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EDUCATION	<p>Michigan State University, East Lansing, IL 2000–2006</p> <ul style="list-style-type: none"> • Ph.D. Physics, M.S. Physics (2001) • Thesis: Spectroscopy of Neutron Unbound States in Neutron Rich Oxygen Isotopes • Advisor: Prof. Michael Thoennessen. <p>Concordia College, Moorhead, MN 1996–2000</p> <ul style="list-style-type: none"> • B.A. cum laude • Majors: Physics, Mathematics, Minor: Computer Science. 	
APPOINTMENTS	<ul style="list-style-type: none"> • Professor Physics and Co-Chair, Augustana College 2023-Present • Associate Professor Physics and Chair (starting 2018), Augustana College 2015-22 • Assistant Professor Physics, Augustana College 2009-15 • Visiting Assistant Professor Physics, Illinois Wesleyan University, Bloomington, IL 2007-09 • Visiting Assistant Professor Physics, Concordia College, Moorhead, MN 2006-07 	
TECHNICAL SKILLS	<ul style="list-style-type: none"> • <i>Programming Languages</i>: C/C++, Fortran, Tcl/Tk, Python, LabViewTM, IgorPro. • <i>Technical Softwares</i>: ROOT, GEANT, Linux, DataStudio, Origin. • <i>Nuclear Physics</i>: detector development and design, nuclear electronics, radiation interactions, analysis and simulation of experiments on neutron-rich nuclides 	
PROFESSIONAL AFFILIATIONS	<ul style="list-style-type: none"> • American Physical Society (APS) 2001-Present • American Association of Physics Teachers (AAPT) 2006-Present • Sigma Xi Research Honor Society 2011-Present • Sigma Pi Sigma Honor Society 	
GRANTS AND AWARDS	<ul style="list-style-type: none"> • Collaborative Research: Equipment: MRI Consortium: Track 2 Development of a Next Generation Fast Neutron Detector NSF Grant 2320402 (\$397,005) 9/15/2023 - 8/31/2026 • Building Community and Leveraging Summer Research to Prepare Highly Effective Mathematics and Science Teachers for Diverse Urban Schools NSF Grant 2344677 submitted • Inspiring Programs in STEM Award from INSIGHT into Diversity Magazine 2022 • RUI: Supporting New Efforts in Studies of Neutron-Rich Nuclides NSF Grant 2011265 (\$175,698) 2020- • Multiple Field Experiences and Undergraduate Research to Prepare Highly Effective Mathematics and Science Teachers for Diverse Urban Schools NSF Grant 1949831 (\$1,134,515) 2020-25 • Quad Cities Engineering and Science Council (QCESC) Senior Scientist of the Year 2019 	

- MRI Consortium: Development of a Charged Particle Telescope by Undergraduate Research Students for Studies of Exotic Nuclei
NSF Grant 1827840 (\$83,087) 2018-20
- RUI: Collaboration to Enhance Participation of Minority and Undergraduate Students in Nuclear Science
NSF Grant 1713522 (\$61,000) 2017-21
- RUI: Undergraduate Research on Neutron-Rich Nuclei
NSF Grant 1404236 (\$124,000) 2014-18
- NSSC-MSI Research Grant Award: Department of Energy
National Nuclear Security Administration under Award Number DE-NA0000979 2013-15
- RUI: Establishing an Undergraduate Research Group in Nuclear Physics
NSF Grant 0969173 (\$121,000) 2010-14

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4. **Measurements of fast neutron scattering in plastic scintillator with energies from 20 to 200 MeV**, W. F. Rogers, A. N. Kuchera, J. Boone, N. Frank, M. Thoennessen, and A. Wantz, *Nucl. Instrum. and Meth. in Phys. Res. A* **943**, 162436 (2019).
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10. **Two-neutron sequential decay of ^{24}O** , M.D. Jones, N. Frank, T. Baumann, J. Brett, J. Bullaro, P.A. DeYoung, J.E. Finck, K. Hammerton, J. Hinnefeld, Z. Kohley, A.N. Kuchera, J. Pereira, A. Rabe*, W.F. Rogers, J.K. Smith, A. Spyrou, S.L. Stephenson, K. Stiefel, M. Tuttle-Timm*, R.G.T. Zegers, and M. Thoennessen, *Phys. Rev. C* **92**, 051306(R) (2015).
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34. **Neutron decay spectroscopy on neutron-rich oxygen isotopes**, N. Frank, T. Baumann, D. Bazin, B.A. Brown, J. Brown, P.A. DeYoung, J.E. Finck, A. Gade, J. Hinnefeld, R. Howes, J.-L. Lecouey, B. Luther, W.A. Peters, H. Scheit, A. Schiller, M. Thoennessen, and J. Tostevin, *Nucl. Phys. A* **813** (2008) 199.
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4. **Population of Neutron Unbound States via Two-Proton Knockout Reactions**, N. Frank, A. Schiller, T. Baumann, D. Bazin, A. Gade, J.-L. Lecouey, W.A. Peters, H. Scheit, and M. Thoennessen, *Proceedings of the 9th International Spring Seminar on Nuclear Physics, Changing Facets of Nuclear Structure*, edited by A. Covello, p.23, World Scientific (2008).
5. **Exploring Neutron-Rich Oxygen Isotopes with MoNA**, W.A. Peters, N. Frank, T. Baumann, D. Bazin, J. Brown, P.A. DeYoung, J.E. Finck, A. Gade, J. Hinnefeld, R. Howes, J.-L. Lecouey, B. Luther, H. Scheit, A. Schiller, and M. Thoennessen., *Proceedings International Conference on Proton Emitting Nuclei and Related Topics, PRO-CON07*, edited by L. Ferreira, *AIP Conference Proceedings* **961**, 143 (2007).
6. **Observation of the First Excited State in ^{23}O** , N. Frank, A. Schiller, T. Baumann, D. Bazin, J. Brown, P. A. DeYoung, J. E. Finck, A. Gade, J. Hinnefeld, R. Howes, J.-L. Lecouey, B. Luther, W. A. Peters, H. Scheit, and M. Thoennessen, *Proceedings 23rd Winter Workshop on Nuclear Dynamics*, edited by W. Bauer, R. Bellwied and J.W. Harris, p.187, EP Systema, Budapest, Hungary (2007).
7. **First Results from MoNA**, A. Schiller, T. Baumann, D. Bazin, B. A. Brown, D. Bazin, P. A. DeYoung, N. Frank, A. Gade, J. Hinnefeld, R. Howes, R. A. Kryger, J.-L. Lecouey, B. Luther, W. A. Peters, J. R. Terry, M. Thoennessen, and K. Yoneda, *Proceedings of the International Conference on Frontiers in Nuclear Structure, Astrophysics and Reactions (FINUSTAR)*, Kos, Greece, September 12-17, 2005; *AIP Conference Proceeding* **831**, 92-99 (2006).
8. **Can the Neutron Capture Cross Section be Measured with Coulomb Dissociation?**, A. Horvath, K. Ieki, A. Kiss, A. Galonsky, M. Thoennessen, T. Baumann, D. Bazin, C. Bordeanu, N. Carlin, M. Csanad, F. Deak, P. A. DeYoung, N. Frank, T. Fukuchi, Zs. Fülöp, A. Gade, D. R. Galaviy, C. Hoffman, R. Iysak, W. A. Peters, H. Schelin, A. Schiller, R. Sugo, Y. Seres, G. Veres, *Eur. Phys. J. A* **25**, 217-220 (2005).

9. **Discovery of ^{60}Ge and ^{64}Se ,** A. Stolz, T. Baumann, N. Frank, T. Ginter, G. W. Hitt, E. Kwan, M. Mocko, W. A. Peters, A. Schiller, C. Sumithrarachchi, M. Thoennessen, *Eur. Phys. J. A* **25**, 335 (2005).
10. **Single proton knock-out from ^{24}F ,** M. Thoennessen, B. A. Brown, T. Baumann, J. Enders, N. H. Frank, P. G. Hansen, P. Heckman, B. A. Luther, J. P. Seitz, A. Stolz, and E. Tryggestad, *Nucl. Phys. A* **746**, 536c-539c (2004).
11. **Half-life limit of ^{19}Mg ,** N. Frank, T. Baumann, D. Bazin, R. R. C. Clement, M. W. Cooper, P. Heckman, W. A. Peters, A. Stolz, M. Thoennessen, and M. S. Wallace, *Nucl. Phys. A* **746**, 551c-554c (2004).
12. **Investigation of neutron-rich oxygen and fluorine isotopes,** M. Thoennessen, T. Baumann, J. Enders, N. H. Frank, P. Heckman, J. P. Seitz, A. Stolz, and E. Tryggestad, *Nucl. Phys. A* **722**, 61c-66c (2003).

COLLOQUIA
AND
SEMINARS

1. **Resonance Phenomena at the Edges of Stability,** NSAC Long Range Plan Town Hall Meeting on Nuclear Structure, Reactions, and Astrophysics, Nuclear Experiment Working Group, Argonne National Laboratory, November 14-16, 2022.
2. **Neutron-Unbound States of Nuclides within the Island of Inversion,** Virtual Nuclear Seminar, Department of Physics, University of Massachusetts Lowell, Lowell, MA, November 3, 2022.
3. **Nuclear Physics Fun at the Edge,** Department of Physics, Marquette University, Milwaukee, WI, November 9, 2017.
4. **Studying Atomic Nuclei with Undergraduates,** Department of Physics, Hampton University, Hampton, VA, April 3, 2014.
5. **Undergraduate Research in Nuclear Physics,** Physics and Astronomy Department, Indiana University South Bend, South Bend, IN, March 8, 2012.
6. **Undergraduate Research in Neutron-rich Atomic Nuclei,** Sigma Xi Annual New Member Induction Banquet, Augustana College, Rock Island, IL, December 1, 2011.
7. **Studies of Neutron-rich Nuclei using the Modular Neutron Array,** Department of Physics, Elon University, Elon, NC, February 18, 2008.
8. **Nuclear Physics near the Dripline: Present and Future of MoNA,** Department of Physics, Central Michigan University, Mount Pleasant, MI, March 23, 2007.

CONTRIBUTED
TALKS

1. **A Studio Physics Classroom for Today's Students,** Nathan H. Frank, Fall 2023 Joint Meeting of the Chicago and Illinois Sections of the American Association of Physics Teachers, Joliet Central High School, Joliet, IL, October 21-22, 2023.
2. **Peer Mentoring Program for Physics and Engineering Students,** Nathan H. Frank, Spring Meeting of the Illinois State American Association of Physics Teachers, Knox College, Galesburg, IL, March 18, 2023.
3. **Population of $^{33}\text{Mg}^*$ Neutron-Unbound States from Reactions on ^{36}Si and ^{34}Al ,** Nathan H Frank, Anthony N Kuchera, Belen Monteagudo Godoy, Dayah N Chrisman, MoNA Collaboration, *Bull. Am. Phys. Soc.*, GG.00003 Fall Meeting of the APS Division of Nuclear Physics, New Orleans, LA, October 27-30, 2022.
4. **A Mentoring Program for Community Building,** Nathan H Frank, Oscar O Peterson-Veatch*, Megan Anderson*, *Bull. Am. Phys. Soc.*, D13.00004 APS April Meeting (2022).
5. **Performance of a Charged Particle Detector System to Study Unbound Systems at FRIB,** Nathan H Frank, Thomas Baumann, Paul A Deyoung, Paul L Gueye, Anthony N Kuchera, Belen Monteagudo, Georgia Votta*, Henry Webb*, Xinyi Wang, MoNA Collaboration, *Bull. Am. Phys. Soc.*, EJ.00005 Fall Meeting of the APS Division of Nuclear Physics (2021).
6. **Charged Particle Detector Telescope for Studies of Neutron-rich Systems,** Nathan Frank, Georgia Votta*, Thomas Baumann, James Brown, Paul DeYoung, MoNA Collaboration, *Bull. Am. Phys. Soc.*, SC.00004 Fall Meeting of the APS Division of Nuclear Physics, Crystal City, VA (2019).
7. **Sweeper/MoNA-LISA setup to the S800: Study of ^{37}Mg ,** Low Energy Community Meeting, Argonne National Laboratory, Aug. 3-4, 2017.

8. **Selective Population of Unbound Positive Parity States in ^{25}F and ^{26}F** , April American Physical Society Meeting, Washington, D.C., Jan. 28-31, 2017.
9. **Sweeper/MoNA-LISA setup to the S800**, Low Energy Community Meeting, University of Notre Dame, South Bend, IN, Aug. 10-13, 2016.
10. **Quizzes or Exams: that is the question.**, Fall Meeting of the Iowa and Illinois Sections of the American Association of Physics Teachers, Bettendorf, IA, Oct. 24, 2014.
11. **Physics Active Learning (PAL) Problems in a Biological Context**, American Association of Physics Teachers Summer Meeting, Minneapolis, MN, July 29, 2014.
12. **Simulation of a Novel Active Target for Neutron-Unbound State Measurements**, American Physical Society, Division of Nuclear Physics Meeting, Newport News, VA, Oct. 23-26, Bull. Am. Phys. Soc. 58, No. 13, DJ.00009 (2013).
13. **Research on Unstable Atomic Nuclei with Undergraduates**, Celebration of Scholarship at Augustana College, Feb. 18, 2013.
14. **Formative Assessment in an Algebra-based Physics Course**, Fall Meeting of the Illinois Section of the American Association of Physics Teachers at Sherrard High School in Sherrard, IL, Oct. 8-9, 2010.
15. **Cutting-Edge Undergraduate Research in Nuclear Physics**, American Association of Physics Teachers Winter Meeting, Chicago, IL, Feb. 15, 2009.
16. **First excited state of doubly-magic ^{24}O** , American Physical Society, Division of Nuclear Physics Meeting, Nashville, TN, Oct. 25, 2006.
17. **Search for the First Excited State of ^{24}O** , Second Joint Meeting of the American Physical Society and Japanese Physical Society, Division of Nuclear Physics Meeting, Maui, HI, Sep. 18, 2005.
18. **Commissioning of the MSU/FSU Sweeper Magnet**, American Physical Society, Division of Nuclear Physics Meeting, Chicago, IL, Oct. 29, 2004.
19. **Search for ^{19}Mg** , American Physical Society, Philadelphia, PA, April 5, 2003.
20. **Focal Plane Detector System for the MSU/FSU Sweeper Magnet**, American Physical Society, Division of Nuclear Physics Meeting, Lansing, MI, April 5, 2002.

STUDENT
POSTERS
AND PRE-
SENTATIONS

1. **Reconstructing ^{10}Li Neutron-unbound States using a Compact Detector System**, Henry Webb*, Nathan Frank, Celebration of Learning, Augustana College, Rock Island, IL, May 10, 2023.
2. **Reconstructing ^{10}Li Neutron-unbound States using a Compact Detector System**, Henry S Webb*, Nathan H Frank, Xinyi Wang, Belen Monteagudo Godoy, MoNA Collaboration, CEU Poster, Bull. Am. Phys. Soc., HA.00002 Fall Meeting of the APS Division of Nuclear Physics, New Orleans, LA, October 27-30, 2022.
3. **Simulating Two and Three Body Decays of ^{26}F in ROOT**, Molly Garrison, 2022 Physics Congress (PhysCon), Washington, DC, October 6-8, 2022.
4. **Low-Noise Raster Scanner**, Colin Hogan, 2022 Physics Congress (PhysCon), Washington, DC, October 6-8, 2022.
5. **Multi-threaded Fitting of Silicon PIN and CsI detector traces in ROOT**, Henry Webb, 2022 Physics Congress (PhysCon), Washington, DC, October 6-8, 2022.
6. **Utilizing a Novel Neutron Filtering Technique to Analyze Multi-Neutron Datasets**, Oscar Peterson-Veatch*, Nathan Frank, Celebration of Learning, Augustana College, Rock Island, IL, May 4, 2022.
7. **Raster Scanner - Second Generation**, Anas Akkar*, Nathan Frank, Celebration of Learning, Augustana College, Rock Island, IL, May 4, 2022.
8. **Utilizing a Novel Neutron Filtering Technique to Analyze Multi-Neutron Datasets**, Oscar Peterson-Veatch*, Nathan Frank, Warren F Rogers, Andrea Munroe, MoNA Collaboration, Bull. Am. Phys. Soc., HA.00044 Fall Meeting of the APS Division of Nuclear Physics (2021)
9. **Analysis and Simulation of ^{36}Si and ^{34}Al Reaction Products**, Furman W Doty II*, Nathan Frank, MoNA Collaboration, Bull. Am. Phys. Soc., HA.00047 Fall Meeting of the APS Division of Nuclear Physics, Virtual (2021)

10. **Trace Fitting of a Charged Particle Detector Telescope**, Georgia Votta*, Nathan Frank, MoNA Collaboration, Celebration of Learning, Augustana College, Rock Island, IL, May 6, 2021.
11. **Improving our Understanding of Neutron Detection after Isotopic Decay**, Oscar Peterson-Veatch*, Nathan Frank, MoNA Collaboration, Celebration of Learning, Augustana College, Rock Island, IL, May 6, 2021.
12. **Trace Fitting of a Charged Particle Telescope to use with MoNA**, Georgia Votta*, Nathan Frank, Thomas Baumann, Paul Gueye, Thomas Redpath, Belen Monteagudo Godoy, Anthony Kuchera, MoNA Collaboration, EJ.00006, Fall Meeting of the APS Division of Nuclear Physics, Virtual Meeting (2020).
13. **Characterizing a Charged Particle Detector Telescope**, Georgia Votta, 2019 Physics Congress (PhysCon), Providence, RI, November 14-16, 2019.
14. **Study of Neutron-rich Nuclides of $Z = 13, 12$** , John McDonaugh*, Nathan Frank, Robbie Seaton-Todd, Anthony Kuchera, Paul Gueye, Paul DeYoung, MoNA Collaboration, CEU Poster HA.00058, Fall Meeting of the APS Division of Nuclear Physics, Crystal City, VA (2019).
15. **Characterizing a Charged Particle Detector Telescope**, Georgia Votta*, Nathan Frank, Thomas Baumann, James Brown, Paul DeYoung, MoNA Collaboration, CEU Poster HA.00059, Fall Meeting of the APS Division of Nuclear Physics, Crystal City, VA (2019).
16. **Sequential Decay of ^{26}F** , Hayden Karrick*, Nathan Frank, Anthony Kuchera, Caleb Sword, Jaclyn Brett, Paul DeYoung, Michael Thoennessen, MoNA Collaboration, Celebration of Learning, Augustana College, Rock Island, IL, May 1, 2019.
17. **Analysis of Neutron Rich Nuclide**, John McDonaugh*, Nathan Frank, Dayah Chrisman, MoNA Collaboration, Sigma Xi Research Presentations, St. Ambrose University, March 5, 2019.
18. **Sequential Decay of ^{26}F** , Hayden Karrick*, Nathan Frank, Anthony Kuchera, Caleb Sword, Jaclyn Brett, Paul DeYoung, Michael Thoennessen, MoNA Collaboration, Sigma Xi Research Presentations, St. Ambrose University, March 5, 2019.
19. **Sequential Decay of ^{26}F** , Hayden Karrick*, Nathan Frank, Anthony Kuchera, Caleb Sword, Jaclyn Brett, Paul DeYoung, Michael Thoennessen, MoNA Collaboration, CEU Poster, American Physical Society, Division of Nuclear Physics Meeting, Pittsburgh, PA, October 25-28, Bull. Am. Phys. Soc. 62, No. 11, EA.00167 (2017).
20. **Resonances of $^{25,26}\text{F}$ Atomic Nuclei**, Matthew Tuttle-Timm*, Celebration of Learning, Augustana College, Rock Island, IL, May 3, 2017.
21. **Light Output for Unbound Neutron Emission and Simulation Comparison**, Jacob Herman*, 2016 Quadrennial Physics Congress, San Francisco, CA, Nov. 3-5, 2016.
22. **Unbound Resonances of $^{26,25}\text{F}$** , Jacob Herman*, Ali Rabeah*, Matthew Tuttle-Timm*, Spring 2016 Meeting of the Illinois Section of the AAPT, University of Illinois, Urbana, IL, April 22-23, 2016.
23. **Unbound Resonance of ^{26}F** , Matthew Tuttle-Timm*, Ali Rabeah*, Nathan Frank, Jaclyn Brett, Paul DeYoung, Michael Jones, and Michael Thoennessen, MoNA Collaboration, CEU Poster, American Physical Society, Division of Nuclear Physics Meeting, Santa Fe, NM, Oct. 28-31, Bull. Am. Phys. Soc. 60, No. 13, EA.108 (2015).
24. **Atomic Nuclei on the Edge: The Story of ^{25}O** , Joseph Bullaro, Celebration of Learning, Augustana College, Rock Island, IL, May 6, 2015.
25. **Segmented Target Design**, Abdul Merhi*, Celebration of Learning, Augustana College, Rock Island, IL, May 7, 2014.
26. **Segmented Target Design**, Abdul Merhi*, N. Frank, P. Guéye, M. Thoennessen, MoNA Collaboration, CEU Poster, American Physical Society, Division of Nuclear Physics Meeting, Newport News, VA, Oct. 23-26, Bull. Am. Phys. Soc. 58, No. 13, EA.00074 (2013).
27. **Commissioning a Hodoscope Detector**, Andrew Lulis*, Abdul Merhi*, N. Frank, D. Bazin, J. Smith, M. Thoennessen, MoNA Collaboration, CEU Poster, American Physical Society, Division of Nuclear Physics Meeting, Newport News, VA, Oct. 23-26, Bull. Am. Phys. Soc. 58, No. 13, EA.00072 (2013).
28. **Exploration of Three-Body Decay Using Jacobian Coordinates**, Mark Hoffman, Kyle Williams, Celebration of Learning, Augustana College, Rock Island, IL, May 4, 2013.
29. **Exploration of Three-Body Decay Using Jacobian Coordinates**, Mark Hoffmann, Sigma Xi Research Presentations, Augustana College, Rock Island, IL, Jan. 29, 2013.

30. **Testing and Efficiency of a High Efficiency CsI Scintillator Array**, Natalie Viscariello, Sigma Xi Research Presentations, Augustana College, Rock Island, IL, Jan. 29, 2013.
31. **Active Target Simulation**, Nathan M. Smith, Sigma Xi Research Presentations, Augustana College, Rock Island, IL, Jan. 29, 2013.
32. **Testing and Installation of a High Efficiency CsI Scintillator Array**, Natalie Viscariello, 2012 Quadrennial Physics Congress, Orlando, FL, Nov. 8-10, 2012.
33. **Active Target Simulation**, Nathan Smith, 2012 Quadrennial Physics Congress, Orlando, FL, Nov. 8-10, 2012.
34. **Active Target Simulation**, Nathan Smith*, Peter Draznik*, Nathan Frank, CEU Poster, American Physical Society, Division of Nuclear Physics Meeting, Newport Beach, CA, Oct. 24-27, 2012.
35. **Exploration of Three-Body Decay using Jacobian Coordinates**, Mark Hoffman*, Kyle Williams*, Nathan Frank, CEU Poster, American Physical Society, Division of Nuclear Physics Meeting, Newport Beach, CA, Oct. 24-27, 2012.
36. **Testing and Installation of a High-Efficiency CsI Scintillator Array**, Stuart Casarotto*, Celebration of Learning, Augustana College, Rock Island, IL, May 5, 2012.
37. **Analysis of Neutron-Rich Isotopes**, Natalie Viscariello*, Celebration of Learning, Augustana College, Rock Island, IL, May 5, 2012.
38. **Testing and Installation of a High Efficiency CsI Scintillator Array**, Natalie Viscariello*, Stuart Casarotto*, N. Frank, J. Smith, and M. Thoennessen, CEU Poster, Bulletin of the American Physical Society DNP11-2011-020091, Division of Nuclear Physics Meeting, East Lansing, MI, Oct. 26-29, 2011.
39. **Analysis of an Experiment on Neutron-Rich Isotopes**, Mark Warren*, Celebration of Learning, Augustana College, Rock Island, IL, May 7, 2011.
40. **Analysis of an Experiment on Neutron-rich Isotopes**, S. Ash*, M. Warren*, G. Christian, N. Frank, A. Gade, A. Spyrou, M. Thoennessen, T. Baumann, G.F. Grinyer, D. Weisshaar, and P.A. DeYoung, CEU Poster, American Physical Society, Division of Nuclear Physics Meeting, Santa Fe, NM, Nov. 2-6, 2010.
41. **A Study of Neutron-Rich Nuclei**, Steven Ash*, Mark Warren*, and Nathan Frank, Celebration of Learning, Augustana College, Rock Island, IL, May 8, 2010.
42. **Observation of a Resonance State in ^{25}F** , Alison R. Smith*, 20th John Wesley Powell Student Research Conference, Illinois Wesleyan University, Bloomington, IL, April 18, 2009.
43. **Observation of a Resonance State in ^{26}F** , Mark S. Kasparczyk*, 20th John Wesley Powell Student Research Conference, Illinois Wesleyan University, Bloomington, IL, April 18, 2009.
44. **Observation of a Resonance State in ^{25}F** , Alison R. Smith*, Mark S. Kasparczyk, Nathan H. Frank, MoNA Collaboration, Spring Meeting of the Illinois Section of the AAPT, Illinois Wesleyan University, Bloomington, IL, April 3-4, 2009.
45. **Observation of a Resonance State in ^{26}F** , Mark S. Kasparczyk*, Alison R. Smith, Nathan H. Frank, MoNA Collaboration, Spring Meeting of the Illinois Section of the AAPT, Illinois Wesleyan University, Bloomington, IL, April 3-4, 2009.
46. **Observation of a Resonance State in ^{25}F** , Alison R. Smith*, Mark S. Kasparczyk, Nathan H. Frank, MoNA Collaboration, 19th Annual Argonne Symposium for Undergraduates in Science, Engineering and Mathematics, Argonne National Laboratory, Argonne, IL, Nov. 7, 2008.

POSTERS

Targeted Student Experiences in a Superconductivity Lab, Nathan Frank (Augustana College), Conference on Laboratory Instruction Beyond the First Year of College, University of Pennsylvania and Drexel University, Philadelphia, NJ, July 25-27, 2012.

Angular Momentum Outside of the Classical Mechanics Courses, Nathan H. Frank (Augustana College) and Gabriel C. Spalding (Illinois Wesleyan University), Topical Conference on Advanced Laboratories, University of Michigan, Ann Arbor, MI, July 23-25, 2009.

Search for ^{19}Mg , N. H. Frank, Radioactive Nuclear Beams 6, Argonne, IL, Sep. 22-26, 2003.

LEADERSHIP,
SERVICE,
AND
OUTREACH

2023 Career Day Visit at Glenview Middle School, East Moline, IL
2022 - FIRST Robotics Host at Augustana College
2023 - Member of Enrollment Committee
2023 Science Rep for Teacher Education Committee
2019, 2022 - 23 First-year advisor
2021-22 Executive Director of the MoNA Collaboration
2021 Chair of Session at DNP Meeting, EJ Instrumentation II
2020-21 APS Physics Department Chair Conference
2020 - Formed APS-IDEA working group in department to help students feel welcomed and supported
2020 On Review Panel for Department of Energy Nuclear Physics Proposals
2020, 2021 Individual Reviewer for NSF Grant
2020 and 2021 Taught LSC course for incoming or high school students
2018- Chair of Physics and Astronomy
Chaired hiring committees in 2021, 2020, and 2018; part of additional hiring committees in 2020, 2019, and 2018
2018-20 Facilities Planning Committee
2018-19 Treasurer of Bowlesburg Elementary PTA
2018 Organized Bowlesburg Elementary School Outreach for Fourth Graders in which we performed physics demonstrations
2016-on Advisor for Gaming Club
2016 Organized Bowlesburg Elementary School Outreach for Second Graders in which we performed physics demonstrations
2016 Past President for John Deere Chapter of Sigma Xi
2015 President for John Deere Chapter of Sigma Xi
2014 President-Elect for John Deere Chapter of Sigma Xi
2014-15 Steering Committee for the "Conference on Laboratory Instruction Beyond the First Year of College II" organized by ALPhA
2013- Advisor for Alpha Psi Omega (APO)
2013-14 First-year Student Advisor
2013-16 General Education Committee
2013-17 Academic Computing Committee
2012-14 Public Safety Committee
2012-14 Faculty Research Committee
2011-16 Advisor for Pre-medical Professional Students
2011-16 Organized Bowlesburg Elementary School Outreach for First Graders in which we performed physics demonstrations
2011-12 Executive Director of the MoNA Collaboration
2011-12 Steering Committee for the "2012 Conference on Laboratory Instruction Beyond the First Year" organized by ALPhA
2011-13 Secretary for John Deere Chapter of Sigma Xi
2011-12 Accommodations Committee for Students with Special Needs
2010-14 Safety Officer of the Physics and Astronomy Department