaslee, L.C. Vaz, G. La Rana, M. Kaplan, D.J. Moses, W. Parker, D. Logan, and P. DeYoung. *Journal de Physique C4*, 47 (1986).
17. Surprising Properties of the Nuclear Stratosphere Indicated by Energy Spectra and Large-Angle Correlations Between ^4He and $^{1,2,3}\text{H}$ or ^4He . R. Lacey, N.N. Ajitanand, J.M. Alexander, D.M. de Castro Rizzo, P. DeYoung, M. Kaplan, L. Kowalski, G. La Rana, D. Logan, D.J. Moses, W.E. Parker, G.F. Peaslee, and L.C. Vaz. *Phys. Lett.* **191B**, 253 (1987).
18. Study of symmetric splitting for the system $^{32}\text{S}+^{238}\text{U}$ at energies near and below the barrier. R. Freifelder, P. Braun-Munzinger, P. DeYoung, R. Schicker, S. Sen, and J. Stachel, *Phys. Rev. C* **35**, 2097 (1987).
19. Mechanisms for light charged particle emission in the reactions 247 and 337 MeV $^{40}\text{Ar}+^{nat}\text{Ag}$. R. Lacey, N.N. Ajitanand, J.M. Alexander, D.M. de Castro Rizzo, G.F. Peaslee, L.C. Vaz, M. Kaplan, M. Kilder, G. LaRana, D.J. Moses, W.E. Parker, D. Logan, M.S. Zisman, P. DeYoung, and L. Kowalski. *Phys. Rev. C* **37**, 2540 (1988).
20. Large-angle correlations between ^4He and $^{1,2,3}\text{H}$ or ^4He in the reactions 247 and 337 MeV $^{40}\text{Ar}+^{nat}\text{Ag}$: Unexpected properties of the nuclear stratosphere. R. Lacey, N.N. Ajitanand, J.M. Alexander, D.M. de Castro Rizzo, G.F. Peaslee, L.C. Vaz, M. Kaplan, M. Kilder, G. LaRana, D.J. Moses, W.E. Parker, D. Logan, M.S. Zisman, P. DeYoung, and L. Kowalski. *Phys. Rev. C* **37**, 2561 (1988).
21. Neutron-emission Spectra and Superdeformation in Light Nuclei. J.J. Kolata, R.A. Kryger, P.A. DeYoung, and F.W. Prosser. *Phys. Rev. Lett* **61**, 1178 (1988).
22. Emission Times in Low Energy Heavy Ion Reactions by Particle-Particle Correlations. P. DeYoung, M.S. Gordon, Xiu Qin Lu, R.L. McGrath, J.M. Alexander, D.M. de Castro Rizzo, and L.C. Vaz. *Phys. Rev. C* **39**, 128 (1989).
23. Particle-Particle Correlations and Lifetimes of Composite Nuclei: New tests for the Evaporation Model and for Statistical Equilibrium. P.A. DeYoung, C.J. Gelderloos*, D. Kortering*, J. Sarafa*, K. Zienert*, M.S. Gordon, G.P. Gilfoyle, X. Lu, R.L. McGrath, D.M. de Castro Rizzo, J.M. Alexander, G. Auger, S. Kox, L.C. Vaz, C. Beck, D.J. Henderson, D.G. Kovar, and M. Vineyard. *Phys. Rev. C* **41**, R1885 (1990).

24. A Monte Carlo Reaction Simulation for Small-Angle Correlation Between Light Charged Particles. R.L. McGrath, A. Elmaani, J.M. Alexander, P.A. DeYoung, T. Ethvignot, M.S. Gordon, and E. Renshaw. *Computer Physics Communications* **59**, 507 (1990).
25. A Continuous Automatic Correction Algorithm for Instrumental Drifts. Paul A. DeYoung and James D. van Putten. *Nucl. Instr. and Meth.* **A292**, 681 (1990).
26. Probing the Lifetime of Excited Composite Nuclei with Particle-Particle Correlations. P.A. DeYoung, J.M. Alexander, J.J. Kolata, D. Kortering*, R.A. Kryger, C.J. Gelderloos*, M.S. Gordon, R.L. McGrath, J. Sarafa*, and R. Sedlar*. *Proceedings of the Corinne 90 conference (Nantes, France), International Workshop on Particle Correlations and Interferometry in Nuclear Collisions*, edited by D. Ardouin, World Scientific (1990).
27. Two Particle Correlations from Neutron-Light Charged Particle Coincidences. R.A. Kryger, J.J. Kolata, W. Chung, R.J. Tighe, J.J. Vega, P.A. DeYoung, C. Copi*, J. Sarafa*, D.G. Kovar, G.P. Gilfoyle, and S.K. Sigworth. *Phys. Rev. Lett* **65**, 2118 (1990).
28. Charge Particle Evaporation from Hot Composite Nuclei: Evidence Over a Broad Z Range for Distortions from Cold Nuclear Profiles. W.E. Parker, M. Kaplan, D.J. Moses, G. La Rana, D. Logan, R. Lacey, J.M. Alexander, D.M. de Castro Rizzo, P. DeYoung, R.J. Welberry, J.T. Boger. *Phys. Rev. C* **44**, 774 (1991).
29. Heavy Residue Production in 215 MeV $^{16}\text{O}+^{27}\text{Al}$ Reactions. G.P. Gilfoyle, M.S. Gordon, R.L. McGrath, G. Auger, J.M. Alexander, D.G. Kovar, M.F. Vineyard, C. Beck, D.J. Henderson, P.A. DeYoung and D. Kortering*. *Phys. Rev. C* **46**, 265 (1992).
30. Particle-Particle Correlations: Independent Particle Emission versus Sequential Decay of Heavy Fragments. M.S. Gordon, R.L. McGrath, J.M. Alexander, P.A. DeYoung, Xiu qin Lu, D.M. de Castro Rizzo, and G.P. Gilfoyle. *Phys. Rev. C* **46**, R1 (1992).
31. Neutron-Charged Particle Correlation in the 3.8 MeV per Nucleon $^{16}\text{O}+^{12}\text{C}$ and 13.4 MeV per Nucleon $^{16}\text{O}+^{27}\text{Al}$ Reactions. R.A. Kryger, J.J. Kolata, W. Chung, S. Dixit, R.J. Tighe, J.J. Vega, P.A. DeYoung, C. Copi*, J. Sarafa*, D.G. Kovar, G.P. Gilfoyle, and S.K. Sigworth. *Phys. Rev. C* **46**, 1887 (1992).
32. Experimental Verification of the Heisenberg Uncertainty Principle - An Advanced Undergraduate Laboratory. P.A. DeYoung, P.L. Jolivette, and N. Rouze. *Am. J. Phys.* **61**, 560 (1993).
33. Light Charged Particle and Intermediate Fragment Emission in the Reaction 640 MeV $^{86}\text{Kr}+^{63}\text{Cu}$. J. Boger, J.M. Alexander, G. Auger, A. Elmaani, S. Kox, R. Lacey, A. Narayanan, M. Kaplan, D.J. Moses, M.A. McMahan, P.A. DeYoung, C.J. Gelderloos*, and G. Gilfoyle. *Phys. Rev. C* **49**, 1576 (1994).
34. Intermediate Mass Fragments from Reactions 486, 550, 640, and 730 MeV $^{86}\text{Kr}+^{63}\text{Cu}$. J. Boger, J.M. Alexander, A. Elmaani, S. Kox, R. Lacey, A. Narayanan, M. Kaplan,

- D.J. Moses, M.A. McMahan, P.A. DeYoung, and C.J. Gelderloos*. *Rev. C* **49**, 1597 (1994).
35. The STAR Experiment at the Relativistic Heavy Ion Collider, J.W. Harris and the STAR Collaboration, *Nucl. Phys.* **A566**, 277c (1994).
 36. Neural Net Triggers for STAR, P.A. DeYoung and S. Slezak*, a working report for the STAR collaboration at RHIC. Posted on the world wide web at
http://rsgi01.rhic.bnl.gov/star/starlib/doc/www/trg/soft_1/level_1/neural_net/neural_net.html
 37. Correlation Measurements of Light Charged Particles Emitted from $^{32}\text{S}+^{27}\text{Al}$ Reaction at Energies of 105 MeV and 215 MeV. P.A. DeYoung, N.N. Ajitanand, J.M. Alexander, V. Datar, C.J. Gelderloos, G. Gilfoyle, M.S. Gordon, R.L. McGrath, G.F. Peaslee, and J. Sarafa*, *Phys. Rev. C* **52**, 3488 (1995).
 38. Small Angle Neutron-Neutron Correlation Functions for the $^{16}\text{O}+^{27}\text{Al}$ Reaction at 220 MeV. P.A. DeYoung, T. Butler*, C. Dykstra*, G. Gilfoyle, M. Nimchek, A. Snyder, J. Hinnefeld, M. Kaplan, J.J. Kolata, J. Kugi, P. Santi, W. Chung, and R. Kryger, *Nucl. Phys.* **A597**, 127 (1996).
 39. Non-linear Coupled Oscillators and Fourier Transforms - An Advanced Undergraduate Laboratory. P.A. DeYoung, D. LaPointe*, J. Levy*, and W. Lorenz*, *Am. J. Phys.* **64**, 898 (1996).
 40. Probing the Degrees of Freedom in Hot Composite Nuclei via Charged Particle Emission Studies. M. Kaplan, C. Brown, J. Downer, Z. Milosevich, E. Vardaci, J. Whitfield, C. Copi*, and P. DeYoung, *Advances in Nuclear Dynamics*, Edited by W. Bauer and A. Mignerey, Plenum Press New York, 113 (1996).
 41. Classical tests for statistical evaporation at 680 MeV Ar+Ag, C.J. Gelderloos, J.M. Alexander, J. Boger, M.T. Magda, A. Narayanan, P. DeYoung, A. Elmaani, M.A. McMahan, *Phys. Rev. C* **54**, 3056 (1996).
 42. Sensitivity of Small-Angle Correlations of Light Charged Particles to Reaction Mechanisms in the $^{16}\text{O}+^{27}\text{Al}$ Reaction at 40 MeV/nucleon. P.A. DeYoung, C. Dykstra*, P. Gonthier, C. Mader, G.F. Peaslee, D. Peterson*, R. Sedlar*, S. Sundbeck*, N. Shaw*, G. Westfall, D. Craig, R. Lacey, T. Li, T. Reposeur, A. VanderMolen, J.S. Winfield, S. Yennello, and A. Nadasen. *Phys. Rev. C* **56**, 244 (1997).
 43. Splintering Central Collisions: Systematics of Momentum and Energy Deposition for (17-115)A MeV ^{40}Ar . E. Colin, Rulin Sun, N.N. Ajitanand, John M. Alexander, M.A. Barton*, P.A. DeYoung, A. Elmaani, C.J. Gelderloos, E.E. Gualtieri, D. Guinet, S. Hannuschke, J. A. Jaasma*, L. Kowalski, Roy A. Lacey, J. Lauret, E. Norbeck, R. Pak, G.F. Peaslee, M. Stern, N.T.B. Stone, S.D. Sundbeck*, A.M. Vander Molen, G.D. Westfall, and J. Yee. *Phys. Rev. C* **57**, R1032 (1998).

44. Fusion of a Neutron Skin Nucleus: The $^{209}\text{Bi}(^6\text{He},4n)$ Reaction. P.A. DeYoung, B. Hughey*, P.L. Jolivet, G.F. Peaslee, J.J. Kolata, V. Guimaraes, D. Peterson, P. Santi, H.C. Griffin, J.A. Zimmerman, J.D. Hinnefeld, *Phys. Rev. C* **58**, 3442 (1998).
45. Sub-Barrier Fusion of ^6He with ^{209}Bi . J.J. Kolata, V. Guimaraes, D. Peterson, P. Santi, R. White-Stevens, P.A. DeYoung, G.F. Peaslee, B. Hughey*, B. Atallah*, M. Kern*, P.L. Jolivet, J.A. Zimmerman, M.Y. Lee, F.D. Bechetti, E.F. Aquilera, E. Martinez-Quiroz, J.D. Hinnefeld, *Phys. Rev. Lett.* **81**, 4580 (1998).
46. Study of Nuclear Reactions with Intense, High-Purity, Low Energy Radioactive Ion Beams Using a Versatile Multi-configuration Dual Superconducting-Solenoid System, M.Y. Lee, F.D. Bechetti, T.W. O'Donnell, D.A. Roberts, J.A. Zimmerman, J.J. Kolata, V. Guimaraes, D. Peterson, P. Santi, P.A. DeYoung, G.F. Peaslee, J.D. Hinnefeld. *Nucl. Inst. and Methods*, **A422**, 536 (1999).
47. Light Charged Particle Emission in the Matched Reactions 280 MeV $^{40}\text{Ar}+^{27}\text{Al}$ and 670 MeV $^{55}\text{Mn}+^{12}\text{C}$: Inclusive Studies. C.M. Brown, Z. Milosevich, M. Kaplan, E. Vardaci, P. DeYoung, J.P. Whitfield, D. Peterson*, C. Dykstra*, P. Karol, and M.A. McMahan. *Phys. Rev. C* **60**, 064612 (1999).
48. Distributing the research model: Working with Faculty on Sabbatical. James Gentile and Paul A. DeYoung. *CUR Quarterly* **20**, 25 (1999).
49. Evidence for Non-Equilibrium Proton Emission in a Low-Energy Heavy-Ion Reaction. P.A. DeYoung M.J. Goupell*, B.V. Atallah*, J.A. Haglund*, P.L. Jolivet, M.K. MacDermaid*, G.F. Peaslee, J.J. Kolata, E.D. Berners, D. Peterson, J. von Schwarzenberg, and J.D. Hinnefeld. *Phys. Rev. C* **61**, 024603 (2000).
50. Balance of Mass, Momentum, and Energy in Splintering Central Collisions for ^{40}Ar up to 115 MeV/Nucleon. Rulin Sun, E. Colin, N.N. Ajitanand, John M. Alexander, M.A. Barton, P.A. DeYoung, K.L. Drake, A. Elmaani, C.J. Gelderloos, E.E. Gualtieri, D. Guinet, S. Hannuschke, J. A. Jaasma*, L. Kowalski, Roy A. Lacey, J. Lauret, E. Norbeck, R. Pak, G.F. Peaslee, M. Stern, N.T.B. Stone, S.D. Sundbeck*, A.M. Vander Molen, G.D. Westfall, L.B. Yang, and J. Yee. *Phys. Rev. Lett.* **84**, 43 (2000).
51. Light Charged Particle Emission in the Matched Reactions 280 MeV $^{40}\text{Ar}+^{27}\text{Al}$ and 670 MeV $^{55}\text{Mn}+^{12}\text{C}$: Coincidence Results. C.M. Brown, Z. Milosevich, M. Kaplan, E. Vardaci, P. DeYoung, J.P. Whitfield, D. Peterson, C. Dykstra*, P. Karol, and M.A. McMahan. *Phys. Rev. C* **61**, 054611 (2000).
52. Transfer/Breakup Modes in the $^6\text{He}+^{209}\text{Bi}$ Reaction Near and Below the Coulomb Barrier. E.F. Aquilera, J.J. Kolata, F.M. Nunes, F.D. Bechetti, P.A. DeYoung, M. Goupell*, V. Guimaraes, B. Hughey*, M.Y. Lee, D. Lizcano, E. Martinez-Quiroz, A. Nowlin*, T.O. O'Donnell, G.F. Peaslee, D. Peterson, P. Santi, R. White-Stevens. *Phys. Rev. Lett.* **84**, 5058 (2000).
53. Isotropic Emission Components in Splintering Central Collisions: 17-115 AMeV $^{40}\text{Ar}+\text{Cu}$, Ag, Au. Rulin Sun, E. Colin, N.N. Ajitanand, John M. Alexander, M.A. Barton*, P.A.

- DeYoung, K.L. Drake*, A. Elmaani, C.J. Gelderloos, E.E. Gualtieri, D. Guinet, S. Hannuschke, J. A. Jaasma*, L. Kowalski, Roy A. Lacey, J. Lauret, E. Norbeck, R. Pak, G.F. Peaslee, M. Stern, N.T.B. Stone, S.D. Sundbeck*, A.M. Vander Molen, G.D. Westfall, L.B. Yang, and J. Yee. *Phys. Rev. C* **61**, 061601(R) (2000).
54. Nuclear Disassembly in Violent Central Collisions at Intermediate Energies: 65-115 AMeV $^{40}\text{Ar}+\text{Cu}$, Ag, Au. E. Colin, Rulin Sun, N.N. Ajitanand, John M. Alexander, M.A. Barton*, P.A. DeYoung, K.L. Drake*, A. Elmaani, C.J. Gelderloos, E.E. Gualtieri, D. Guinet, S. Hannuschke, J. A. Jaasma, L. Kowalski, Roy A. Lacey, J. Lauret, E. Norbeck, R. Pak, G.F. Peaslee, M. Stern, N.T.B. Stone, S.D. Sundbeck*, A.M. Vander Molen, G.D. Westfall, and J. Yee. *Phys. Rev. C* **61**, 067602 (2000).
55. Angular Momentum in the $^6\text{He}+^{209}\text{Bi}$ Reaction Deduced from Isomer Ratio Measurements. P.A. DeYoung, B. Atallah, B. Hughey, P.L. Jolivette, M. Kern, G.F. Peaslee, V. Guimaraes, J.J. Kolata, D. Peterson, P. Santi, R. White-Stevens, E.F. Aquilera, E. Martinez-Quiroz, F.D. Bechetti, M.Y. Lee, J.A. Zimmerman, J.D. Hinnefeld, and O.A. Capurro. *Phys. Rev. C* **62**, 047601 (2000).
56. Alpha particle emission from $^6\text{He}+^{209}\text{Bi}$. D. Lizcano, E. F. Aquilera, E. Martinez Quiroz, J. J. Kolata, V. Guimaraes, D. Peterson, P. Santi, R. White Stevens, P. A. DeYoung, G. F. Peaslee, M. Goupel*, B. Hughey*, A. Nowlin*, F. D. Bechetti, T. O'Donnell, M. Y. Lee, and F. M. Nunez, *Rev. Mex. Fis.* **46**, Supl. 1, 116-120 (2000).
57. Small Angle Particle-Particle Correlation Measurements in the Reactions 280 MeV $^{40}\text{Ar}+^{27}\text{Al}$ and 670 MeV $^{55}\text{Mn}+^{12}\text{C}$. Z. Milosevich, E. Vardaci, P.A. DeYoung, C.M. Brown, M. Kaplan, J.P. Whitfield, D. Peterson, C. Dykstra, M. Barton*, P.J. Karol, and M.A. McMahan. *Nucl. Phys.* **A686**, 460 (2001).
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59. Excitation of the Isovector Giant Quadrupole Resonance in ^{208}Pb by Coulomb Inelastic Scattering. R.L. Varner, J.R. Beene, M. Chartier, J.F. Liang, D. Shapira, D. Bazin, B. Blank, B. Sherrill, M.R. Thoennessen, P.A. DeYoung, and G.F. Peaslee. *Nucl. Phys.* **A687**, 140c (2001).
60. Studies of Light Charged Particle Emission From Fission and ER Reactions in the System 344 MeV $^{28}\text{Si}+^{121}\text{Sb}\rightarrow^{149}\text{Tb}$ ($E=240$ MeV). M. Kaplan, C.J. Copi*, P.A. DeYoung, G.J. Gilfoyle, P.J. Karol, D.J. Moses, W.E. Parker, K.E. Rehm, J. Sarafa*, and E. Vardaci. *Nucl. Phys.* **A686**, 527 (2001).
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63. Rapid, Precise, Position Measurements in the General Physics Laboratory. P.A. DeYoung and B. Mulder. *Am. J. Phys.* **70**, 1226 (2002).
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