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Dr. Garth M. Huber

Correspondence language: English
Sex: Male

Contact Information

The primary information is denoted by (*)

Address

Mailing (*)

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Dr. Garth Huber

Language Skills

Language	Read	Write	Speak	Understand	Peer Review
English	Yes	Yes	Yes	Yes	Yes

Degrees

- 1988/2	Doctorate, Physics, The University of Regina
- 1984/5	Bachelor's Honours, Physics, The University of Regina
- 1984/5	Bachelor's, Mathematics, The University of Regina

User Profile

Research Specialization Keywords: Cherenkov Detector, Data Analysis Software, Deep Exclusive Meson Production, Electron Scattering, Experimental Methods, Hadronic Structure, Intermediate Energy Subatomic Physics, Non-perturbative QCD & Factorization, Pion Form Factor

Employment

2013/5	Executive Director Canadian Institute of Nuclear Physics
2009/9	Visiting Faculty Physics, Science / Seattle, University of Washington Part-time, Visiting Professorship Tenure Status: Non Tenure Track Visitor at National Institute for Nuclear Theory (INT)
2003/7	Professor Physics, Science, The University of Regina Full-time, Professor Tenure Status: Tenure
2003/1 - 2003/8	Visiting Professor Physics - Hall C, Thomas Jefferson National Accelerator Facility Full-time, Visiting Professorship Tenure Status: Non Tenure Track
1997/7 - 2003/6	Associate Professor Physics, Science, The University of Regina Full-time, Associate Professor Tenure Status: Tenure

1994/7 - 1997/6
Assistant Professor
Physics, Science, The University of Regina
Full-time, Assistant Professor
Tenure Status: Tenure Track

1990/2 - 1994/6
Research Scientist and Adjunct Assistant Professor
Physics, Science, The University of Regina
Full-time, Adjunct, Assistant Professor
Tenure Status: Non Tenure Track

1988/3 - 1990/1
Research Associate
Cyclotron Facility, Science / Bloomington, Indiana University
Full-time
Tenure Status: Non Tenure Track

Research Funding History

Awarded [n=6]

2016/4 - 2021/3
Principal Applicant

Studies of hadronic structure using electromagnetic probes, Grant

Funding Sources:

2016/4 - 2021/3 Natural Sciences and Engineering Research Council of Canada (NSERC)
Subatomic Physics - Individual
Total Funding - 525,000
Portion of Funding Received - 525,000
Funding Competitive?: Yes

2015/4 - 2020/3
Co-applicant

The Canadian Institute of Nuclear Physics (CINP), Grant

Funding Sources:

2015/4 - 2018/3 Natural Sciences and Engineering Research Council of Canada (NSERC)
Subatomic Physics Major Resources Support
Total Funding - 225,000
Portion of Funding Received - 30,000
Funding Competitive?: Yes

Co-applicant : Gerald Gwinner; Jean Barrette; Jeffery Martin; Jens Dilling; Rituparna Kanungo;

Principal Applicant : Paul Garrett

2016/4 - 2019/3
Co-applicant

CPP+, the MRS Application of the Centre for Particle Physics, Grant

Funding Sources:

2016/4 - 2019/3 Natural Sciences and Engineering Research Council of Canada (NSERC)
Subatomic Physics Major Resources Support
Total Funding - 960,000
Portion of Funding Received - 0
Funding Competitive?: Yes

2015/4 - 2018/3
Co-investigator

Investigations of Hadronic Structure using CB-TAPS at the Mainz Microtron, Grant

Funding Sources:

2015/4 - 2018/3 Natural Sciences and Engineering Research Council of Canada (NSERC)
Subatomic Physics Project Grant
Total Funding - 430,000
Portion of Funding Received - 101,374
Funding Competitive?: Yes

Co-investigator : Adam Sarty;

Principal Investigator : David Hornidge

2016/4 - 2018/3
Principal Investigator

SoLID Heavy Gas Cherenkov Detector Prototype, Grant

Funding Sources:

2016/8 - 2018/8 Sylvia Fedoruk Canadian Centre for Nuclear Innovation
Total Funding - 67,252
Portion of Funding Received - 58,480
Funding Competitive?: Yes

2016/4 - 2018/3 Canada Foundation for Innovation (CFI)
John R. Evans Leaders Fund (JELF)
Total Funding - 49,980
Portion of Funding Received - 49,980
Funding Competitive?: Yes

2011/4 - 2016/3
Principal Investigator

Studies of Hadron Structure using Electromagnetic Probes, Grant

Funding Sources:

2011/4 - 2016/3 Natural Sciences and Engineering Research Council of Canada (NSERC)
Subatomic Physics Individual Discovery Grant
Total Funding - 282,000
Portion of Funding Received - 282,000
Funding Competitive?: Yes

Completed [n=4]

2012/4 - 2015/3
Co-investigator

Investigating Hadron Structure with CB-TAPS at MAMI, Grant

Funding Sources:

2012/4 - 2015/3 Natural Sciences and Engineering Research Council of Canada (NSERC)
Subatomic Physics Project Grant
Total Funding - 330,000
Portion of Funding Received - 60,750
Funding Competitive?: Yes

Co-investigator : Adam Sarty;

Principal Investigator : David Hornidge

2013/12 - 2014/5
Co-applicant

Investigation of Portable, Low Cost, Radiation Detection Technology for use with Wireless Personal Radiation Detection Equipment, Grant

Funding Sources:

2013/12 - 2014/5 Natural Sciences and Engineering Research Council of Canada (NSERC)
Engage Grant
Total Funding - 25,000
Portion of Funding Received - 0
Funding Competitive?: Yes

Co-applicant : Lolos, GJ;

Co-investigator : Kaletsch, K;

Principal Investigator : Papandreou, Z

2009/4 - 2012/3
Co-investigator

Investigating Hadron Structure with CB-TAPS at MAMI, Grant

Funding Sources:

2009/4 - 2012/3 Natural Sciences and Engineering Research Council of Canada (NSERC)
Subatomic Physics Project Grant
Total Funding - 420,000
Portion of Funding Received - 49,000
Funding Competitive?: Yes

Co-investigator : Adam Sarty;

Principal Investigator : Hornidge, David

2010/4 - 2012/3
Principal Investigator

Heavy Gas Cerenkov detector for Jefferson Lab, Grant

Funding Sources:

2010/4 - 2012/3 Natural Sciences and Engineering Research Council of Canada (NSERC)
Subatomic Physics Research Tools & Instrumentation 1 (RTI-1)
Total Funding - 125,000
Portion of Funding Received - 125,000
Funding Competitive?: Yes

Co-applicant : Adam Sarty; David Hornidge

Student/Postdoctoral Supervision

Bachelor's [n=3]

2012/5 - 2012/8
Principal Supervisor

Fischer, Alex (Completed) , University of Regina
Thesis/Project Title: PMT gain tests for SHMS Heavy Gas Cerenkov detector
Present Position: Programmer - Quadrant Newmedia

2011/5 - 2011/8
Co-Supervisor

Croshaw, Jeremy (Completed) , University of Regina
Thesis/Project Title: Butanol Target Dilution Factors for pi^0 Photoproduction
Present Position: Physics M.Sc. student

2010/5 - 2011/8
Principal Supervisor

Sichello, Lee (Completed) , University of Regina
Thesis/Project Title: SHMS Heavy Gas Cherenkov Detector Design
Present Position: Programmer - iQmetrix

Bachelor's Honours [n=5]

2016/5 - 2016/8 Principal Supervisor	Matthew Strugari (In Progress) , University of Regina Student Degree Expected Date: 2017/5 Thesis/Project Title: Hardware and Software development for Nuclear Physics experiments at Jefferson Lab
2015/5 - 2015/8 Co-Supervisor	Avila, Ethan (Completed) , Acadia University Thesis/Project Title: Testing and rehabilitation of the HMS (High Momentum Spectrometer) focal plane detectors at JLab.
2014/5 - 2014/8 Co-Supervisor	Davis-Purcell, Benjamin (Completed) , McMaster University Thesis/Project Title: Hardware and software development for nuclear physics experiments at Jefferson Lab Hall C. Present Position: McMaster graduate student
2013/5 - 2013/8 Principal Supervisor	Fitz-Gerald, Thomas (Completed) , University of Regina Thesis/Project Title: Optical coupling tests for 5" Hamamatsu PMTs, mirror alignment and assembly of Heavy Gas Cherenkov detector for JLab. Present Position: Mathematics student
2010/5 - 2010/8 Co-Supervisor	Urichuk, Andrew (Completed) , University of Regina Thesis/Project Title: CH2 data analysis and background simulations Present Position: UofLethbridge graduate student

Master's Thesis [n=4]

2016/9 - 2018/8 Principal Supervisor	Rory Evans (In Progress) , University of Regina Student Degree Expected Date: 2018/8 Thesis/Project Title: Studies of exclusive π^- production from a polarized ^{3}He target with the SoLID spectrometer
2016/9 - 2018/8 Principal Supervisor	Ryan Ambrose (In Progress) , University of Regina Student Degree Expected Date: 2018/8 Thesis/Project Title: Studies of the $p(e,e'K^+)$ reaction with the SHMS at Jefferson Lab
2015/9 - 2017/8 Principal Supervisor	Basnet, Samip (In Progress) , University of Regina Thesis/Project Title: JLab Hall C detector commissioning and Exclusive Kaon and Pion Electroproduction.
2010/9 - 2012/12 Principal Supervisor	Li, Wenliang (Bill) (Completed) , University of Regina Thesis/Project Title: SHMS Heavy Gas Cerenkov Simulations and Testing Present Position: UofR Ph.D. student

Doctorate [n=2]

2013/1 - 2017/8 Principal Supervisor	Li, Wenliang (Bill) (In Progress) , University of Regina Student Degree Expected Date: 2017/8 Thesis/Project Title: Deep Exclusive Omega Electroproduction and detector development for JLab Hall C. Present Position: UofR Ph.D. student
2012/8 - 2017/8 Co-Supervisor	Paudyal, Dilli (In Progress) , University of Regina Student Degree Expected Date: 2017/8 Thesis/Project Title: Proton Polarizabilities Experiment at the Mainz Microtron Present Position: UofR Ph.D. student

Research Associate [n=3]

2013/10 - 2015/9 Co-Supervisor	Martel, Philippe (In Progress) , Mt. Allison University Thesis/Project Title: Proton Spin Polarizabilities experiments at MAMI
2013/7 - 2018/6 Principal Supervisor	Ahmed, Zafar (In Progress) , University of Regina Thesis/Project Title: JLab Hall C data reconstruction. Proton spin polarizabilities experiment at MAMI. Commissioning of SHMS+HMS with beam at JLab.
2009/10 - 2014/3 Co-Supervisor	Middleton, Duncan (Completed) , Mt. Allison University Thesis/Project Title: Proton Polarizabilities Experiment at the Mainz Microtron Present Position: Medical Physicist - UK National Health System

Event Administration

2016/1 - 2016/7	Organizer, Jefferson Lab User's Group Annual Workshop, Workshop, 2016/7 - 2016/7
2015/1 - 2015/6	Organizer, Jefferson Lab User's Group Annual Workshop, Workshop, 2015/6 - 2015/6
2014/9 - 2015/5	Member, International Advisory Board, Conference on the Intersections of Particle and Nuclear Physics, Conference, 2015/5 - 2015/5
2011/3 - 2011/8	Organizer, Jefferson Lab Hall C User’s Summer Workshop, Workshop, 2011/8 - 2011/8
2009/9 - 2011/3	Hadronic Physics Convenor and Program Committee Member, International Nuclear Physics Conference, Conference, 2010/7 - 2010/7
2010/3 - 2010/8	Organizer, Jefferson Lab Hall C User’s Summer Workshop, Workshop, 2010/8 - 2010/8

Editorial Activities

2015/11 - 2018/10	Subject Editor for Nuclear Physics, FACETS, Journal
2016/3 - 2016/10	Referee, Physics International, Journal
2014/7 - 2016/7	Regional Editor, Physics International, Journal
2015/2 - 2015/3	Referee, Physics International, Journal
2011/2 - 2011/4	Referee, Journal of Physics: Conference Series, Journal
2010/2 - 2010/2	Referee, Chinese Physics letters, Journal
2010/2 - 2010/2	Referee, Physics in Canada, Newsletter

Expert Witness Activities

2016/7 - 2016/9	Evidence review, RCMP Homicide Investigation Report, Canada, Regina We were asked by the RCMP Forensic Identification Section (FIS) to provide a physics-based review of certain information in a homicide case, in the form of a 4 page written report.

Organizational Review Activities

2016/4 - 2016/4	Proposal Review, U.S. Department of Energy Office of Science Grant Proposal Review #xxxx18

2016/4 - 2016/4	Proposal Review, U.S. National Science Foundation PHY - Nuclear & Hadron Quantum Chromodynamics Mid-Scale Proposal Review
2016/4 - 2016/4	Proposal Review, U.S. Department of Energy Office of Science, Grant Proposal Review #xxxx29
2016/2 - 2016/2	Proposal Review, U.S. National Science Foundation PHY - Nuclear & Hadron Quantum Chromodynamics Individual Proposal Review
2015/9 - 2015/10	Referee, University of Winnipeg External referee for granting of tenure and promotion to Associate Professor
2015/1 - 2015/1	Proposal Review, National Science Foundation Grant Proposal Reviewer (PHY - Hadrons and Light Nuclei)
2013/12 - 2013/12	Referee, Natural Sciences and Engineering Research Council of Canada (NSERC) Subatomic Physics Individual Discovery Grant Reviewer
2013/1 - 2013/1	Referee, National Science Foundation Grant Proposal Reviewer (PHY - Nuclear Structure & Reactions)
2012/12 - 2012/12	Referee, The University of Manitoba Research Evaluation for Promotion to Full Professor
2012/8 - 2012/8	Referee, University of Winnipeg Research Evaluation for Promotion to Full Professor
2011/10 - 2011/10	Referee, Natural Sciences and Engineering Research Council of Canada (NSERC) E.W.R. Steacie Memorial Fellowship Program
2011/6 - 2011/7	External Examiner, The University of Manitoba External examiner: P. Wang, Ph.D., "A Measurement of the Proton's Weak Charge using an Integration Cerenkov Detector System"
2011/4 - 2011/5	External Examiner, University of Alberta External Examiner: S. Habib Ph.D., "Combined Three Phase Data Analysis of Sudbury Neutrino Observatory using Markov Chain Monte Carlo Technique"
2010/4 - 2010/4	Referee, Canada Foundation for Innovation Grant Proposal Reviewer (Leaders Opportunity Fund)
2010/1 - 2010/1	Referee, National Science Foundation Grant Proposal Reviewer (PHY - Hadrons and Light Nuclei)

International Collaboration Activities

2015/12	Collaboration MemberUnited States Member of the Electron-Ion Collider User's Group (EICUG), http://www.eicug.org. Lead contact for Canadian members of the EICUG, and Institutional Representative for the University of Regina on the EICUG Institutional Board.
2015/10	Collaboration Member, United States Solenoidal Large Intensity Detector (SoLID) Collaboration member, GPD working group, Heavy Gas Cherenkov working group.
2009/4	Collaboration Member, Germany Member of the A2 Collaboration, at the Institute for Nuclear Physics, Mainz, Germany. This is the scientific collaboration that maintains and performs experiments at the Crystal Ball + TAPS facility. I have supervised several undergraduate and one graduate students on research at this facility, as well as contributed to the co-supervision of several Postdoctoral Research Associates. Within this collaboration, I am an active member of the Compton working group.

2001/1	Collaboration Member, United States Hall D (GlueX) Collaboration, Thomas Jefferson National Accelerator Facility. As part of this collaboration, I have contributed to the design of the Barrel Calorimeter by preparing reports on the Barrel Calorimeter readout and performing simulation studies of the invariant mass resolution for neutral particle reconstruction. I have also contributed as a sub-committee member of the collaboration.
1994/7	Collaboration Member, United States Hall C User's Group, Thomas Jefferson National Accelerator Facility. This is the umbrella organization representing the user's of the Hall C facility at JLab. As one of these users, I have made substantial contributions to the Hall C scientific program: co-spokesperson of several experiments, analysis software and calibration of the HMS Aerogel Cherenkov detector, construction of Heavy Gas Cherenkov detector for the Super HMS. I have also supervised numerous undergraduate and graduate students on Hall C projects, as well as two postdoctoral fellows stationed there.
1990/4	Collaboration Member, United States Hall A Collaboration, Thomas Jefferson National Accelerator Facility. As part of my duties with the Hall A collaboration, I have helped construct one Aerogel Cherenkov detector, and a series of scintillator hodoscopes. I have participated in many data taking runs, and have supervised three M.Sc. students on topics related to this work.
1990/4	Member, United States I have been a member of the Jefferson Lab User's Group for many years and have contributed extensively to its scientific program. In 2014, I was elected to a 2-year term on the User's Group Board of Directors (UGBOD).

Committee Memberships

2015/6 - 2016/9	Ex-Officio, Subatomic Physics Long Range Planning Committee (SAP-LRPC), Natural Sciences and Engineering Research Council of Canada (NSERC) As CINP Executive Director, I was a resource person to the LRPC as they developed an overall plan for subatomic physics research in Canada for the years 2017-21, with a view through to 2026.
2014/6 - 2016/6	Committee Member, Jefferson Lab User's Group Board of Directors, Jefferson Lab User's Group This is an elected position. We represent User concerns to Jefferson Lab management and the US Department of Energy, and also organize an annual User's Group Workshop.
2015/4 - 2015/10	Chair, CINP Brief Writing Committee, Canadian Institute of Nuclear Physics This committee is charged by NSERC to gather input from the Canadian nuclear physics research community and develop a "Brief" for input to the NSERC Subatomic Phyics Long Range Plan for the years 2016-21. As Chair, I was lead editor on the document.
2010/6 - 2013/4	Committee Member, Board of Directors, Canadian Institute of Nuclear Physics (CINP)
2010/3 - 2012/1	Committee Member, Subatomic Physics Long Range Planning Committee (SAP-LRPC), Natural Sciences and Engineering Research Council of Canada (NSERC) This committee is charged by NSERC to develop an overall plan for subatomic physics research in Canada for the years 2011-16, but touching also on 2016-21. This document is used to guide the funding of, and allocation of funds by, the Subatomic Physics Evaluation Section.
2006/8 - 2011/8	Chair, Hall C User’s Group, Thomas Jefferson National Accelerator Facility This is an elected position. In addition to my Board membership for 5 years, I also served as Chair in 2007, 2010, 2011.

2007/7 - 2010/6 Committee Member, Subatomic Physics Evaluation Section (SPES, formerly GSC-19), Natural Sciences and Engineering Research Council of Canada (NSERC)
This committee makes funding recommendations for all NSERC subatomic physics research grants in Canada.

Presentations

1. (2016). Deep Exclusive p(e,e'pi+)n Studies at Jefferson Lab. Argonne National Laboratory Physics Division Seminar. This presentation was also given as a Special Seminar at the University of Basel Physics Department (Basel, Switzerland)., Argonne, IL, United States
   Main Audience: Researcher
   Invited?: Yes, Keynote?: No
2. (2016). Deep Exclusive pi- Production using a Transversely Polarized 3He Target and the SoLID Spectrometer. APS Division of Nuclear Physics Meeting, Vancouver, BC, Canada
   Main Audience: Researcher
   Invited?: No, Keynote?: No
3. (2016). Exploring the Electromagnetic Structure of the Charged Pion and Kaon. Canadian Association of Physicists Annual Congress, Ottawa, ON, Canada
   Main Audience: Researcher
   Invited?: No, Keynote?: No
4. (2015). The Reliable Determination of F_pi Beyond Q^2=6 GeV^2. APS Division of Nuclear Physics Meeting, Santa Fe, NM, United States
   Main Audience: Researcher
   Invited?: No, Keynote?: No
5. A2 Collaboration. (2015). The Nucleon Polarizability Program at MAMI A2. Conference on the Intersections of Particle and Nuclear Physics (CIPANP), Vail, CO, United States
   Main Audience: Researcher
   Invited?: Yes, Keynote?: No
6. (2015). Deep Exclusive Meson Production: Studies of Underlying Quark-Gluon Structure at Jefferson Lab's Hall C. TRIUMF Colloquium Oct 6; Prairie Universities Physics Seminar Series: University of Saskatchewan Jan 6, University of Lethbridge Feb 26, University of Calgary Feb 27., Vancouver, Canada
   Main Audience: Knowledge User
   Invited?: Yes, Keynote?: No
7. (2015). Backward Angle Vector Meson Production. Workshop on Exclusive Meson Production and Short-Range Hadron Structure, Newport News, VA, United States
   Main Audience: Researcher
   Invited?: Yes, Keynote?: No
8. (2014). Separated pi-/pi+ Ratios from the Pion Form Factor Experiments. Jefferson Lab User's Group Meeting, Newport News, United States
   Main Audience: Researcher
   Invited?: Yes, Keynote?: No
9. (2014). New Results from Jefferson Lab on Exclusive, Forward pi+/- Electroproduction from Deuterium. A2 Collaboration, Mainz, Germany
   Main Audience: Researcher
   Invited?: Yes, Keynote?: No

10. (2013). Deep Exclusive Meson Production at Jefferson Lab Hall C. Canadian Association of Physicists Congress, Montreal, Canada
    Main Audience: Researcher
    Invited?: Yes, Keynote?: No

11. Wenliang Li. (2013). Heavy Gas Cherenkov Detector Construction for Hall C JLab 12 GeV Upgrade. Meeting of the American Physical Society Division of Nuclear Physics, Newport News, United States
    Main Audience: Researcher
    Invited?: No, Keynote?: No

12. (2013). Separated Response Functions in Exclusive, Forward pi+/- Electroproduction on 2H. Meeting of the American Physical Society, Division of Nuclear Physics, Newport News, United States
    Main Audience: Researcher
    Invited?: No, Keynote?: No

13. (2013). pi-/pi+ Exclusive Pion Electroproduction Results from Jefferson Lab. American Physical Society April Meeting, Denver, CO, United States
    Main Audience: Researcher
    Invited?: No, Keynote?: No

14. (2012). pi-/pi+ Separated Response Function Ratios in Forward, Exclusive Pion Electroproduction. Canadian Association of Physicists Congress, Calgary, AB, Canada
    Main Audience: Researcher
    Invited?: No, Keynote?: No

15. (2012). The Longitudinal Photon, Transverse Nucleon, Single-Spin Asymmetry in Exclusive Pion Production. PAC 39 - Thomas Jefferson National Accelerator Facility, Newport News, United States
    Main Audience: Decision Maker
    Invited?: No, Keynote?: No

16. Ed Brash, Ron Ransome, Steffen Strauch. (2011). Proton Recoil Polarization in the 4He(e,e'p)3H, 2H(e,e'p)n, and 1H(e,e'p) Reactions. PAC37 - Thomas Jefferson National Accelerator Facility, Newport News, United States
    Main Audience: Decision Maker
    Invited?: No, Keynote?: No

17. (2011). Deep Exclusive Scattering: Status and Outlook. University of Alberta Particle Physics Seminar, Edmonton, AB, Canada
    Main Audience: Researcher
    Invited?: Yes, Keynote?: No

18. (2010). Pion Form Factor: Status and Outlook. International Workshop on Exclusive Reactions at High Momentum Transfer, Newport News, United States
    Main Audience: Researcher
    Invited?: Yes, Keynote?: No

19. Dave Gaskell. (2010). Measurement of the Charged Pion Form factor at an Electron-Ion Collider. Electron-Ion Collider Workshop on Electron-Nucleon Exclusive Reactions, Piscataway, NJ, United States
    Main Audience: Knowledge User
    Invited?: No, Keynote?: No

Publications

Journal Articles

1. Kaeser A, ..., Middleton DG*, ...(2016). Photoproduction of $\pi\eta$ pairs off nucleons and deuterons. European Physical Journal A. 52: 252 1-17.
   Published
   Refereed?: Yes
2. Gardner S, ..., Martel PP*, ..., Middleton DG*, ..., Paudyal D*, ...(2016). Photon asymmetry measurements of $\vec{\gamma}p->\pi^0p$ or $E\gamma=320\text{-}650$ MeV. European Physical Journal A.
   Submitted
   Refereed?: Yes
3. Al Ghoul H, ...(2016). Measurement of the beam asymmetry Σ for π^0 and η photoproduction on the proton at $E\gamma=9$ GeV. Physical Review Letters.
   Submitted
   Refereed?: Yes
4. Adlarson P, ..., Ahmed Z*, ..., Martel PP*, ..., Paudyal D*, ...(2016). Measurement of the $\pi^0->e^+e^-\gamma$ Dalitz decay at MAMI. Physical Review C.
   Submitted
   Refereed?: Yes
5. Sokhoyan V, ..., Martel PP*, ..., Middleton DG*, ..., *Paudyal D, ...(2016). Determination of the scalar polarizabilities of the proton using beam asymmetry Σ_3 in Compton scattering. European Physical Journal A.
   Submitted
   Refereed?: Yes
6. Adlarson P, ..., Ahmed Z*, ..., Martel PP*, ..., Paudyal D*, ...(2016). Measurement of the $\omega->\pi^0e^+e^-$ and $\eta->e^+e^-\gamma$ Dalitz decays with the A2 setup at MAMI. Physical Review C.
   Submitted
   Refereed?: Yes
7. Annand JRM, ..., Middleton DG*, ...(2016). T and F asymmetries in π^0 photoproduction on the proton. Physical Review C. 93: 055209 1-10.
   Published
   Refereed?: Yes
8. Tvaskis V, ..., Xu C*, ...(2016). Measurements of the Separated Longitudinal Structure Function F_L from Hydrogen and Deuterium Targets at Low Q^2. Physical Review C.
   Revision Requested
   Refereed?: Yes
9. Witthauer L, ..., Ahmed Z*, ..., Martel, PP*, ..., Paudyal D*, ...(2016). Insight into the narrow structure in η photoproduction on the neutron from helicity-dependent cross sections. Physical Review Letters. 117: 132502 1-5.
   Published
   Refereed?: Yes
10. Huber, GM. (2015). The Proton Radius Puzzle (Editorial). Physics International. 6(1): 1-2.
    Published
    Refereed?: Yes, Open Access?: Yes
11. Fanelli C, ..., Butuceanu C*, ...(2015). Polarization Transfer in Wide-Angle Compton Scattering and Single-Pion Photoproduction from the Proton. Physical Review Letters. 115: 152001 1-6.
    Published
    Refereed?: Yes

12. Kaeser A, ..., Middleton DG*, ...(2015). The isospin structure of photoproduction of $\pi\eta$ pairs from the nucleon in the threshold region. Physics Letters B. 748: 244-250.
Published
Refereed?: Yes

13. Huber GM, Blok HP, Butuceanu C*, ..., Kovaltchouk V*, ..., van der Meer RLJ*, ..., Vidakovic S*, ...(2015). Separated response functions in exclusive, forward $\pi^{+}/^{-}$ electroproduction on deuterium. Physical Review C. 91: 015202 1-23.
Published
Refereed?: Yes

14. Dieterle M, ..., Middleton DG*, ...(2015). Photoproduction of π^{0}-pairs off protons and off neutrons. European Physical Journal A. 51: 142 1-18.
Published
Refereed?: Yes

15. Adlarson P, ..., Middleton DG*, ..., Paudyal D*, ...(2015). Measurement of π^{0} photoproduction on the proton at MAMI-C. Physical Review C. 92: 024617 1-12.
Published
Refereed?: Yes

16. Martemianov M, ..., Middleton DG*, ...(2015). A new measurement of the neutron detection efficiency for the NaI Crystal Ball detector. Journal of Instrumentation (Institute of Physics). 10: T04001 1-11.
Published
Refereed?: Yes

17. Annand JRM, ..., Middleton DG*, ...(2015). First measurement of target and beam-target asymmetries in the $\gamma p\rightarrow \pi^{0}\eta p$ reaction. Physical Review C. 91: 055208 1-9.
Published
Refereed?: Yes

18. Martel PP, ..., Middleton DG*, ...(2015). Measurements of Double-Polarized Compton Scattering Asymmetries and Extraction of the Proton Spin Polarizabilities. Physical Review Letters. 114: 112501 1-5.
Published
Refereed?: Yes

19. Schumann S, ..., Middleton DG*, ...(2015). Threshold π^{0} Photoproduction on Transversely Polarized Protons at MAMI. Physics Letters B. 750: 252-258.
Published
Refereed?: Yes

20. Akondi CS, ..., Middleton DG*, ...,. (2014). Measurement of the transverse target and beam-target asymmetries in η meson photoproduction at MAMI. Physical Review Letters. 113: 102001 1-5.
Published
Refereed?: Yes

21. Li W*, Huber GM. (2014). Optical characterization of RTV615 silicone rubber compound. Journal of Instrumentation (Institute of Physics). 9: P07012 1-12.
Published
Refereed?: Yes, Open Access?: Yes

22. Werthmueller D, ..., Middleton DG*, et al. (2014). Quasifree photoproduction of η mesons off protons and neutrons. Physical Review C. 90: 015205.
Published
Refereed?: Yes

23. Huber GM, Blok HP, Butuceanu C*, ..., van der Meer RLJ*, ..., Vidakovic S*, ..., Xu C*, ..., (The Jefferson Lab F_pi Collaboration). (2014). Separated response function ratios in exclusive forward $\pi^{+}/^{-}$ electroproduction. Physical Review Letters. 112: 182501 1-6.
Published
Refereed?: Yes

24. Dieterle M, ..., Middleton DG*, et al. (2014). Photoproduction of π^{0}-mesons off neutrons in the nucleon resonance region. Physical Review Letters. 112: 142001 1-6.
Published
Refereed?: Yes

25. Oberle M, ..., Middleton DG*, ...,. (2014). Measurement of the beam-helicity asymmetry I^{0} in the photoproduction of $\pi^{0}\pi^{+}/^{-}$ pairs off protons and neutrons. European Physical Journal A. 50: 54 1-19.
Published
Refereed?: Yes

26. Costanza S, ..., Middleton D*, et al. (2014). Helicity dependence of the $\gamma^{3}\mathrm{He}$ \rightarrow $\pi\mathrm{X}$ reactions in the $\Delta(1232)$ resonance region. European Physical Journal A. 50: 173 1-13.
Published
Refereed?: Yes

27. Tvaskis V, ..., Vidakovic S*, ..., Xu C*, et al. (2014). Measurements of the Separated Longitudinal Structure Function F_L from Hydrogen and Deuterium Targets at Low Q². Physical Review C.
Submitted
Refereed?: Yes

28. Werthmueller D, ..., Middleton DG*, ...,. (2013). Narrow structure in the excitation function of η photoproduction off the neutron. Physical Review Letters. 111: 232001 1-5.
Published
Refereed?: Yes

29. Li W*, Huber GM, Wolbaum K. (2013). Hamamatsu R1584 PMT Modifications. arXiv [physics.ins-det]. : 1311.6761.
Published
Refereed?: No, Open Access?: Yes

30. Witthauer L, ..., Middleton DG*, ...,. (2013). Quasi-free photoproduction of η-mesons off ^{3}He nuclei. European Physical Journal A. 49: 154 1-18.
Published
Refereed?: Yes

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