CURRICULUM VITAE of ZHIHONG YE

Address: Department of Physics, Tsinghua University, Beijing, China Email: yez@jlab.org Webpage: https://userweb.jlab.org/~yez/

I. EDUCATION

Doctor of Philosophy, Experimental Nuclear Physics University of Virginia, Charlottesville, VA Oct. 2013 **THESIS**: Short Range Correlations in Nuclei at Large x_{bj} through Inclusive Quasi-Elastic Electron Scattering

Bachelor of Science, Theoretical Physics Lanzhou University, Lanzhou, Gansu, China **THESIS**: A Review of Hypernuclear Physics

II. RESEARCH EXPERIENCE

Assistant Professor at Tsinghua University Aug. 2021-Current Developed and proposed the second-generation Tritium Experiment E12-21-004 (SIDIS in A=3) which was approved by JLab 2021 PAC

- Designed the Electron-Ion Collider in China; Lead the physics simulation of the nucleon 3D structure (TMD,GPD) and the partonic structure of nuclei; Lead the R&D effort of the PID detectors
- Continued working on the JLab Hall-A SoLID project; Coordinated the SoLID detector R&D actives at Tsinghua including the Shashlyk Electromagnetic calorimeter and the MRPC timing detector; Continue optimizing the physics programs
- Led data analysis of the Hall-A Tritium-SRC experiments of which I am one of the spokespeople; Prepare publications of the papers
- Updated the global analysis of the proton- and neutron Form-Factors, proton charged-radius extraction with new data and prepare the publication
- Participated in running the upcoming new experiments at Fermi-Lab (SpinQuest)
- Explored the application of novel particle detector technologies in Medical Imaging

Senior Detector Scientist at Canon Medical Research Institute May 2019 - July 2021

- Developed next generation spectral Computed Tomography (CT) scanners based on photon-counting detectors based on newly developed semi-conductor materials
- Tested and evaluated the performance of detector; Calibrated the misalignment and integrated them with new electronic systems into the CT scanner
- Designed experiments to evaluate the radiation and thermal effects of the detectors.
- Designed and maintained MySQL database and PHP web-server to host important parameters for the detector calibrations and imaging reconstructions

Visiting Research Associate at Argonne National Lab May 2019 - December 2019

- Continued working with students on analyzing the Tritium-SRC and Tritium-MARATHON data and prepared the paper publications;
- Continued on the global analysis of the proton and neutron Form-Factors using the newly published data including PRAD;
- Proposed the second-generation experiment to measure the cross section ratio of Semi-Inclusive Deep Inelastic Scattering off Helium-3 and Tritium targets to further study quark distributions. A letter of intent was submitted to JLab 2019 PAC.

Jun. 2005

Senior Research Associate at Argonne National Lab Research in Hall-A, Hall-B and Hall-C at Jefferson Lab

Postdoc Research Associate at Argonne National Lab Research in Hall-A and Hall-B at Jefferson Lab Supervisor: Zein-Eddine Meziani Oct. 2018 - April 2019 Supervisor: John Arrington Oct. 2015 –Oct. 2018

- Led four high-impact experiments in Hall-A using the Tritium target including the E12-11-112 SRC Experiment of which I am the spokesperson; Redesigned the SRC and MARATHON experiments to meet the physics goals with the limited beam time and truncated performance of detector systems; Prepared all run plans for both experiments, organized the daily activities to execute the plans, and interacted with different divisions and the JLab management on experimental scheduling; Overseen and solved experimental issues, and performed quality-control of new data; Mentored more than ten graduate students to work on detector maintenance and calibrations, Monte Carlo simulation and data analysis; Planned and prepared several important publications in the near future.
- Acted as spokesperson and contact person of an approved experiment, *Kaon Production in SIDIS using polarized Target and SoLID*; Continued on playing important role in the entire SoLID-SIDIS program.
- Acted as spokesperson of an approved experiment, *Measurement of Deep Virtual Meson Production* (*DVMP*) with transversely polarized He3, which aims to measure Generalized Parton Distribution (GPD) and was identified as one of the four flagship physics programs on SoLID; Led the development of the other GPD programs on SoLID including the first experiment of measuring the DVCS with polarized targets.
- Studied the impact of JLab 12GeV and future EIC data to the TMD physics, in close collaboration with most active theorists and experimentalists in this field; Results of Transversity-TMD and Tensor Charge study was published (*Phys. Lett. B767 (2017) 91-98*; Study of Sivers-TMD is undergoing.
- Performed the global fittings of proton and neutron Form-Factor world data; The first paper was published on *Phys. Lett. B* 777 8-15 (2018);
- Extracted proton charged radius using the combination of experimental data and theoretical calculation. Results published on (*Phys Rev C99 (2019) 044303*);
- Developed a new experiment to measure neutron- and deuteron-DVCS by tagging the spectator proton of the Deuterium targets, in parallel with the approved TDIS experiment (E12-15-006) using a new type of recoil detectors and the new Super-Bigbite Spectrometer in Hall-A. A letter-of-intent was submitted to JLab 2018 PAC;
- Participated the JLab LDRD Project, "Nuclear gluons with charm at EIC" (LD1601); Simulated the SIDIS measurements on EIC to study the origin of nuclear force in QCD.
- Participated in running the Proton Charged Radius Experiment (PRAD) in May-June 2016; Involved the offline analysis of the new data; Results published on *Nature 575, 147–150 (2019)*.
- Participated in the SeaQuest experiment and a new Polarized Drell-Yan experiment (E1039) at Fermi National Lab.

Post-Doctoral Research Associate at Duke University

Research in Hall-A and Hall-B at Jefferson Lab

Supervisor: Haiyan Gao Nov. 2013 – Sep. 2015

- Led the development of first DVCS measurements with polarized neutron target and proton target using SoLID; Invited new collaborators to join SoLID and investigate measurements of Deep Virtual Meson Production in SoLID;
- Played a leading role in the Geant4 simulation to design the new Solenoidal Large Intensity Device (SoLID); Optimized some of the detector designs and evaluated each detector's performance; Developed and maintained the simulation and analysis tools.
- Been responsible for one of the major SoLID physics programs Measurement of the Transverse Momentum Distributions (TMDs) via the Semi-Inclusive Deep Inelastic Scattering (SIDIS); Updated the physics rate and projections with new configuration; Studied the efficiencies and systematic errors; Estimated the background rates.
- Worked on R&D projects for some of the SoLID detectors and electronics.

- Prepared the Hall-B Proton Charge Radius (PRAD) Experiment; Proposed to add a new tracking detector to meet the experimental goal.
- Investigated the opportunities of measuring the radii of Deuteron and He4 with the PRAD setup.
- Designed a new scintillating fiber tracker (SFT) with SiPM readouts to perform charged particles identification and position measurement for the PRAD experiment; Won the 2014 JSA postdoctoral prize for proposing a SFT prototype project; Worked with two graduate students and developed a test lab to build and test the prototype with the support from the JSA post-doc research grant.

PhD Candidate of University of Virginia

Research in Hall-A at Jefferson Lab

Thesis Advisor: Donal Day Jun. 2010 – Nov. 2013

Advisor: Liguang Tang

Jan. 2006 - Jun. 2010

- Acted as Run Coordinator (RC), usually only taken by experienced scientists, for the entire commissioning period of G2p/GEp experiments (E08-027&E08-007), which demanded the largest installation and modification in Hall-A; Scheduled and organized all activities in the hall, coordinated interactions among divisions in the lab, made and proceeded run plans while consulting with spokespeople, and cooperated with colleagues to resolve hardware and software problems.
- Completed the E08-014 data analysis solely as the only Ph.D student in my thesis experiment; Developed new optics models and studied additional corrections for the spectrometer with a mis-match quadruple magnet; Studied non-uniform cryogenic targets and developed new methods to extract the density distribution and perform corrections; Developed a new C++ cross section model (XEMC); Maintained the Hall-A Single Arm Monte Carlo package (SAMC) for HRSs; Calibrated all detectors and beam diagnostic elements; Studied detector efficiencies and spectrometer acceptance effects; Extracted inclusive cross section results and evaluated errors. First paper was published (*Phys. Rev. C* 97 (2018) 065204)
- Played a major role in running five experiments in spring 2011, including E08-014; Designed a new HRS trigger system for inclusive, coincident and triple-coincident measurements; Repaired and maintained detectors and electronic modules in HRSs; Made and proceeded a run plane to take optics calibration data for E08-014; Prepared online and offline analysis software; Monitored data quality and fixed several major issues during the run period.
- Conducted maintenance and calibration of detectors in High Resolution Spectrometers (HRSs) for DVCS experiment (E07-007&E08-025), and prepared the detectors for my thesis experiment.

Graduate Student of Hampton University

Research in Hall-B and Hall-C at Jefferson Lab

- Participated in running the E05-015 and E02-017 experiments in Hall-C; Installed and maintained drift chambers and Cherenkov detectors; Prepared online and offline analysis codes; Focused on coincident timing calibration and PID study during the offline data analysis.
- Worked on the Geant4 Simulation for the E05-115 experiment to study the performance of the entire new spectrometer system.
- Designed and built new Lucite Cerenkov detectors for the E05-115 experiment; Set up a data acquisition (DAQ) system to test Lucite and Aeroger Cherenkov detectors using cosmic ray; Refurbished and tested drift chambers.
- Conducted data analysis of the E01-110 Hypernuclear experiment; Studied particle identification (PID) of kaons and missing mass spectra.
- Analyzed E02-017 test run data taken from Hall-B CLAS; Performed data cooking and detector calibrations.
- Worked on the Hypernuclear lifetime measurement experiment (E02-017) as a new proposal using Hall-B CLAS; Used Geant3 package GSIM to simulate the kinematics coverage and PID in CLAS; Developed a Monte Carlo Simulation tool to study a new method to obtain Hypernuclear lifetimes using a fission chamber.

III. MEMBERSHIPS, AWARDS AND GRANTS

- Spokesperson of E12-21-004 (Tritium-SIDIS), approved to run in Hall-B with CLAS12, Jefferson Lab
- Spokesperson of E12-11-108B/E12-10-006D (Kaon-SIDIS Experiment), conditional approved to run in Hall-A with SoLID, Jefferson Lab
- Spokesperson of E12-10-006B (Polarized Neutron DEMP Experiment), approved to run in Hall-A with SoLID, Jefferson Lab
- Spokesperson of E12-11-112 (Tritium-SRC Experiment), finished data taken in Fall 2018 in Hall-A, Jefferson Lab
- Jefferson Science Associative Post-doctoral Award with Research Grant on SciFi Tracker R&D (2014)

V. SKILLS

- Professional: experimental nuclear physics, Monte Carlo simulation, data analysis.
- Programming: C/C++, FORTRAN, Python, MATLAB, PHP, Linux shell languages, ROOT, GEANT4.
- **Hardware:** Detector assembly, maintenance, test and calibration; trigger and DAQ system design and operation;
- Others: MySQL Databases, SVN, Git/Github; Knowledge and skills on computer hardware and software; Windows OS and Linux OS administration.

VI. INTERESTS

Table tennis, basketball, soccer, fishing, hiking, swimming, running, astronomy, history

VII. LIST OF PUBLICATIONS

Note: Totally 1600+ citations based on INSPIRE-HEP, updated on March 2019

- 1. Measurement of the Nucleon F_2^n/F_2^p Structure Function Ratio by the Jefferson Lab MARATHON Tritium/Helium-3 Deep Inelastic Scattering Experiment, Tritium Collaboration, arXiv:2104.05850, submitted to PRL
- 2. The asymmetry of antimatter in the proton, SeaQuest Collaboration, Nature 590 (2021) 7847, 561-565
- 3. Spectroscopy of A=9 Hyperlithium with the (e,e'K⁺) reaction, HKS Collaborations, T. Gogami, Phys.Rev.C 103 (2021) 4, L041301
- 4. Measurement of the Ar(e,e'p) and Ti(e,e'p) cross sections in Jefferson Lab Hall A, L. Gu, Phys.Rev.C 103 (2021) 3, 034604
- 5. Novel observation of isospin structure of short-range correlations in calcium isotopes , D. Nguyen, Z. Ye, *et. al*, Phys.Rev.C 102 (2020) 6, 064004
- Probing few-body nuclear dynamics via H3 and He3 (e,e'p)pn cross-section measurements, Tritium Collaboration, R. Cruz-Torreset. al, Phys. Rev. Lett. 124 (2020) 21, 212501
- 7. Deeply virtual Compton scattering off the neutron, M. Benali *et. al.*, Nature Phys. 16 (2020) 2, 191-198
- 8. Measurement of the cross sections for inclusive electron scattering in the E12-14-012 experiment at Jefferson Lab , M. Murphy *et. al*, Phys.Rev.C 100 (2019) 5, 054606
- Pion and Kaon Structure at the Electron-Ion Collider, A. Aguilar, et. al., Eur.Phys.J.A 55 (2019) 10, 190

- 10. A small proton charge radius from an electron-proton scattering experiment, W. Xiong *et. al.*, Nature 575, 147–150(2019)
- 11. Measurement of the single-spin asymmetry in quasi-elastic 3He(e,e'n) scattering at $0.4 < Q^2 < 1.0 GeV/c^2$, Hall-A Collaboration, E. Long *et. al.*, Phys. Lett. B 797 (2019) 134875.
- 12. Comparing proton momentum distributions in A=3 nuclei via 3He and 3H (e,e'p) measurements,

Tritium Collaboration, R. Cruz-Torres et. al., Phys. Lett. B797 (2019) 134890

- First Measurement of the Ar(e,e')X Cross Section at Jefferson Lab, Hall-A Collaboration, H. Dai *el. al.*, Phys.Rev. C99 (2019) no.5, 054608
- 14. Density Changes in Low Pressure Gas Targets for Electron Scattering Experiments, S. N. Santiesteban *el. al.*, NIM (2019) 06 025
- Proton charge radius extraction from electron scattering data using dispersively improved chiral effective field theory,
 J. M. Alarcon, D. Higinbotham, C. Weiss, Z. Ye, Phys Rev C99 (2019) 044303
- Measurements of Non-Singlet Moments of the Nucleon Structure Functions and Comparison to Predictions from Lattice QCD for Q2=4 GeV2, Hall-C Collaboration, I. Albayrak *el. al.*, Phys.Rev.Lett. 123 (2019) no.2, 022501
- 17. The SeaQuest Spectrometer at Fermilab, SeaQuest Collaboration, C. Aidala *et. al.*, Nucl.Instrum.Meth. A930 (2019) 49-63.
- 18. Revealing Color Forces with Transverse Polarized Electron Scattering, SANE Collaboration, W. Armstrong *el. al.*, Phys. Rev. Lett. 122 (2019) 022002.
- 19. Measurement of double-polarization asymmetries in the quasi-elastic ${}^{3}\vec{He}(\vec{e},e'p)$, Hall-A Collaboration, M. Mihovilovic*el. al.*, Phys. Lett. B788 (2019) 117-121
- 20. Inclusive Studies of Short-Range Correlations: Overview and New Results, Z. Ye, J. Arrington, arXiv:1810.03667
- 21. First Measurement of the Ti(e,e')X Cross Section at Jefferson Lab, Hall-A Collaboration, H. Dai *el. al.*, Phy. Rev. C98 (2018) 014617
- 22. Search for three-nucleon short-range correlations in light nuclei, Hall-A Collaboration, Z. Ye *et al.*, Phys. Rev. C 97 (2018) 065204
- 23. Proton and neutron electromagnetic form factors and uncertainties, Z. Ye *et al.*, Phys. Lett. B 777 8-15 (2018)
- Extraction of the Neutron Electric Form Factor from Measurements of Inclusive Double Spin Asymmetries, Hall-A Collaboration, V. Sulkosky, et. al., Phys. Rev. C96 065206 (2018)
- 25. Design and Performance of the Spin Asymmetries on the Nucleon Experiment, SANE Collaboration, J. Maxwell *et al.*, Nucl. Instrum. Meth. A885 145-159 (2018)
- Unveiling the Tensor Charge of the Nucleon at Jefferson Lab ,
 Z. Ye et al., Phys. Lett. B767 (2017) 91-98
- 27. A Glimpse of Gluons through Deeply Virtual Compton Scattering on the Proton, DVCS Collaboration, M. Defume, et. al., Nature Communications — 8, 1408 (2017)
- Polarization Transfer Observables in Elastic Electron Proton Scattering at Q²=2.5, 5.2, 6.8, and 8.5 GeV²,
 GEp-III Collaboration, A. Puckett, et. al., Phys.Rev. C96 055203 (2017)
- 29. Resenbluth Separation of the π^0 Electroproduction Cross Section off the Neutron, DVCS Collaboration, M. Mazouz, *et. al.*, Phys. Rev. Lett. 118 (2017) 222002

- First Measurement of Unpolarized Semi-Inclusive Deep-Inelastic Scattering Cross Sections from a He3 Target, Hall-A Collaboration, X. Yan, et. al., Phys. Rev. C95 (2017) 035209
- 31. Resenbluth separation of the π^0 electroproduction cross section, DVCS Collaboration, M. Defume, %emphet. al., Phys. Rev. Lett. 117 (2016) 262001
- 32. Spectroscopy of the neutron-rich hypernucleus ${}^7_{\lambda}He$ from electron scattering, HKS Collaboration, T. Gogami
- 33. Measurement of d_2^n and A_1^n : Probing the neutron spin structure, Hall-A Collaboration, D. Flay, *et. al.*, Phys. Rev. D 94 (2016) 052003
- High Resolution Spectroscopic Study of Be¹⁰_λ, HKS Collaboration, T. Gogami, et. al., Phys. Rev. C 93(3), 034314 (2016)
- 35. Electroexcitation of the $\Delta^+(1232)$ at low momentum transfer, Hall-A Collaboration, A. Blomberg, *et. al.*, Phys. Lett. B760 267-272 (2016)
- SoLID-SIDIS: Future Measurements of Transversity, TMDs and more, Z. Ye, PoS DIS2015, 242 (2015),
- Polarization Transfer in Wide-Angle Compton Scattering and Single-Pion Photoproduction from the Proton, Hall-A Collaboration, C. Fanelli *et al.*, Phys. Rev. Lett. 115, 152001 (2015)
- Measurement of the Target-Normal Single-Spin Asymmetry in Quasi-Elastic Scattering from the Reaction 3He(e,e'), Hall-A Collaboration, Y.-W. Zhang, et. al., Phys. Rev. Lett. 115, 172502 (2015)
- 39. Double Spin Asymmetries of Inclusive Hadron Electroproductions from a Transversely Polarized 3He Target, Hall-A Collaboration, Y. X. Zhao, et. al., Phys. Rev. C 92, 015207(2015)
- 40. Proton Remains Puzzling,
 H. Gao, T. Liu, C. Peng, Z. Ye, Z. W. Zhao, The Universe 3 (2015) no.2, 18-30
- Measurement of double-polarization asymmetries in the quasi-elastic ³He(*e*,e'd) process, Hall-A Collaboration, M. Mihovilovic, *et. al.*, Phys. Rev. Lett. 113 232505 (2014)
- Experiments with the High Resolution Kaon Spectrometer at JLab Hall C and the new spectroscopy of ¹²_ΛB hypernuclei, HKS Collaboration, L. Tang, et. al., Phys. Rev. C90 034320 (2014)
- 43. Precision measurements of A_n^1 in the deep inelastic regime, Hall-A Collaboration, D.S. Parno, *et. al.*, Phy. Lett. B 744, 309-314 (2015)
- 44. Single spin asymmetries in charged kaon production from semi-inclusive deep inelastic scattering on a transversely polarized ³He target, Hall-A Collaboration, Y.X. Zhao, et. al., Phys. Rev. C90 055201 (2014)
- 45. Precision Measurement of the Neutron Twist-3 Matrix Element d_2^n : Probing Color Forces, Hall-A Collaboration, M. Posik, *et al.*, Phys. Rev. Lett. 113 022002 (2014)
- 46. Probing the Repulsive Core of the Nucleon-Nucleon Interaction via the ⁴He(e,e'pN) Triple-Coincidence Reaction, Hall-A Collaboration, I. Korover, et al., Phys. Rev. Lett. 113 022501 (2014)
- 47. Measurement of pretzelosity asymmetry of charged pion production in Semi-Inclusive Deep Inelastic Scattering on a polarized ³He target, Hall-A Collaboration, Y. Zhang, et al., Phys. Rev. C90 055209 (2014)
- Single spin asymmetries of inclusive hadrons produced in electron scattering from a transversely polarized ³He target, Hall-A Collaboration, K. Allada, et al., Phys. Rev. C 89 042201(R) 2014

- Measurement of the Target-Normal Single-Spin Asymmetry in Deep-Inelastic Scattering from the Reaction ³He(e,e')X, Hall-A Collaboration, J. Katich, et al., Phys. Rev. Lett. 113 022502 (2014)
- 50. Bucking coil implementation on PMT for active canceling of magnetic field, HKS Collaboration, T. Gogami, *et al.*, Nucl. Instrum. Meth. A729 816-824 (2013)
- 51. Direct measurements of the lifetime of medium-heavy hypernuclei, HKS Collaboration, X. Qiu *et. al.*, Nucl. Phys. A973 (2018) 116-148
- New Measurements of the Transverse Beam Asymmetry for Elastic Electron Scattering from Selected Nuclei, HAPPEX Collaboration, S. Abrahamyan, et al., Phys. Rev. Lett. 109, 192501 (2012)
- Measurement of the Neutron Radius of ²⁰⁸Pb through Parity Violation in Electron Scattering, PREX Collaboration, S. Abrahamyan, et al., Phys. Rev. Lett. 108, 112502 (2012)
- 54. Polarization Components in π^0 Photoproduction at Photon Energies up to 5.6 GeV, GEp-III Collaboration, W. Luo, *et al.*, Phys. Rev. Lett. 108, 222004 (2012)
- 55. Beam-Target Double-Spin Asymmetry $A_{\rm LT}$ in Charged Pion Production from Deep Inelastic Scattering on a Transversely Polarized ³He Target at $Q^2 = 1.4 - 2.7 \text{GeV}^2$, Hall-A Collaboration, J. Huang, *et al.*, Phys. Rev. Lett. 108, 052001 (2012)
- 56. Single Spin Asymmetries in Charged Pion Production from Semi-Inclusive Deep Inelastic Scattering on a Transversely Polarized ³He Target at Q² = 1.4 - 2.7 GeV², Hall-A Collaboration, X. Qian, et al., Phys. Rev. Lett. 107, 072003 (2011)
- 57. High-precision measurement of the proton elastic form factor ratio $\mu_p G_E/G_M$ at low Q^2 , Hall-A Collaboration, X. Zhan, *et al.*, Phys.Lett., B705 (2011), *citation: 164*
- 58. Search for Effects Beyond the Born Approximation in Polarization Transfer Observables in $\vec{e} \ p$ Elastic Scattering, GEp-III Collaboration, M. Meziane, *et al.*, Phys. Rev. Lett. 106, 132501 (2011)
- 59. Recoil Polarization Measurements of the Proton Electromagnetic Form Factor Ratio to $Q^2 = 8.5 \text{GeV}^2$,

GEp-III Collaboration, A. Puckett, et al., Phys. Rev. Lett. 104, 242301 (2010)

 Hypernuclear Spectroscopy at JLab Hall C, HKS Collaboration, O. Hashimoto, et al., Nucl. Phys. A, V 835, 121-128(2010)

VIII. LIST OF PRESENTATIONS

A. Invited Talks and Seminars

1.	Measurement of SIDIS in A=3 using CLAS12 in Hall-B	
	Proposal Defense talk at PAC49, JLab	July 2021
	Invited talk at CLAS12 Collaboration, JLab	June 2021
	Invited talk at 3rd EMC-SRC Workshop, MIT, Cambridge, MA	April 2021
2.	Nucleon and Nuclei Tomography Seminar talk at New Mexico State University, Las Cruces, NM	Feb, 2020
3.	The Current Status of the Tritium Experiments	
	Invited talk at Hadron Workshop 2019, Tianjin, China	Aug. 2019
4.	Nucleon Tomography Study at Jefferson Lab and Future EIC Seminar talk at University of California, Riverside, CA	May 2019
5.	The Tritium Experiments	
	Invited talk at 8th Workshop of the APS Topical Group on Hadron Physics, Denver, CO	April 2019

6.	Search for Three-Nucleon Short-Range Correlations Invited talk at 2nd SRC-EMC Workshop, MIT, Cambridge, MA	March 2019
7.	In Medium Nucleon Structure and Fragmentation Invited talk at Fragmentation-Function 2019 Workshop, Duke University, Durham, NC	March 2019
8.	The Tritium Experiments - Current and Future Perspective Seminar at Physics Division, Argonne National Lab, Lemont, IL	Feb. 2019
9.	SoLID Nucleon 3D Programs Invited talk at 10th Hadron Workshop, Weihai, China	July 2018
10.	Nucleon Tomography Seminar talk at Institute of Modern Physics, Lanzhou, China	July 2018
11.	Nucleon-Nucleon Short Range Correlations Invited talk at iHIC Workshop, Tsinghua University, Beijing, China	April 2018
12.	Ultimate Structure of the Matter Seminar talk at Lanzhou University, Lanzhou, Gansu, China	April 2018
13.	Study Three-Dimensional Spatial and Momentum Tomography of Hadrons a Seminar talk at University of Illinois at Chicago, Chicago, IL	nd Nuclei Sep. 2017
14.	Study Generalized Parton Distributions using SoLID Invited talk at INT 2017 Workshop, University of Washington, Seattle, WA	Sep. 2017
15.	Unveiling 3D Structure of Nucleons and Nuclei using SIDIS and Drell-Yan F Seminar talk at University of Regina, Regina, SK Canada	Processes , Feb. 2017
16.	Study of Transverse Momentum Dependent Parton Distributions Seminar talk at Argonne National Lab, Lemont, IL	Dec. 2016
17.	Study of Short-Range Correlations using Inclusive Electron Scattering at JLab User Group Annual Meeting, Newport News, VA	Jun. 2016
18.	Search for Three-Nucleon Short-Range Correlations in Nuclei Seminar talk at JLab, Newport, News, VA	Jun. 2016
19.	Experimental issues & limitations in measurements of Transversity & Tensor at SoLID-TMD Workshop, Stony Brooks University, Stony Brooks, NY	Charge Jan. 2016
20.	Precision Study of the Nucleon's 3D Structure with SoLID and EIC at Huangzhou University of Science and Technology, and Central China Normal University, Wuhan, Hubei, China	Dec. 2015
21.	From Nuclei to Quarks and Gluons Exploration with EM Probes at Sun Yat-Sen University, Zhuhai, Guangdong, China	Dec. 2015
22.	Explore the 3D structure of nucleons with SoLID and EIC Invited talk for a EIC Staff Science position at Jefferson Lab, Newport News, VA	Jul. 2015
23.	Explore the 3D structure of nucleons Invited talk at Argonne National Lab, Lemont, IL	Jun. 2015
24.	SoLID-SIDIS: Future Measurements of Transversity, TMDs and more at 2015 DIS Workshop, Dallas, TX	Apr. 2015
25.	Postdoc Prize Talk: Prototype Test for A New Scintillating Fiber Tracker at JLab User Group Annual Meeting, Newport News, VA	Jun. 2014
26.	SRC Study in Hall-A at Hall-C Summer Workshop, Newport News, VA	Aug. 2013
27.	Study of Short Range Correlations at large x_{bj} via Inclusive Electron-Nucleon Seminar at Duke University, Durham, NC	n Scattering Aug. 2013
28.	Study of Short Range Correlations at large x_{bj} Seminar at Old Dominion University, Norfolk, VA	Aug. 2013

29.	Study of Three-Nucleons Short Range Correlations in $x_{bj} > 2$ region Hall-A Physics Seminar, Newport News, VA	May.	2013
30.	Three-Nucleons Short Range Correlations in Inclusive Scattering for $x_{bj} > 2$ reg at GHP&APS, Denver, CO	gion Apr.	2013
31.	Three-Nucleons Short Range Correlations Studies in Inclusive Scattering Hall-C Physics Seminar, Newport News, VA	Mar.	2013
B. 1	7 Contributed Talks		
1.	Measuring SIDIS with Nuclear Targets Talk and Discussion at INT 2017 Workshop, University of Washington, Seattle, WA	Sep.	2017
2.	Opportunities provided by polarization observables to study GPDs Talk and Discussion at INT 2017 Workshop, University of Washington, Seattle, WA	Sep.	2017
3.	Issues of Extracting TMDs from SIDIS Data Talk and Discussion at INT 2017 Workshop, University of Washington, Seattle, WA	Sep.	2017
4.	Update from the SoLID Project at Hall-A Winter Meeting, Newport News, VA	Dec.	2014
5.	Status Update of the Proton Charged Radius Experiment at Hall-B Collaboration Meeting, Newport News, VA	Mar.	2014
6.	Analysis of a Cryo-target with non-uniform Density at Hall-A and C Analysis Workshop, Newport News, VA	Dec.	2013
7.	E08014 $(x_{bj} > 2)$ Analysis Status Report at Hall-A Annual Meeting, Newport News, VA	Dec.	2013
8.	Hall A Analyzer PODD - User Presentation at 12GeV Software Review, Newport News, VA	Nov.	2013
9.	E08014 $(x_{bj} > 2)$ Analysis Status Report at Hall-A Annual Meeting, Newport News, VA	Jun.	2013
10.	E08014 $(x_{bj} > 2)$ Analysis Status Report at Hall A Winter Work Shop, Newport News, VA	Dec.	2012
11.	E08014 $(x_{bj} > 2)$ Analysis Update at Hall A Annual Meeting, Newport News, VA	Jun.	2012
12.	E08014: Three-Nucleons Short Range Correlations in $x_{bj} > 2$ region at APS, Atlanta, GA	Apr.	2012
13.	E08014 $(x_{bj} > 2)$ Analysis Status Report at Hall A Winter Work Shop, Newport News, VA	Dec.	2011
14.	E08014: $x_{bj} > 2$ Experiment Update at Hall A Annual Meeting, Newport News, VA	Jun.	2011
15.	Data Analysis Strategy to Obtain Hypernuclear High Precision Missing Mass S at APS Annual Meeting, Washington, DC	5pect Feb.	r a 2010
16.	Three-Nucleons Short Range Correlations in $x_{bj} > 2$ region Poster at Gordon Research Conference, Holderness, NH	Aug.	2012
17.	Spectroscopic Study of Λ Hypernuclei in the medium-heavy mass region using the reaction Poster at JLab Annual Meeting, Newport News, VA	e (e,e Jun.	'K +) 2009