

Michael B. Bennett

QSEnSE NSF QLCI
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Education

- 2011–2016 **M.S. Physics, Ph.D. Physics**
Michigan State University, East Lansing, MI USA.
Thesis title: *Isospin Mixing and the $^{30}\text{P}(p,\gamma)^{31}\text{S}$ Reaction Rate*. Advisor: Christopher Wrede.
- 2005–2009 **B.S. Physics *cum laude***
Westmont College, Santa Barbara, CA USA.
Minors: Mathematics, Music

Current Position

- 2021– **Director for Education and Workforce Development**
Q-SEnSE NSF Quantum Leap Challenge Institute, University of Colorado Boulder, Boulder, CO USA.
- Responsibilities:**
- **Lead comprehensive education and workforce efforts at Q-SEnSE.** As Q-SEnSE's senior education personnel, I oversee a number of projects to train undergraduate and graduate students for entering the quantum science workforce. Current projects include development of a senior quantum capstone project, creation of an internship program for underserved students, and design of a professional MS program in quantum engineering.
 - **Coordinate education efforts across Q-SEnSE member institutions.** Q-SEnSE is comprised of 11 unique institutions. I work to ensure that education efforts are communicated across the Q-SEnSE network and foster collaboration between member organizations.
 - **Cross-cutting collaborative efforts in QISE education.** I collaborate with other QLCIs, non-profits, members of industry, national labs, and other key stakeholders in the quantum science field in order to help shape the future of quantum science workforce development.

Research Experience

- 2016–2021 **Research Associate**
University of Colorado Boulder, Boulder, CO USA.
Primary Research Focus: Pedagogy of instructors in informal physics education environments, particularly after-school programs. Developed model for characterizing pedagogy in informal spaces.
- 2011–2016 **Graduate Research Assistant**
Michigan State University, East Lansing, MI USA.
Primary research focus: beta-decay studies of proton-rich nuclei with an emphasis on classical nova nucleosynthesis. Helped lead experimental study of: ^{26}P , ^{31}Cl , and ^{20}Mg . Analyzed data quantitatively for publication and dissertation. Mentored undergraduates in research field.

2009 **Post-Baccalaureate Researcher**

Westmont College, Santa Barbara, CA USA.

Assisted in reconstruction of the Cosmic Muon Detection Array and development of control suite software, participated in study of neutron-rich nuclides with the MoNA array at National Superconducting Cyclotron Laboratory

2007–2009 **Undergraduate Research Assistant**

Westmont College, Santa Barbara, CA USA.

Assisted in calibration and testing of 24-inch Westmont Keck Telescope, observed RR Lyrae variable stars and generated light curves, recorded asteroid orbits for astronomy circulars

Teaching and Other Professional Experience

2016-2021 **Director of Educational Outreach and Research**

JILA NSF Physics Frontier Center at University of Colorado Boulder, Boulder, CO USA.

Lead JILA PFC's public engagement efforts through administration of the *Partnerships for Informal Science Education in the Community (PISEC)* program. Coordinated JILA PFC's broader impacts efforts. Led cutting-edge physics education research efforts into informal physics learning.

2021 **Lead Instructor**

University of Colorado Boulder, Boulder, CO USA.

PHYS/EDUC 4460, PHYS/EDUC 4470, "Teaching and Learning Physics." Solo instructor for the semester. Organized discussion and project-based curriculum; covered survey of canonical PER, epistemology frameworks, ethics in physics, science in society.

2020 **Guest Lecturer**

University of Colorado Boulder, Boulder, CO USA.

PHYS 1230, "Light and Color." Covered additive and subtractive color mixing, color vision.

Fall 2015 **Guest Instructor**

Lyman Briggs College, Michigan State University, East Lansing, MI USA.

In a team, developed and facilitated two-week inquiry-based activity for teaching angular momentum and momentum conservation for *LB 273: Physics I (Lab Component)*

Spring 2012 **Teaching Assistant**

Department of Physics, Michigan State University, East Lansing, MI USA.

Taught: PHY-192 Physics Laboratory for Scientists II

Fall 2011 **Teaching Assistant**

Department of Physics, Michigan State University, East Lansing, MI USA.

Taught: PHY-251 Undergraduate Physics Laboratory I

2009–2011 **Substitute Instructor**

Department of Physics, Westmont College, Santa Barbara, CA USA.

Taught: PHY-150 Electrodynamics I (2 Lectures), PHY-025 Modern Physics (2 Lectures), PHY-011 Gen. Phys. for Life Sciences I (1 Lecture)

2007–2011 **Teaching Assistant**

Department of Physics, Westmont College, Santa Barbara, CA USA.

Various classes: Gave recitation/help sessions

Outreach, Workshops, & Other Informal Education

- 2018-2019 **Developer/Facilitator**, *Designing and Assessing Informal Physics Programs* Workshop
American Association of Physics Teachers Summer Meeting.
Designed and co-led workshop training participants in research-based practices for creating, implementing, and assessing informal STEM learning programs at 2018 and 2019 AAPT Summer Meetings
- Summer 2015 **Instructor**, *Physics of Atomic Nuclei* Camp, Michigan State University
East Lansing, MI USA.
Developed and Taught: Inquiry-based gamma-ray spectroscopy laboratory for high school teachers and high school students
- 2014-2016 **Student Director, JINA Detroit Outreach Program**, National Superconducting Cyclotron Laboratory
East Lansing, MI USA.
Organized and executed outreach trips to underserved Detroit schools, trained graduates in outreach
- 2010-2011 **Astronomy Programs Assistant**, Santa Barbara Museum of Natural History
Santa Barbara, CA USA.
Developed and improved astronomy presentation program, supervised and trained volunteers, taught visitors

Service and Leadership

- 2021-present **Member-at-Large**, APS Forum on Outreach and Engaging the Public.
Served on nomination, minigrant committees, organized public engagement activities with FOEP, etc.
- 2021-2022 **Editor in Chief**, *Proceedings of the Physics Education Research Conference (PERC)*.
Oversaw PERC Proceedings and supervised editorial process. Coordinated between PER Leadership Council and editorial team. Worked to set up systematization of double-confidential transformations from 2021.
- 2020-2021 **Editor**, *Proceedings of the Physics Education Research Conference (PERC)*.
Managed peer-review and publication process, coordinated editorial team. In 2020 the Proceedings shifted to a double-confidential review system; I led the implementation of this change and designed the processes and policies currently implemented by the Proceedings in this system.
- 2019-2020 **Assistant Editor**, *Proceedings of the Physics Education Research Conference (PERC)*.
Organized and solicited invited focus papers from PERC plenary speakers, assisted Editor and Editor-in-Chief
- 2018-2022 **Founding Member**, JILA Excellence in Diversity and Inclusion Task Force
JILA NSF Physics Frontier Center, Boulder, CO USA.
Assessed issues of equity and representation at JILA, developed strategies for effecting cultural and structural improvements
- 2018-2019 **Organizing Committee Member**, Physics Education Research Conference (PERC).
Planned and coordinated both strategic and logistical goals and needs for PERC 2019, liaised with leadership in AAPT, PER-Central, and PERLOC as well as keynote speakers and community partners, managed and organized abstract submissions

- 2016 **Co-founder**, Physics Graduate Organization Inclusion Task Force
Michigan State University, East Lansing, MI USA.
Organized short-term team of graduate students to develop and implement departmental changes toward a more inclusive and equitable culture
- 2015–2016 **Seminar Organization Chair**, Physics Graduate Organization
Michigan State University, East Lansing, MI USA.
Organized and implemented weekly graduate student seminars, panels, and workshops
- 2014–2015 **Vice President**, Women and Minorities in the Physical Sciences
Michigan State University, East Lansing, MI USA.
Developed Student Advocacy Initiative, organized and facilitated WaMPS events and discussions
- 2013–2014 **President**, Physics Graduate Organization
Michigan State University, East Lansing, MI USA.
Supervised PGO officers, participated in physics department administrative committee meetings, developed and implemented departmental climate survey

Awards and Grants

- 2021 **CU Boulder Physics Department Award for Outstanding Service.**
University of Colorado Boulder
- 2021 **JILA Excellence in Diversity and Inclusivity Award.**
JILA NSF Physics Frontier Center, University of Colorado Boulder
- 2020 **CU Boulder 2020 Community Impact Grant**
“A Joint Outreach Model in the COVID Era”.
Amount Funded: \$3200. University of Colorado Boulder
- 2020 **APS Forum on Education Minigrant**
“A Multimodal, Partnership-Based Public Engagement Model for the COVID Era”.
Amount Funded: \$480. American Physical Society
- 2019 **E. Leonard Jossem International Education Fund Grant**
“The *Partnerships for Informal Science Education in the Community* Intercultural Camp: A New Model for Cross-Cultural Collaboration in Informal STEM Education”.
Amount Funded: \$1970. American Association of Physics Teachers
- 2019 **Anne K. Heinz Staff Award for Excellence in Outreach and Engagement.**
Award Amount: \$5,000. University of Colorado Boulder
- 2017 **CU Boulder 2017-2018 Faculty Outreach Award**
“Computation-Based Education Curricula for PISEC”.
Amount Funded: \$6,000. University of Colorado Boulder
- 2016 **Sherwood K. Haynes Outstanding Thesis Defense Award.**
Michigan State University
- 2016 **Merit-Based Dissertation Completion Fellowship.**
Michigan State University
- 2016 **Division of Nuclear Physics Travel Award.**
American Physical Society

2015 **Thomas A. Kaplan Award for Outstanding Brown Bag Seminar.**
Michigan State University

Advisory Work and Professional Group Membership

2022–	JNIPER Network	<i>Co-founder, Steering Committee</i>
2021–2023	QuSTEAM Quantum Education Network	<i>Advisory Board Member</i>
2019–2022	Physics Education Research Early Career Group	<i>Member</i>
2018–2022	Informal Physics Education Research (IPER) Network	<i>Founding Member</i>
2017–	American Association of Physics Teachers	<i>Member</i>
2016–	American Physical Society	<i>Member</i>

Research Mentoring

2021–2022	Phoebe Rudnick	<i>Undergraduate, University of Colorado Boulder</i>
2020–2021	Brianna Dickey	<i>Undergraduate, University of Colorado Boulder</i>
2020	Lindsay House	<i>Postbaccalaureate, University of Colorado Boulder</i>
2018–2020	Megan Walters	<i>Undergraduate Honors Thesis, University of Colorado Boulder</i>
2017–2018	Emily E. Hayden	<i>Undergraduate & Postbaccalaureate, University of Colorado Boulder</i>
2014–2016	Eric Aboud	<i>Undergraduate, Michigan State University (NSCL)</i>
2014	Xinyi Xu	<i>Undergraduate, Michigan State University (NSCL)</i>
2013	Helin Zhang	<i>Undergraduate, Michigan State University (NSCL)</i>
2012–2013	Marco Santia	<i>Undergraduate, Michigan State University (NSCL)</i>
2012–2013	James Quaglia	<i>Undergraduate, Michigan State University (NSCL)</i>
2012–2013	Safwan Shanab	<i>Undergraduate, Michigan State University (NSCL)</i>

Creative Activity

2020 **Scientific Consultant**, *The Science of Backyard Fun*
R. L. Van, Abdo Publishing.
Minneapolis, Minnesota 55439.

Languages

English	<i>Fluent</i>
French	<i>Intermediate</i>

Selected Presentations

Jul 2022 **Diverse Pathways to the Quantum Industry at Q-SENSE**, M.B. Bennett
Contributed Talk, American Association of Physics Teachers Summer Meeting 2023.
Grand Rapids, MI USA

- Apr 2021 **Playing to Our Strengths: Collaborative Models for Public Engagement in the COVID Era**, M.B. Bennett
Invited Talk, American Physical Society April Meeting 2021.
Online Conference
- Jul 2020 **A Refined Model for Characterizing Pedagogy in Informal Learning Environments**, M.B. Bennett
Contributed Talk, American Association of Physics Teachers Summer Meeting 2020.
Online Conference
- Jan 2020 **Learning from Engaging: University-Community Partnerships as a Model for Student Development**, N.D. Finkelstein and M.B. Bennett
Co-Invited Talk, American Association of Physics Teachers Winter Meeting 2020.
Caribe Royale Orlando, Orlando FL USA
- Jul 2019 **What Factors Influence Pedagogical Methods in Informal Spaces?**, M.B. Bennett
Contributed Talk, American Association of Physics Teachers Summer Meeting 2019.
Utah Valley Convention Center, Provo UT USA
- Aug 2018 **Impacts of Educational Structures on Pedagogical Approaches in Informal Learning**, M.B. Bennett
Contributed Talk, American Association of Physics Teachers Summer Meeting 2018.
Renaissance Washington D.C. Hotel, Washington DC USA
- July 2017 **The Effect of Explicit Training in Pedagogical Modes for Informal Physics Educators**, M.B. Bennett
Poster Presentation, Physics Education Research Conference 2017.
Northen Kentucky Convention Center, KY USA
- July 2017 **Preparing Physicists to be Informal Educators**, M.B. Bennett
Contributed Talk, American Association of Physics Teachers Summer Meeting 2017.
Northen Kentucky Convention Center, KY USA
- June 2016 **Tiny Little Rocks and Big Ol' Explosions: How Meteorites Can Contain Secrets From Ancient Stars**, M.B. Bennett
Invited Public Talk, Astronomy on Tap.
The Beer Grotto, Lansing, MI USA
- April 2016 **$^{31}\text{Cl } \beta^+$ Decay and the $^{30}\text{P}(p, \gamma)^{31}\text{S}$ Reaction in Nova Nucleosynthesis**, M.B. Bennett
Contributed Talk, APS April Meeting 2016.
Salt Palace Convention Center, Salt Lake City, UT USA
- March 2015 **(Iso)Spin Doctors: Cheating Your Way to Nuclear Structure Science With This One Weird Trick**, M.B. Bennett
Seminar Presentation, Physics Graduate Organization Seminar.
Michigan State University, East Lansing, MI USA
- July 2014 **Measuring the Beta Decay of ^{26}P to Determine Classical ^{26}Al Production in the Milky Way**, M.B. Bennett
Contributed Plenary Talk, Nuclei in the Cosmos XIII Conference.
Kölcsy Convention Center, Debrecen, Hungary

March 2014 **Caught Between A Rock and a Degenerate Star: Do Presolar Nova Grains Come From Novae?**, M.B. Bennett
Seminar Presentation, NSCL Graduate Student Seminar.
Michigan State University, East Lansing, MI USA

Refereed Publications

- [1] **M. B. Bennett**, K. A. Hinko, and D. Izadi. Challenges and opportunities for informal physics learning in the COVID era. *Phys. Rev. Phys. Educ. Res.*, 17:023102, Jul 2021.
- [2] **M. B. Bennett**, B. Fiedler, and N. D. Finkelstein. Refining a model for understanding and characterizing instructor pedagogy in informal physics learning environments. *Physical Review Physics Education Research*, 16(2):020137, 2020.
- [3] B. Fiedler, **M. B. Bennett**, N. E. Johnson, and E. Moore. Coordinating epistemic frames in informal physics: Agency, support, and technology. *Proceedings of the Physics Education Research Conference 2019*, July 24-25 2019.
- [4] **M. B. Bennett**, B. Fiedler, and N. Finkelstein. What factors influence pedagogical methods in informal learning spaces? *Proceedings of the Physics Education Research Conference 2019*, July 24-25 2019.
- [5] B. E. Glassman, D. Pérez-Loureiro, C. Wrede, J. Allen, D. W. Bardayan, **M. B. Bennett**, K. A. Chipps, M. Febbraro, M. Friedman, C. Fry, M. R. Hall, O. Hall, S. N. Liddick, P. O'Malley, W. Ong, S. D. Pain, S. B. Schwartz, P. Shidling, H. Sims, L. J. Sun, P. Thompson, and H. Zhang. Doppler broadening in $^{20}\text{Mg}(\beta p \gamma)^{19}\text{Ne}$ decay. *Phys. Rev. C*, 99:065801, Jun 2019.
- [6] B.E. Glassman, D. Pérez-Loureiro, C. Wrede, J. Allen, D.W. Bardayan, **M.B. Bennett**, B.A. Brown, K.A. Chipps, M. Febbraro, M. Friedman, C. Fry, M.R. Hall, O. Hall, S.N. Liddick, P. O'Malley, W.J. Ong, S.D. Pain, C. Prokop, S.B. Schwartz, P. Shidling, H. Sims, P. Thompson, and H. Zhang. β -delayed γ decay of ^{20}Mg and the $^{19}\text{Ne}(p, \gamma)^{20}\text{Na}$ breakout reaction in type I X -ray bursts. *Physics Letters B*, 778:397–402, 2018.
- [7] E. Aboud, **M. B. Bennett**, C. Wrede, M. Friedman, S. N. Liddick, D. Pérez-Loureiro, D. W. Bardayan, B. A. Brown, A. A. Chen, K. A. Chipps, C. Fry, B. E. Glassman, C. Langer, E. I. McNeice, Z. Meisel, W.-J. Ong, P. D. O'Malley, S. D. Pain, C. J. Prokop, H. Schatz, S. B. Schwartz, S. Suchyta, P. Thompson, M. Walters, and X. Xu. Toward complete spectroscopy using β decay: The example of $^{32}\text{Cl}(\beta \gamma)^{32}\text{S}$. *Phys. Rev. C*, 98:024309, Aug 2018.
- [8] **M. B. Bennett**, C. Wrede, S. N. Liddick, D. Pérez-Loureiro, D. W. Bardayan, B. A. Brown, A. A. Chen, K. A. Chipps, C. Fry, B. E. Glassman, C. Langer, N. R. Larson, E. I. McNeice, Z. Meisel, W. Ong, P. D. O'Malley, S. D. Pain, C. J. Prokop, H. Schatz, S. B. Schwartz, S. Suchyta, P. Thompson, M. Walters, and X. Xu. Detailed study of the decay $^{31}\text{Cl}(\beta \gamma)^{31}\text{S}$. *Phys. Rev. C*, 97:065803, Jun 2018.
- [9] B. Fiedler, C. Fracchiolla, **M. B. Bennett**, K. A. Hinko, and N. D. Finkelstein. A design-based informal physics program from a youth perspective. *Proceedings of the Physics Education Research Conference 2018*, August 1-2 2018.

- [10] **M. B. Bennett**, K. A. Hinko, B. Fiedler, and N. D. Finkelstein. The effect of explicit preparation in pedagogical modes for informal physics educators. *Proceedings of the Physics Education Research Conference 2017*, pages 52–55, July 26-27 2017.
- [11] C. Wrede, B. E. Glassman, D. Pérez-Loureiro, J. M. Allen, D. W. Bardayan, **M. B. Bennett**, B. A. Brown, K. A. Chipps, M. Febraro, C. Fry, M. R. Hall, O. Hall, S. N. Liddick, P. O'Malley, W.-J. Ong, S. D. Pain, S. B. Schwartz, P. Shidling, H. Sims, P. Thompson, and H. Zhang. New portal to the $^{15}\text{O}(\alpha, \gamma)^{19}\text{Ne}$ resonance triggering CNO-cycle breakout. *Phys. Rev. C*, 96:032801, Sep 2017.
- [12] D. Pérez-Loureiro, C. Wrede, **M. B. Bennett**, S. N. Liddick, A. Bowe, B. A. Brown, A. A. Chen, K. A. Chipps, N. Cooper, E. McNeice, F. Naqvi, R. Ortez, S. D. Pain, J. Pereira, C. Prokop, S. J. Quinn, J. Sakstrup, M. Santia, S. B. Schwartz, S. Shanab, A. Simon, A. Spyrou, and E. Thiagalingam. Confirmation of the isomeric state in ^{26}P . *Phys. Rev. C*, 96:014306, Jul 2017.
- [13] D. Pérez-Loureiro, C. Wrede, **M. B. Bennett**, S. N. Liddick, A. Bowe, B. A. Brown, A. A. Chen, K. A. Chipps, N. Cooper, D. Irvine, E. McNeice, F. Montes, F. Naqvi, R. Ortez, S. D. Pain, J. Pereira, C. Prokop, J. Quaglia, S. J. Quinn, J. Sakstrup, M. Santia, S. B. Schwartz, S. Shanab, A. Simon, A. Spyrou, and E. Thiagalingam. β -delayed γ -decay of ^{26}P : Possible evidence of a proton halo. *Phys. Rev. C*, 93(6):064320, 2016.
- [14] **M. B. Bennett**, C. Wrede, B. A. Brown, S. N. Liddick, D. Pérez-Loureiro, D. W. Bardayan, A. A. Chen, K. A. Chipps, C. Fry, B. Glassman, C. Langer, N. Larson, E. I. McNeice, Z. Meisel, W. Ong, P. O'Malley, S. D. Pain, C. Prokop, H. Schatz, S. B. Schwartz, S. Suchyta, P. Thompson, M. Walters, and X. Xu. Investigation of the isobaric multiplet mass equation in $A = 31, T = 3/2$ quartets. *Phys. Rev. C*, 93(6):064310, 2016.
- [15] B. E. Glassman, D. Pérez-Loureiro, C. Wrede, J. Allen, D. W. Bardayan, **M. B. Bennett**, B. A. Brown, K. A. Chipps, M. Febraro, C. Fry, M. R. Hall, O. Hall, S. N. Liddick, P. O'Malley, W. Ong, S. D. Pain, S. B. Schwartz, P. Shidling, H. Sims, P. Thompson, and H. Zhang. Revalidation of the isobaric multiplet mass equation for the $A = 20$ quintet. *Phys. Rev. C*, 92:042501, Oct 2015.
- [16] **M. B. Bennett**, C. Wrede, B. A. Brown, S. N. Liddick, D. Pérez-Loureiro, D. W. Bardayan, A. A. Chen, K. A. Chipps, C. Fry, B. E. Glassman, C. Langer, N. R. Larson, E. I. McNeice, Z. Meisel, W. Ong, P. D. O'Malley, S. D. Pain, C. J. Prokop, H. Schatz, S. B. Schwartz, S. Suchyta, P. Thompson, M. Walters, and X. Xu. Isospin mixing reveals $^{30}\text{P}(p, \gamma)^{31}\text{S}$ resonance influencing nova nucleosynthesis. *Phys. Rev. Lett. (Editor's Suggestion)*, 116:102502, Mar 2016.
- [17] S. B. Schwartz, C. Wrede, **M. B. Bennett**, S. N. Liddick, D. Pérez-Loureiro, A. Bowe, A. A. Chen, K. A. Chipps, N. Cooper, D. Irvine, E. McNeice, F. Montes, F. Naqvi, R. Ortez, S. D. Pain, J. Pereira, C. Prokop, J. Quaglia, S. J. Quinn, J. Sakstrup, M. Santia, S. Shanab, A. Simon, A. Spyrou, and E. Thiagalingam. Observation of doppler broadening in β -delayed proton- γ decay. *Phys. Rev. C*, 92:031302, Sep 2015.
- [18] S. Suchyta, S. N. Liddick, Y. Tsunoda, T. Otsuka, **M. B. Bennett**, A. Chemey, M. Honma, N. Larson, C. J. Prokop, S. J. Quinn, N. Shimizu, A. Simon, A. Spyrou, V. Tripathi, Y. Utsuno, and J. M. VonMoss. Shape coexistence in ^{68}Ni . *Phys. Rev. C*, 89:021301, Feb 2014.
- [19] **M. B. Bennett**, C. Wrede, K. A. Chipps, J. José, S. N. Liddick, M. Santia, A. Bowe, A. A. Chen, N. Cooper, D. Irvine, E. McNeice, F. Montes, F. Naqvi, R. Ortez, S. D. Pain, J. Pereira, C. Prokop,

J. Quaglia, S. J. Quinn, S. B. Schwartz, S. Shanab, A. Simon, A. Spyrou, and E. Thiagalingam. Classical-nova contribution to the Milky Way's ^{26}Al abundance: Exit channel of the key $^{25}\text{Al}(\rho, \gamma)^{26}\text{Si}$ resonance. *Phys. Rev. Lett.*, 111:232503, Dec 2013.

- [20] M. Thoennessen, S. Mosby, N.S. Badger, T. Baumann, D. Bazin, **M. Bennett**, J. Brown, G. Christian, P.A. DeYoung, J.E. Finck, M. Gardner, E.A. Hook, B. Luther, D.A. Meyer, M. Mosby, W.F. Rogers, J.K. Smith, A. Spyrou, and M.J. Strongman. Observation of a low-lying neutron-unbound state in ^{19}C . *Nuclear Physics A*, 912(0):1 – 6, 2013.
- [21] N. Larson, S.N. Liddick, **M. Bennett**, A. Bowe, A. Chemey, C. Prokop, A. Simon, A. Spyrou, S. Suchyta, S.J. Quinn, S.L. Tabor, P.L. Tai, Vandana Tripathi, and J.M. VonMoss. High efficiency beta-decay spectroscopy using a planar germanium double-sided strip detector. *Nuclear Instruments and Methods in Physics Research Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, 727(0):59 – 64, 2013.
- [22] S. Mosby, N.S. Badger, T. Baumann, D. Bazin, **M. Bennett**, J. Brown, G. Christian, P.A. DeYoung, J.E. Finck, M. Gardner, J.D. Hinnefeld, E.A. Hook, E.M. Lunderberg, B. Luther, D.A. Meyer, M. Mosby, G.F. Peaslee, W.F. Rogers, J.K. Smith, J. Snyder, A. Spyrou, M.J. Strongman, and M. Thoennessen. Search for ^{21}C and constraints on ^{22}C . *Nuclear Physics A*, 909(0):69 – 78, 2013.

Reviewed Book Chapters / Commissioned Works

- [1] **M. B. Bennett**, C. Fracchiola, D. B. Harlow, and K. Rosa. In M. F. Taşar and P. R. L. Heron, editors, *The International Handbook of Physics Education Research: Teaching Physics*, chapter 12: “Informal Learning in Physics”, pages 12.1–12.28. AIP Publishing, 2023.
- [2] **M. B. Bennett**, N. D. Finkelstein, and D. Izadi. In J. Guisasola and E. McLoughlin, editors, *Connecting Research in Physics Education with Teacher Education, Volume 3*, chapter 13: “An Overview of Informal Physics Education”, pages 223–239. International Commission on Physics Education, 2022.

Non-refereed Publications

- [1] **M. B. Bennett**, K. A. Hinko, and D. Izadi. It's time to act on supporting public engagement. *Physics Magazine*, Volume 14(102), 2021.
- [2] B. E. Glassman, D. Pérez-Loureiro, C. Wrede, J. M. Allen, D. W. Bardayan, **M. B. Bennett**, B. A. Brown, O. Hall, S. N. Liddick, A. Magilligan, P. O'Malley, W. Ong, S. D. Pain, P. Shidling, H. Sims, P. Thompson, and H. Zhang. Superallowed $0^+ \rightarrow 0^+$ β decay of $T = 2$ ^{20}Mg : Q_{ec} value and $\beta\gamma$ branching. 2019.
- [3] **M.B. Bennett**, C. Wrede, K.A. Chipps, J. José, S.N. Liddick, M. Santia, A. Bowe, A.A. Chen, N. Cooper, D. Irvine, E. McNeice, F. Montes, F. Naqvi, R. Ortez, S.D. Pain, J. Pereira, C. Prokop, J. Quaglia, S.J. Quinn, S.B. Schwartz, S. Shanab, A. Simon, A. Spyrou, , and E. Thiagalingam. Measurement of the beta decay of ^{26}P to determine classical nova ^{26}Al production in the milky way galaxy. *13th International Symposium on Nuclei in the Cosmos*, 40, 2015.

- [4] C. Wrede, **M.B. Bennett**, S.N. Liddick, D.W. Bardayan, A. Bowe, B.A. Brown, A.A. Chen, K.A. Chipps, N. Cooper, C. Fry, B. Glassman, D. Irvine, J. José, C. Langer, N. Larson, E.I. McNeice, Z. Meisel, F. Montes, F. Naqvi, S.D. Pain, P. O'Malley, R. Ortez, W. Ong, J. Pereira, D. Pérez-Loureiro, C. Prokop, J. Quaglia, S. Quinn, M. Santia, H. Schatz, S.B. Schwartz, A. Simon, S. Shanab, A. Spyrou, , and S. Suchyta. β decay as a probe of explosive nucleosynthesis in classical novae. *13th International Symposium on Nuclei in the Cosmos*, 40, 2015.