

WENLIANG "BILL" LI

w1584@msstate.edu | [linkedin.com/in/bill8a](https://www.linkedin.com/in/bill8a) | github.com/billlee

RESEARCH CAREER

Department of Physics and Astronomy, Mississippi State University [Current] <i>Assistant Professor</i>	Starkville, MS, US 2024 – Present
Center for Frontiers in Nuclear Science, Stonybrook University <i>Post-doctoral Associate, Nuclear and Particle Physics</i>	Stony Brook, NY, US 2021 – 2024
Department of Physics, Stonybrook University <i>Post-doctoral Researcher, Nuclear and Particle Physics</i>	Stony Brook, NY, US 2021 – Present
College of William and Mary <i>Post-doctoral Researcher, Nuclear and Particle Physics</i>	Williamsburg, VA, US 2017 – 2021

EDUCATION

University of Regina <i>Ph.D. in Science, Physics</i>	Regina, CANADA 2013 – 2017
University of Regina <i>M.S. in Science, Physics</i>	Regina, CANADA 2010 – 2012
University of Kent at Canterbury <i>B.S. in Science, Physics</i>	Canterbury, U.K. 2006 – 2010

AWARDS

2024 SBU CFNS Seed Grant In developing the BeAGLE Generator for Future EIC	[\$32k]
2024 SBU CFNS Scientific Outreach Award	[\$5k]
2024 EIC pFRICH PED Grant for Mirror Coating	[\$47k]
2023 EIC pFRICH PED Grant for Vessel Construction	[\$27k]
2023 EIC Generic Research and Development Fund for Mini-DIRC	[\$59k]
2023 EIC Generic Research and Development Fund for Sinterator-based tracker	[\$39k]
2023 Jefferson Science Association Research Initiative Fund	[\$13k]
2022 Jefferson Science Association Research Initiative Fund	[\$15k]
2021 Jefferson Science Association Research Initiative Fund	[\$13k]
2020 Jefferson Lab Electron-Ion-Collider Post-doctoral Research Fellowship	[\$50k]
2020 Jefferson Science Association Post-doctoral Award	[\$10k]
2020 Jefferson Science Association Research Initiative Fund	[\$10k]
2019 Jefferson Science Association Young Scientist Award	
2015 University of Regina Graduate Research Grant:	

EXPERIENCE

Post-doctoral Associate <i>Center for Frontiers in Nuclear Science (CFNS), Stonybrook University</i> Post-doctoral researcher in the group of Prof. Abhay Deshpande.	2021 – 2024 Stony Brook, NY
Post-doctoral Researcher <i>Jefferson Lab Electron Ion Collider (EIC²) Center</i> 2020 postdoctoral research fellowship at JLab - EIC Center in Parallel with W&M.	2020 – 2021 Newport News, VA
Post-doctoral Researcher <i>College of William and Mary</i> Post-doctoral researcher in the group of Prof. Justin Stevens.	2017 – 2021 Williamsburg, VA
Doctorate Student Candidate Teaching Assistant & Lab Instructor <i>University of Regina</i>	2013 – 2017 Regina, CANADA

Doctoral researcher under the supervision of Dr. Garth Huber.
Teaching Assistant for the First and Second year Physics Classes - all 5 years.
Laboratory Instructor for the First and Second year Physics Laboratories - all 5 years.

Master Student
University of Regina

2010 – 2012
Regina, CANADA

Master student in science under the supervision of Dr. Garth Huber.

DAAD Science Intern
Karlsruhe Institute of Technology

Jun. 2009 – Sept. 2009
Karlsruhe, GERMANY

DAAD Science Intern under the supervision of Dr. Steffan Mueller
Developed an algorithm to identify miss-cabled PMTs for the Pierre Auger Cosmic Ray Observatory.

Experimental Physics Exchange Student
Pennsylvania State University

Aug. 2008 – May. 2009
State College, PA

Carried out a year abroad studies in the context of bachelor' studies at the University of Kent.

Bachelor of Science Student
University of Kent

Oct. 2006 – May. 2010
Canterbury, U.K.

DAAD Science Intern under the supervision of Dr. Jingpi Miao.
Received 4 Year Physics and Astrophysics with a year studying abroad Hon MPhys Degree.

ADVISING AND MENTORING

Graduate Students:

M.Sc. Andrew Hurley - College of W&M: 2017 Graduate Research: *Assembly of the Detection of Internally Reflected Cherenkov light detector for the GlueX experiment.*

M.Sc. Ryan Ambrose - UofR: 2015 Graduate Research: *Commissioning of the Hall C SHMS Heavy Gas Cherenkov Detector.*

M.Sc. Samip Basnet - UofR: 2014 Graduate Research: *Deep Exclusive Pseudoscalar Meson production at Jefferson lab Hall C.*

M.Sc. Ishan Goel - Stony Brook University: *Deep Electroproduction Meson Production Generator for the Electron-Ion Collider.*

Undergraduate Research Advises:

B.Sc. Michael P. Hlandun - University of Regina: *Simulations of deep exclusive meson production at Jefferson lab Hall C*

B.Sc. Alex Fisher - University of Regina: *Calibration and modification of Hamamatsu R1584 PMTs)*

B.Sc. Thomas Fitz-Gerald - University of Regina: *Assembly of the Heavy Gas Cherenkov Detector for JLab Hall C.*

Ruthie Gu - Yale University - *Anti-Solonoid Design for the Electron Ion Collider*

Jose Esparza - Columbia University - *pFRICH Prototype for the EIC Particle Identification System*

Preet Mann - Stony Brook University - *Mirror coating using the Evaporator Facility at CFNS*

High School Student Academic Advises:

Sophia Cadolino - Ward Melville High School - *Mirror coating using the Evaporator Facility at CFNS*

COMMUNITY OUTREACH & COLLABORATION

May 2023 **LOI12-23-009 Nuclear Color Transparency via u-Channel Electroproduction Observables**
Jefferson Lab

Oct. 2023 – Present **Software Liaison for EIC Detector II Working Group**
EICUG Detector II Working Group

May. 2022 – Jun. 2023 **Simulation and Production Working Group Convener**
EIC-ePIC Collaboration

Jun. 2022 – Jul. 2022 **2022 EIC-UG Early Career Workshop Coordination Committee Member**
EIC Collaboration

Oct. 2021 – Mar. 2023 **2022 EIC User Group Meeting Local Organizing Committee Member**
EIC Collaboration

Oct. 2021 – Mar. 2022 **2022 CFNS Seminar Series Coordination Committee Member**
Center for Frontiers in Nuclear Science, Stonybrook University

Jul. 2021 – Jul. 2023

EIC Early Career Coordination Committee Member
EIC² Center at Jefferson Lab

Sep. 2021

2021 First Backward Angle (u-Channel) Physics Workshop Co-host and Organizer
Jefferson Lab

Aug. 2020

PR12-20-007 EXPERIMENT Proposal: u-Channel Exclusive π^0 electroproduction - Approved
Program Advisory Committee PAC 48 - Jefferson Lab Hall C

Jun. 2018

LOI12-18-005 LOI Proposal: Accessing DEMP & DVCS at Backward Angles
Program Advisory Committee PAC 46 - Jefferson Lab Hall C

MEDIA PUBLICITY

2020 Postdoc Pushes Backward Physics to Fore by *Chris Patrick*

<https://www.jlab.org/news/releases/postdoc-pushes-backward-physics-fore>

<https://www.wm.edu/news/stories/2020/physics-postdoc-wins-jlab-prize-to-further-backwards-research.php>

2020 EIC Center at Jefferson Lab Announces Six New Research Awards by *Kandice Carter*

<https://www.jlab.org/news/releases/eic-center-jefferson-lab-announces-six-new-research-awards>

PUBLICATIONS

Full list of publications: <https://inspirehep.net/authors/1818806>

† Indicates equal contributions below

Refereed Publications & Preprints

- 2023 C. Cotton, et. al, *High precision measurements of alpha s at the EIC using the ECCE detecto*, to be published.
Contribution: Contributed to the simulation studies.
- 2023 H. Liu, et. al, *Probing axion-like particles at the Electron-Ion Collider*, arXiv:2310.08827. Contribution:
Contributed to the simulation studies.
- 2023 A. Bylinkin, et. al, *Detector Requirements and Simulation Results for the EIC Exclusive, Diffractive and tagging physics program using the ECCE detector concept*, arXiv:2208.14575.
Contribution: One of the leading authors, Wrote code, analysis software and wrote text.
- 2023 VD Burket, et. al, *Precision Studies of QCD in the Low Energy Domain of the EIC*, Progress in Particle and Nuclear Physics, Pgs 104032. †
- 2023 JC Bernauer, CT Dean., et. al, *Scientific Computing Plan for the ECCE Detector at the Electron Ion Collider*, Nucl. Inst. and Methods Sec. A. Vol 1047.
Contribution: One of the leading authors, Wrote code and analysis software and wrote text.
- 2023 Fanelli, C., et. al, *AI-Assisted optimization of the ECCE Tracking System at the Electron Ion Collider*, Nuclear Instr. and Methods in Physics Section A Vol 1047. †
- 2023 Fanelli, C., et. al, *Design of Detectors at the Electron Ion Collider with Artificial Intelligence*, Journal of Instrumentation 17.08: E08003. †
- 2022 R. Li, N. Sparveris, et. al, *Measured Proton Electromagnetic Structure Deviates from Theoretical Predictions*, Nature 1476-4687. †
- 2022 J. Benesch, et. al, *Jefferson Lab Hall C: Precision Physics at the Luminosity Frontier*, [nucl-ex] arXiv:2209.11838. †
- 2022 A. Bylinkin, et. al, *Detector Requirements and Simulation Results for the EIC Exclusive, Diffractive and Tagging Physics Program using the ECCE Detector Concept*, [physics.ins-det] arXiv:2208.14575.
Contribution: One of the leading authors, Wrote code and analysis software and wrote text.
- 2022 ATHENA Collaboration, *ATHENA Detector Proposal – A Totally Hermetic Electron Nucleus Apparatus proposed for IP6 at the Electron-Ion Collider*, [phys.ins-det] arXiv:2210.09048. †
- 2022 J. K. Adkins, et. al, *Design of the ECCE Detector for the Electron Ion Collider*, [phys.ins-det] arXiv:2209.02580.
Contribution: One of the leading authors, Wrote code and analysis software and wrote text.
- 2022 X. Li, et. al, *Open Heavy Flavor Studies for the ECCE Detector at the Electron Ion Collider*, [phys.ins-det] arXiv:2207.10632. †
- 2022 G.M. Huber, W.B. Li, B. Pire, W. Cosyn, *u-Channel Color Transparency*. [hep-ph] arXiv:2202.04470.
Contribution: Assisted in computations, Wrote part of tex, assisted in other analysis.

- 2022 J. C. Benauer, et. al, *Scientific Computing Plan for the ECCE Detector at the Electron-Ion Collider*, [physics.ins-det] arXiv preprint:2205.08607v1.
Contribution: One of the leading authors, wrote code and analysis software and wrote text.
- 2022 R. Abdul Khalek, et. al, *Science Requirements and Detector Concepts for the Electron-Ion Collider: EIC Yellow Report*, Nucl. Phys. A, 1026, 122447.
Contribution: Performed analysis, made model comparison plots and collaborated on article writing.
- 2022 R. Alarcon, et. al, *CORE - A Compact Detector for the EIC*, [physics.ins-det] arXiv:2209.00496.
Contribution: Worked in code design, contributed to package code and wrote part of text.
- 2022 F. Bock, et. al, *Design and Simulated Performance of Calorimetry Systems for the ECCE Detector at the Electron-Ion Collider*, [physics.ins-det] arXiv preprint:2207.09437.
Contribution: One of the leading authors, contributed with simulation plots and text.
- 2022 A. Ali, et. al, *Initial performance of the GlueX DIRC detector*, [physics.ins-det] arXiv:2205.11382.
Contribution: One of the leading authors, Design, Build and Test the GlueX DIRC detector.
- 2022 C. Fanelli, et. al, *AI-assisted Optimization of the ECCE Tracking System at the Electron-Ion Collider*, [physics.ins-det] arXiv:2205.09185.[†]
- 2022 D. Abrams, et. al, *Measurement of the Nucleon F_2^n/F_2^p Structure Function Ratio by the Jefferson Lab MARATHON Tritium/Helium-3 Deep Inelastic Scattering*, Phys. Rev. Lett. 128(13), 132003.[†]
- 2022 S. Adhikari, C.S. Akondi, et. al, *Search for photoproduction of axionlike particles at GlueX*, Phys. Rev. D. 105(5), 052007.[†]
- 2022 M.E. Christy, et. al, *Form Factors and Two-photon Exchange in High-energy Elastic Electron-proton Scattering Experiment*, Phys. Rev. Lett. 128(10), 102002.[†]
- 2022 S. Adhikari, C.S. Akondi, et. al, *Measurement of Spin Density Matrix Elements in $\Lambda(1520)$ Photoproduction at 8.2-8.8 GeV.*, Phys. Rev. C. 105(3), 035201.[†]
- 2021 M. Diamini et. al, *Deep Exclusive Electroproduction of π^0 at High Q^2 in the Quark Valence Regime*, Phys. Rev. Lett. 127(15), 152301.
Contribution: One of the leading authors, Design, Build and Test the GlueX DIRC detector.
- 2021 J. Benesch, A. Camsonne, et. al, *Measurement of the Asymmetry $A_d^{e^+e^-}$ between $e^+ -^2H$ and $e^- -^2H$ Deep Inelastic Scattering using SoLID and PEPPo at JLab*, JLab. PAC-49 Proposal.
Contribution: Assisted the group on proposal preparation.
- 2021 C.A. Gayoso, L. Bibrzycki, S. Diehl, et. al, *Progress and Opportunities in Backward Angle (u -Channel)*, Physics. Eur. Phys. J. A 57, 342.
Contribution: One of the leading authors, guided students, analysis discussion and wrote text.
- 2021 Hall C Collaboration, *Ruling out Color Transparency in Quasi-elastic $^{12}C(e, e'p)$ up to Q^2 of $14.2 (GeV/c)^2$.*, Phys. Rev. Lett. 126, 082301.
Contribution: One of the idea initiators, developed the phenomenology in collaboration with theorists and assisted writing text.
- 2021 GlueX Collaboration, *Measurement of Beam Asymmetry for $\pi^- \Delta^{++}$ Photoproduction on the Proton at $E_\gamma = 8$ GeV.*, Phys. Rev. C 103(2), L022201.[†]
- 2021 GlueX collaboration, *The GlueX Beamline and Detector*, Nucl. Instrum. Meth. A987 164807.[†]
- 2020 Hall C Collaboration, *Probing the Deuteron at Very Large Internal Momenta*, [nucl-ex] arXiv:2008.08058v3.[†]
- 2020 A. Ali, et. al, *Installation and Commissioning of the GlueX DIRC*, JINST 15 C09010.
Contribution: Conceptualized idea, guided graduate students and wrote sections of the text.
- 2020 W.B. Li, G.M. Huber, J.R. Stevens, et. al, *Backward-angle Exclusive π^0 Production above the Resonance Region*, [nucl-ex] arXiv preprint:2008.10768v1.
Contribution: Conceptualized idea, guided graduate students and wrote sections of the text.
- 2020 KLF Collaboration, *Strange Hadron Spectroscopy with Secondary KL Beam in Hall D*, [nucl-ex] arXiv preprint:2008.08215v3.
Contribution: Conceptualized idea, guided graduate students and wrote sections of the text.
- 2020 GlueX Collaboration, *Measurement of the Photon Beam Asymmetry in $\vec{\gamma}p \rightarrow K^+\Sigma^0$ at $E_\gamma = 8.5$ GeV.*, Phys. Rev. C 101(6), 065206.[†]
- 2020 Hall A Tritium Collaboration, *Probing Few-body Nuclear Dynamics via 3H and 3He ($e, e'p$) pn Cross-section Measurements*, Phys. Rev. Lett. 124, 212501.[†]

- 2020 A. Ali, et. al., *The GlueX DIRC Program*, JINST 15 C04054.
Contribution: One of the main leading authors, guided graduate students and wrote sections of the text.
- 2020 M. Patsyuk, et. al., *Status of the GlueX DIRC*, Nucl. Instrum. Methods. Phys. Res. A 952 161756.
Contribution: One of the main leading authors, guided graduate students and wrote sections of the text.
- 2020 The GlueX Collaboration, *Measurement of Beam Asymmetry for $\pi^- \Delta^{++}$ Photoproduction on the Proton at $E_\gamma=8.5$ GeV.*, [nucl-ex] arXiv:2009.07326.[†]
- 2019 S. Basnet, G. M. Huber, W.B. Li, et. al., *Exclusive π^+ Electroproduction off the Proton from Low to High $-t$* , Phys. Rev. C. 100, 1065204.
Contribution: Initiated the idea, developed the statistics framework and guided graduate student.
- 2019 The GlueX Collaboration, *Beam Asymmetry Σ for the Photoproduction of η and η' Mesons at $E_\gamma=8.8$ GeV*, Phys. Rev. C 100, 052201.[†]
- 2019 W.B. Li, G. M. Huber, et. al., *Unique Access to u-Channel Physics: Exclusive Backward Angle Omega Meson Electroproduction*, Phys. Rev. Lett. 123, 182501.
Contribution: One of the main leading authors, guided graduate students and wrote sections of the text.
- 2019 Hall A Tritium Collaboration, *Comparing Proton Momentum Distributions in $A=2$ and 3 Nuclei via ^2H ^3H and ^3He ($e, e'p$) Measurements*, Phys. Rev. B. 797, 134890.[†]
- 2019 The GlueX Collaboration, *First Measurement of Near-threshold J/ψ Exclusive Photoproduction off the Proton*, Phys. Rev. Lett. 123, 072001.[†]
- 2017 J. Arrington, K. Hafidi et. al., *A Run-group Proposal Submitted to PAC 45*, JLab. PAC-45 Proposal.[†]
- 2014 W. Li, G. M. Huber, *Optical Characterization of RTV615 Silicone Rubber Compound*, JINST 9, P07012.
Contribution: First author, conceived idea and wrote text.
- 2010 J. Arrington, R. Dupré, *Charge Symmetry Violating Quark Distributions via Precise Measurement of π/π^- Ratios in Semi-inclusive Deep Inelastic Scattering*, JLab. PAC-37 Proposal.[†]

Non-Refereed Publications

- 2017 W. Li, *Exclusive Backward-Angle Omega Meson Electroproduction*, arXiv:1712.03214.
- 2013 W. Li, G. M. Huber, K. Wolbaum, *Hamamatsu R1584 PMT Modifications*, arXiv:1311.6761.

Conferences & Workshops

- 2022 W.B. Li, *2022 EIC User Group Early Career Workshop*, [nucl-ex] arXiv:2107.14657.
- 2013 W. Li, G. M. Huber, K. Wolbaum, *Hamamatsu R1584 PMT Modifications*, arXiv:1311.6761.
- 2021 W.B. Li, *DIS2021 Workshop Proceedings: Backward-angle (u-Channel) Meson Production from JLab 12 GeV Hall C to EIC*, [nucl-ex] arXiv:2107.14657.
Contribution: Organized, Obtained Funding, First Workshop on U-Channel Physics at JLab
- 2013 W. Li, G. M. Huber, K. Wolbaum, *Hamamatsu R1584 PMT Modifications*, arXiv:1311.6761.

Technical Reports

- 2019 W. Li, *DIRC LED Diffuser Configuration*, GlueX collaboration,
- 2018 W. Li, *DIRC MAPMT Test*, GlueX collaboration,
- 2014 W. Li, G. Huber, *RTV 615 Transmission Results*, Jefferson lab Hall C collaboration, HallC-doc-772-v1.
- 2013 W. Li, K. Blackburn, C. Gould, J. Gubeli, G. Huber, et. al., *Cherenkov Mirror Reflectivity Test Results*, Jefferson lab Hall C collaboration, HallC-doc-768-v1.
- 2013 W. Li, G. M. Huber, K. Wolbaum, *Hamamatsu R1584 PMT Modifications*, Jefferson lab Hall C collaboration, HallC-doc-765-v1, 2013.
- 2012 W. Li, *Operation Manual for Reflectivity Measurement Setup of Free Electron Laser Facility at Jefferson Lab*, Jefferson lab Hall C collaboration, HallC-doc-754-v1.
- 2012 W. Li, K. Blackburn, C. Gould, J. Gubeli, G. Huber, et. al., *Heavy Gas Čerenkov Mirror Reflectivity Measurements*, Jefferson lab Hall C collaboration, HallC-doc-735-v1.
- 2012 W. Li, D. Gervais, G. Huber, L. Sichelto, K. Wolbaum, *Mirror Testing Result*, Jefferson lab Hall C collaboration, HallC-doc-716-v2.
- 2011 W. Li, G. Huber, *Progress Report on Heavy Gas Čerenkov Detector Construction*, Jefferson lab Hall C collaboration, HallC-doc-695-v1.
- 2011 W. Li, G. Huber, *Radius of Curvature Measurement of Test Mirror from Sinclair Glass*, Jefferson lab Hall C collaboration, HallC-doc-693-v1.
- 2010 W. Li, J. Miao, *Investigation of Shock-wave Velocity in H_2 Region Caused by FUV Radiation*.

2009 W. Li, Steffan Mueller, *Miss-Cabling Identification Algorithm Using Star Tracking Method for Fluorescence Telescopes of Pierre Auger Experiment.*

Presentations & Posters

- 2023 Flash talk at First International Workshop on a Second Detector for the Electron Ion Collider, *Mirror Reflectivity at Far-UV.*
- 2022 Invited talk at Opportunities with JLab Energy and Luminosity Upgrade Workshop at ECT* Trento, *u-channel physics at JLab 20+ GeV.*
- 2022 Contributed talk at J-Future Workshop at Messina University, *u-Channel Physics Observables at Future CLAS.*
- 2022 Invited Seminar at University of Science and Technology of China, *Validating QCD Collinear Factorization via u-Channel Experimental Observable.*
- 2022 Invited Seminar at University of Regina, *Probing the Darkside of Proton: u-Channel Meson Production from Jefferson Lab to EIC.*
- 2021 Invited at 88th Annual Meeting of the Southeastern Section of the APS, *Diffractive and Tagging Processes in EIC Collider Experiment - ECCE.*
- 2021 Invited seminar at Ohio University, *u-Channel Meson Production from Jefferson Lab to EIC.*
- 2021 Contributed presentation at XXVIII International Workshop on Deep-Inelastic Scattering and Related Subjects (DIS 2021), *Probing u-channel Physics Observables from JLab Hall C to EIC.*
- 2021 Invited Seminar at Institute of Modern Physics, Chinese Academy of Sciences, *Probing Nucleon-to-Meson Transition Distribution Amplitudes through u-Channel Exclusive Electroproduction Observables.*
- 2021 Invited colloquium at Mississippi State University, *Probing the Darkside of Proton: u-Channel Meson Production from Jefferson Lab to EIC.*
- 2020 Contributed presentation at Backward-angle u-Channel Physics Workshop, *u-Channel π^0 Production from JLab 12 GeV to EIC.*
- 2020 Prize Award Synopsis at Jefferson Lab Users Group Meeting, *A JSA Postdoc Award Synopsis: Studying Backward-angle Physics from JLab 12 GeV to EIC.*
- 2020 INSTR20:Instrumentation for Colliding Beam Physics, *The GlueX DIRC program at Jefferson Lab.*
- 2019 Presentation at Jefferson Lab Hall D Collaboration Meeting, *DIRC Installation Progress.*
- 2018 Presentation at Next-generation GPD Studies with Exclusive Meson Production at EIC workshop, *Backward meson production.*
- 2018 Poster at SURA Board of Trustees Meeting, *Construction of DIRC for GlueX-II.*
- 2018 Presentation at Jefferson Lab Hall D Collaboration Meeting, *DIRC PMT Test.*
- 2018 Presentation at Jefferson Lab Hall C Winter Workshop, *Exclusive Backward-Angle Omega Production.*
- 2017 Presentation at Jefferson Lab Hall C Winter Workshop, *Preliminary Result of u-Channel Omega Meson Production Data from the Fpi-2 Experiment.*
- 2016 Poster at Jefferson Lab Annual User Group Meeting, *u-Channel Omega Meson Production Data from the Fpi-2 Experiment.*
- 2015 Presentation at invited departmental seminar at University of Regina, *Heavy Gas Čerenkov Detector Construction Project at University of Regina.*
- 2015 Presentation at Jefferson Lab Hall C Winter Workshop, *Backward-angle Production of Omega Mesons in Hall C.*
- 2013 Presentation at Division of Nuclear Physics Annual Meeting of the American Physical Society, *Heavy Gas Čerenkov Detector Construction for Hall C 12 GeV Upgrade.*
- 2012 Presentation at Winter Nuclear and Particle Physics Conference in Canada, *Cherenkov Mirror Reflectivity Measurements for Hall C at Jefferson Lab.*
- 2012 Presentation at Hall C SHMS Detector Working Group Meeting, *HGC Mirror Reflectivity Measurement.*
- 2012 Presentation at Canadian Association of Physicists Congress, University of Calgary, *Heavy Gas Čerenkov Detector for Jefferson Lab Hall C.*
- 2011 Presentation at Jefferson Lab Hall C SHMS Working Group Meeting, University of Regina Graduate Student's Association Conference, *Particle Identification and Heavy Gas Cerenkov Detector.*

Thesis

- 2017 W. Li, *Exclusive Backward-Angle Omega Meson Electroproduction*, JLAB-PHY-17-2599.
- 2013 W. Li, *Heavy Gas Cherenkov Detector Construction for Hall C at Thomas Jefferson National Accelerator Facility*, JLAB-PHYS-12-1697.

TECHNICAL SKILLS

Languages: Chinese and English (Academic level).

Programming Languages: Python, C/C++, Bash, PHP, HTML/CSS, Pearl.

Data Analysis & Experimental Simulation Frameworks: ROOT, PHYSICA, Geant4.

Operative Systems: MacOS, Windows, Linux: Debian & RedHat distributions.

ADDITIONAL INFORMATION

Associate member of the Canadian Institute of Nuclear Physics (CINP).

Voluntary work on scientific diffusion activities at the University of Regina: Astronomy Night, Science Rendezvous, etc.

Jury participant at the 2014, 2015 and 2016 Regional Science Festival at the University of Regina.

Jury participant at the 3MT Three Minute Thesis Competition 2023 at the Stony Brook University.