Michael B. Bennett

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REFERENCES AVAILABLE UPON REQUEST

Education

2011–2016 **Ph.D. Physics, M.S. Physics**
Michigan State University, East Lansing, MI USA.
Thesis title: *Isospin Mixing and the* $^{30}P(p,\gamma)^{31}S$ *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.
Responsibilites:
- **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. Flagship education and workforce programs include a senior quantum capstone project and a professional quantum society for students at non-R1 institutions.
- **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 parties in the quantum education field to help meet the growing workforce needs of the quantum industry.

Prior Experience: Research Positions

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.

Prior Experience: Teaching and Educational Design Positions

2022–present **Course Designer**
University of Colorado Boulder, Boulder, CO USA.
Lead designer for PHYS-4700, "Quantum Forge" capstone. Created professional development content, designed course schedule, facilitated student engagement with industry members, gave guest lectures alongside instructor of record.

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

2025 **Facilitator**, *Build your Science Trust Toolkit: Moving from Correction to Connection* Workshop
American Physical Society Global Physics Summit.
Co-led workshop focused on developing science communication skills to build trust in scientists and in science

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. Workshop was the basis for the current APS JNIPER Summer Workshop Series.

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.

Service and Leadership

2025 **Vice Chair**, Committee for Public Engagement
American Physical Society.
Part of the inaugural STPA cohort; led discussions on facilitating connection between scientists and the public.

2025– **Science Trust Ambassador**, American Physical Society Science Trust Project.
Part of the inaugural STPA cohort; led discussions on facilitating connection between scientists and the public.

2024–2025 **Organizing Committee Lead**, Quantum Education and Policy Summit 2025.
Led the design and coordination of national education-focused quantum summit.

2024– **Member**, Committe for Public Engagement
American Physical Society.
As part of the committee, helped set strategic priorities for APS's public engagement efforts, including through grant allocation. Served on Strategic Planning Subcommittee and International Year of Quantum Subcommittee.

2023-2024 **Organizing Committee Member**, *JNIPER Summit 2024: Building Sustainable and Integrated Public Engagement in Physics* Conference
Joint Network for Informal Physics Education and Research.
As part of the team, organized national summit for the purposes of strategic planning in informal physics education.

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 Committe 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, Grants, and Honors

2025 **NSF DRL Advancing Informal STEM Learning**
"Developing a STEM Education Tabletop Roleplaying Game for Informal Science Learning" **(Co-PI)**.
Amount Funded: $1,347,175 National Science Foundation

2025 **NSF MSP Conference**
"Workshop to Improve Collaboration in Quantum Education and Workforce Development" **(PI)**.
Amount Funded: $48,000. National Science Foundation

2025 **Conference Award**
Quantum Economic Development Consortium.
Amount Funded: $10,000 University of Colorado Boulder

2023 **CU Boulder Research & Innovation Office Faculty Conference Award**
Joint Network for Informal Physics Education and Research Summit.
Amount Funded: $2,980 University of Colorado Boulder

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: $3,200 University of Colorado Boulder

2020 **APS Forum on Education Minigrant**
"A Multimodal, Partnership-Based Public Engagement Model for the COVID Era".
Amount Funded: $480. Americal 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: $1,970. 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**	*Co-founder, Steering Committee*
2021–2023	**QuSTEAM Quantum Education Network**	*Advisory Board Member*
2019–2022	**Physics Education Research Early Career Group**	*Member*
2018–2022	**Informal Physics Education Research (IPER) Network**	*Founding Member*
2017–	**American Association of Physics Teachers**	*Member*
2016–	**American Physical Society**	*Member*

Research Mentoring and Management

2025–	**Dr. Alexandar Liguori-Schremp**	*Research Associate, University of Colorado Boulder*
2023–2024	**Joan Arrow**	*Research Associate, University of Colorado Boulder*
2021–2022	**Phoebe Rudnick**	*Undergraduate, University of Colorado Boulder*
2020–2021	**Brianna Dickey**	*Undergraduate, University of Colorado Boulder*
2020	**Lindsay House**	*Postbaccalaureate, University of Colorado Boulder*
2018–2020	**Megan Walters**	*Undergraduate Honors Thesis, University of Colorado Boulder*
2017–2018	**Emily E. Hayden**	*Undergraduate & Postbaccalaureate, University of Colorado Boulder*
2014–2016	**Eric Aboud**	*Undergraduate, Michigan State University (NSCL)*
2014	**Xinyi Xu**	*Undergraduate, Michigan State University (NSCL)*
2013	**Helin Zhang**	*Undergraduate, Michigan State University (NSCL)*
2012–2013	**Marco Santia**	*Undergraduate, Michigan State University (NSCL)*
2012–2013	**James Quaglia**	*Undergraduate, Michigan State University (NSCL)*
2012–2013	**Safwan Shanab**	*Undergraduate, Michigan State University (NSCL)*

Creative Activity

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

Languages

English	*Fluent*
French	*Intermediate*

Selected Presentations

April 2025 **Regional Economic and Workforce Initiatives for AI and Quantum**, M.B. Bennett
Invited Panel Discussion, The Ecosystem for Research Networking Summit 2025.
Virtual Event

April 2025 **Collaborative Quantum Workforce Building in the International Year of Quantum**, M.B. Bennett
Invited Talk, Johns Hopkins University Science Diplomacy Summit 2025.
Washington, DC USA

March 2025 **Building an Ecosystem for Quantum Pathways**, M.B. Bennett
Invited Talk, Argonne National Lab Quantum Education Summit 2025.
Chicago, IL USA

March 2025 **What *IS* Quantum?**, M.B. Bennett
Invited Keynote Address, Argonne National Lab Quantum Education Summit 2025.
Chicago, IL USA

February 2025 **Pathways to Quantum – For Everyone**, M.B. Bennett
Invited Talk, International Year of Quantum Swiss Embassy Kickoff.
Washington DC, USA

Oct 2024 **Workforce Engagement Opportunities for the International Year of Quantum**, M.B. Bennett
Invited Talk, QED-C Annual Meeting 2024.
Seattle, WA USA

Apr 2024 **Quantum Internship Programs for Photonics and Beyond**, M.B. Bennett
Contributed Talk, Rocky Mountain Photonics Summit & Expo.
Westminster, CO USA

Feb 2024 **Educating the Next Generation of Quantum Revolutionaries**, M.B. Bennett
Invited Colloquium Talk, University of Massachusetts Amherst Department of Physics.
Amherst, MA USA

Sep 2023 **Fostering DEIA Culture and Environment in Industry**, M.B. Bennett
Invited Panel Discussion, IEEE Quantum Week 2023.
Seattle, WA USA

May 2023 **Quantum Workforce Panel Discussion**, M.B. Bennett, N.D. Finkelstein, S. Schwamberger
Invited Panel Discussion, Quantinuum H2 Press Gathering.
Broomfield, CO USA

Apr 2023 **The Quantum Forge A Partnership-Based Model for QISE Workforce Preparation**, M.B. Bennett
Contributed Talk, American Physical Society April Meeting 2023.
Minneapolis, MN USA

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 Ass 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}Cl β^+ Decay and the ^{30}P$(p,\gamma)^{31}$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.
Kölcsey 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] E. Barnes, **Bennett, M. B.**, A. Boltasseva, V. Borish, B. Brown, L. D Carr, R. R. Ceballos, F. Dukes, E. W. Easton, S. E. Economou, et al. Outcomes from a workshop on a national center for quantum education. *EPJ Quantum Technology*, 12(1):40, 2025.

[2] **M. B. Bennett**, J. É. Arrow, S. Novack, and N. D. Finkelstein. Investigating student participation in quantum workforce initiatives. *Phys. Rev. Phys Educ. Res. Focused Collection*, *(in review)*.

[3] T. K. Carroll, E. C. Nutwell, A. D. Christy, **M. B. Bennett**, and N. D. Finkelstein. Facilitator stem teacher identity development via online informal stem education during the COVID-19 era. *Career and Technical Education Research*, 48(1):42–65, 2023.

[4] **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.

[5] **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.

[6] 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.

[7] **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.

[8] 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 $^{20}\mathrm{Mg}(\beta p\gamma)^{19}\mathrm{Ne}$ decay. *Phys. Rev. C*, 99:065801, Jun 2019.

[9] 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}Ne$(p,\gamma)^{20}$Na breakout reaction in type I X-ray bursts. *Physics Letters B*, 778:397–402, 2018.

[10] 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 $^{32}\mathrm{Cl}(\beta\gamma)^{32}\mathrm{S}$. *Phys. Rev. C*, 98:024309, Aug 2018.

[11] **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 $^{31}\mathrm{Cl}(\beta\gamma)^{31}\mathrm{S}$. *Phys. Rev. C*, 97:065803, Jun 2018.

[12] 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.

[13] **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.

[14] C. Wrede, B. E. Glassman, D. Pérez-Loureiro, J. M. Allen, D. W. Bardayan, **M. B. Bennett**, B. A. Brown, K. A. Chipps, M. Febbraro, 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 $^{15}\mathbf{O}(\alpha,\gamma)^{19}\mathbf{Ne}$ resonance triggering CNO-cycle breakout. *Phys. Rev. C*, 96:032801, Sep 2017.

[15] 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 $^{26}\mathrm{P}$. *Phys. Rev. C*, 96:014306, Jul 2017.

[16] 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.

[17] **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.

[18] B. E. Glassman, D. Pérez-Loureiro, C. Wrede, J. Allen, D. W. Bardayan, **M. B. Bennett**, B. A. Brown, K. A. Chipps, M. Febbraro, 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.

[19] **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 $^{30}\mathrm{P}(p,\gamma)^{31}\mathrm{S}$ resonance influencing nova nucleosynthesis. *Phys. Rev. Lett.* ***(Editor's Suggestion)***, 116:102502, Mar 2016.

[20] 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.

[21] 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.

[22] **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}Al(p,γ)^{26}Si resonance. *Phys. Rev. Lett.*, 111:232503, Dec 2013.

[23] 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.

[24] 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.

[25] 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.

Commissioned Works

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