

## **Dr. BAO-AN LI,**

Regents Professor, born in China in 1962, a naturalized US citizen  
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### **Education**

Ph.D. in Physics, December 1991 (defense date), Michigan State University  
B.S. in Physics, July, 1983, Lanzhou University, China

### **Administrative Positions Held**

- 1) Head, Department of Physics and Astronomy, Texas A&M University-Commerce  
Aug. 15, 2006-Aug. 23, 2011
- 2) Interim Chairman, Department of Chemistry and Physics, Arkansas State University,  
May 15, 2003 – May 14, 2004
- 3) Physics Program Coordinator, Department of Chemistry and Physics, Arkansas State  
University, May 15, 2001-May 14, 2003

### **Faculty and Research Positions Held**

Texas A&M University System Regents' Professor, Oct. 2012-present  
Professor of Physics with Tenure, Aug. 15, 2006-present  
Affiliated faculty member in the Department of Chemistry, Aug., 2006-present  
Texas A&M University-Commerce,

Professor of Physics (2004-Aug. 15, 2007) (*Granted one-year leave with tenure at ASU from Aug. 15 2006 to Aug. 14, 2007 while being the department head with tenure at TAMU-Commerce*), Associate Professor (2000 – 2004), Assistant Professor (1998 – 2000),  
Department of Chemistry and Physics, Arkansas State University

Associate Research Scientist at the Cyclotron Institute & Visiting Assistant Professor at the  
Department of Physics, Texas A&M University, College Station, Jan. 1994 - Aug. 1998

Postdoctoral Research Associate, Hahn-Meitner Institute & Free University of Berlin,  
Germany, March 1992 - Dec. 1993

Visiting Research Scholar, The Niels Bohr Institute, University of Copenhagen, Denmark,  
June - Aug. 1987

Visiting Research Scholar, Oak Ridge National Laboratory, USA, July 1986 - June 1987

## Honors and Achievement Awards

- Elected Fellow of the American Physical Society, 2013
- The Harry Wade Senior Faculty Award, TAMU-Commerce, 2021
- Chuck Arize Excellence in Research Award, Commerce Chapter of the Texas Association of Black Personnel in Higher Education, 2021
- “Ceaseless Industry” Award in Research and Scholarly Activity, TAMUC, 2020
- Faculty Eminent Scholar, TAMUC Faculty Senate and Commerce Chapter of the Texas Association of Black Personnel in Higher Education, 2020
- Researcher of the Year Award, TAMU-Commerce, 2014, 2017
- Regents Professor Award, Texas A&M University System, 2012
- Provost Awards for Research and Creative Activity, TAMU-Commerce, 2011
- Outstanding Researcher of the Year Award, TAMU-Commerce, 2011
- H.M. Lafferty Distinguished Faculty Award for Scholarship and Creative Activity, TAMUC, 2009
- Dean’s Distinguished Faculty Achievement Award, College of Sciences and Math, ASU, 2004
- Board of Trustees Distinguished Faculty Achievement Award for Scholarship, ASU, 2000

## Statistics of Publications: total 345

Books and Conference Proceedings edited: 4  
Refereed articles published and accepted: 255 (13 in PRL)  
Invited book chapters & articles in conf. proceedings: 84  
Submitted to refereed journals: 2

## Statistics of Talks: total 318

Invited talks at conferences: 134  
Colloquiums and seminars: 154  
Contributed talks at conferences: 30  
Co-authored talks given by others: MANY

## Link to Publications and Citations:

[20,846 citations, H-Index of 73 on Google Scholars as of Aug. 15, 2022](#)

## External Research Grants Received in the USA \$4,737,311 (PI of \$3,153,948 and Co-PI of \$1,586,363 as of Nov., 2021)

28 Constraining the Equation of State of Dense Neutron-Rich Matter  
Bao-An Li (PI), DOE, \$131,000, Dec. 1, 2021 – Nov. 30, 2023

27. **PASS:** Physics and Astronomy Scholarship for Success  
Bao-An Li (PI), C. Davis and Kent Montgomery, NSF \$570,782, Sept. 1, 2017-Aug. 31, 2023

26. CUSTIPEN-the China-U.S. Theory Institute for Physics of Exotic Nuclei  
*Bao-An Li (PI) and Pawel Danielewicz, DOE, \$104,000, May 1, 2016-April 30, 2023*

25. Central Reaction Theory at FRIB (Facility for Rare Isotope Beams)  
Bao-An Li (PI), DOE, \$155,000, June 1, 2018 – Nov. 30, 2021

24. Determination of high-density symmetry energy through covariance analyses of isovector observables in central heavy-ion reactions at FRIB  
Bao-An Li (PI), DOE, \$145,000, June 1, 2015-May 31, 2018

23. Research Experience for Undergraduates (REU) in Physics and Astronomy  
*Bao-An Li (PI) and Matt Wood, NSF, \$285,887, May 1, 2014-April 30, 2017*
22. CUSTIPEN-the China-U.S. Theory Institute for Physics of Exotic Nuclei  
*Bao-An Li (PI) and Pawel Danielewicz, DOE, \$141,000, May 1, 2013-April 30, 2016*
21. Constraining the Symmetry Energy of Neutron-Rich Nucleonic Matter at Supra-Saturation Densities  
*Bao-An Li (PI), NSF, \$171,000, Aug. 1, 2011-May 31, 2015*
20. Research Experience for Undergraduates (REU) in Physics and Astronomy  
*Bao-An Li (PI) and Carlos Bertulani, NSF, \$240,000, May 1, 2011-April 30, 2014*
19. Extracting the symmetry energy of dense neutron-rich matter from astrophysical observations  
*Bao-An Li (PI) and Will Newton, NASA, \$399,878, Jan.1, 2011-Dec. 31, 2014*
18. Scholarships and Research Experiences for Transfer Students to Excel in Science and Engineering  
*Ben Jang (PI), Jeff Kopachena and Bao-An Li, NSF, \$593,700, Aug. 15, 2008-Aug. 14, 2014*
19. Probing the density and momentum dependence of the nucleon isovector potential in neutron-rich nuclear matter with heavy-ion reactions  
*Bao-An Li (PI), NSF, \$150,000, Aug.1, 2008-July 31, 2012*
16. M2T2 - Maximizing Motivation, Targeting Technology  
*Gil Naizer (PI), Tracy Henley, Bao-An Li and Sam Saffer, NSF, \$992,663, Jan. 1, 2009-Dec. 31, 2012*
15. Determining the Equation of State of Neutron-Rich Nuclear Matter and its Astrophysical Impacts  
*Bao-An Li (PI), Advanced Research Program, Texas Coordinating Board of Higher Education, \$134,300, May 15, 2008-Feb 28, 2011*
14. Constraining the changing rate of the gravitational constant G using terrestrial nuclear laboratory data,  
*Bao-An Li (PI), Research Corporation for the Advancement of Sciences \$37,800, July 31, 2007-July 30, 2010*
13. Probing the isospin-dependence of in-medium nuclear effective interactions at the Rare Isotope Accelerator  
*Bao-An Li (PI), NSF, \$145,278, Aug. 1, 2005-Oct. 31, 2009*
12. Equation of state of dense neutron-rich matter in neutron stars  
*Bao-An Li (PI), Tony Hall and Andy Sustich  
NASA-Arkansas Space Grants Consortium, \$92,408, March 1, 2005-Feb. 28, 2008*

11. Astrophysical applications of the nuclear equation of state  
*Arkansas-SILO Advisory Council Undergraduate Research Fellowships, \$3,900*  
*Bao-An Li (PI) with Hunter Broadaway, Jan. 1 – Dec. 31, 2005*
10. Probing the equation of state of neutron-rich matter at RIA  
*Bao-An Li (PI), National Science Foundation, \$46,695, Sept.1, 2004 to Aug. 31, 2005.*
9. Transport theory with Bose-Einstein statistics  
*Bao-An Li (PI), National Science Foundation, \$15,000, Aug.1, 2003 - July 31, 2004*
8. Ultra-relativistic heavy-ion collisions and isospin physics with radioactive beams  
*Bao-An Li (PI), National Science Foundation, \$97,000, Aug.1, 2000 – July 31, 2004.*
7. Isospin physics with radioactive beams  
*Bao-An Li (PI), Subcontract, National Superconducting Cyclotron Laboratory, \$8,000, July, 2004*
6. Theoretical study of ultra-relativistic heavy-ion collisions  
*Bao-An Li (PI), Arkansas Science and Technology Authority, \$61,120, Dec.1, 1999 - June 30, 2001.*
5. Development of a multi-phase transport model for heavy-ion collisions  
*Bao-An Li, Subcontract, Texas A&M Research Foundation, \$15,000, May, 1999 - Aug., 2002.*
4. Computer simulation of nuclear reactions  
*Arkansas-SILO Advisory Council Undergraduate Research Fellowships, \$3,900*  
*Bao-An Li (PI) with student Matt Tilley, Dec., 1999 - Nov., 2000.*

**Postdoctoral research associates and research scholars supervised:**

- 1) Dr. Plamen G. Krastev (Aug. 2006- Aug. 2008, now a Research Scientist at Harvard University)
- 2) Dr. William G. Newton (Sept. 2008-Sept. 2009, now an Associate Prof. at TAMU-Commerce)
- 3) Dr. Chang Xu (Feb. 2009- Jan. 31, 2011, now a Professor at Nanjing University)
- 4) Dr. Adeola A. Adeluyi (Aug. 2009-Aug. 2010, Dallas Industry)
- 5) Dr. Li Ou (Nov. 1, 2010-Oct. 30, 2011, now a Professor at Guangxi Normal University)
- 6) Dr. Yuan Tian (Oct. 22, 2010-Oct. 21, 2011, now a Professor at China Institute of Atomic Energy)
- 7) Dr. Jun Xu (Jan. 1-Dec. 31, 2012, now a Distinguished Research Scientist, Shanghai Institute of Applied Physics, Chinese Academy of Sciences)
- 8) Dr. Farrooh Fattoyev (Jan. 4, 2012-Dec. 31, 2014, now an Assistant Prof. at Manhattan College)
- 9) Dr. Xiao-Hua Li (Aug. 29, 2013-Aug. 27, 2014, now a Professor at Nanhua University, China)
- 10) Dr. Bao-Jun Cai (July 1, 2014-Dec. 31, 2016, now Chief Scientist at Quantum Machine Learning Laboratory, Shadow Creator Inc, Shanghai, China)

### **Visiting Research Scientists hosted:**

- 11) Prof. Jian-Ye Liu, Chinese Academy of Science, 1 month in 2002
- 12) Prof. Lie-Wen Chen, Shanghai Jiao Tong University, 3 months in 2007, 3 months in 2010
- 13) Prof. Wei-Zhou Jiang, Southeast University, China, 1.5 years during 2007-2008 and July 15-Sept. 15, 2013
- 14) Prof. De-Hua Wen, South China U. of Science and Technology, 1 year during 2008-2009, July 1-Sept. 1, 2011, July-18-Oct. 19, 2018
- 15) Dr. Gao-Chan Yong, Chinese Academy of Science, 6 months in 2007, 6 months in 2009
- 16) Prof. Fuli Li, Xian Jiao Tong University, April 10-May 31, 2010
- 17) Prof. Ang Li, Xiamen University, March 14, 2011-Aug. 31, 2011.
- 18) Prof. Gao-Feng Wei, Xian Jiaotong University, Feb. 15-Aug. 15, 2013
- 19) Prof. Wenjun Guo, University of Shanghai for Science and Technology, Aug. 29, 2013-Aug. 28 2014, funded by the China Scholarship Council
- 20) Prof. Xiao-Tao He, Nanjing University of Aeronautics and Astronautics, Dec. 16, 2013 to Dec. 15, 2014, funded by the China Scholarship Council
- 21) Prof. Wen-Jie Xie, YunCheng University, Aug. 16, 2018 to Aug. 15, 2019, funded by the China Scholarship Council

### **Research Students Advised**

- **Ph.D. students:** Gong-Chan Yong, Institute of Modern Physics, Chinese Academy of Science (received his Ph.D. in 2008, now a Research Professor in China)  
Gao-Feng Wei, Xian Jiaotong University, 2011-2016, now a Professor at Guizhou Normal University, China  
Naibo Zhang, Shangdong University at Weihai, 2016-2017, now an Associate Professor at Southeast U in China
- **MS graduate students:**  
Guang Song, Texas A&M University, College Station  
Aaron Worley, Joshua Edmondson, Michael Gearheart, WeiKang Lin, Lin-Zhi Cai, Jeff Campbell, Zach Taylor, Macon Magno, Jake Richter, TAMU-Commerce  
Xunchao Zhang, MS student, Chinese Academy of Science,  
Xiao Han, Xian Jiaotong University
- **Undergraduate research students:**  
Joshua Buckley, Mark Bryant, Matt Tilley, Amanda Evens, Charles Teal, Christina Griffis, Gregory Slayton, Hunter Broadway, Lucas Jennings, Michael Clay, Richard Nobra, Joe Hearon, Justin Walker, Joshua Hooker, D'Terrian Johnson, Cleatrick Rodgers, Cory Ward, Jose Carvajal, Zachary Martinot, Jessica Zimmerman, Isabel Coronado, Kyleah Murphy, Frank Hall
- **High school student:** Charles Milner (B.S from Yale, now works at Google).

### **Professional Services**

**Grant and Award Reviewer for:** The US National Science Foundation, The US Department of Energy, The US Civilian Research & Development Foundation, The Fulbright Scholarship Program, The Chinese State Commission for Sciences and Technology, The Chinese Academy of Science, The Croatian Science Foundation, The Dutch Science Foundation, The European Research Council (ERC)

**Journal Referee for:** Physical Review Letters, Physical Review C, Physical Review D, Physics Letters B, Nuclear Physics A, Journal of Physics G, Euro. Phys. Letters, International Journal of Modern Physics D & E, The Canadian Journal of Physics, Journal of Central Europe, Nuclear Instrument and Methods, Physics Scripta, Modern Physics Letters A, Turkish Journal of Physics, European Physics Journal A, Chinese Physics C, Chinese Physics Letters, Nuclear Physics Review, Nuclear Sciences and Techniques, Journal of High Energy Astrophysics, Frontiers of Physics, Universe, The Astrophysical Journal

**Editorial Boards:**

Member of the Editorial Board, Nuclear Physics and High Energy Physics, 2003-2007

Member of the Editorial Board, Chinese Physics C, 2007-present

Member of the Editorial Board, Nuclear Physics Review, 2013-present

International Editorial Board, Nuclear Sciences and Techniques, 2014-present

Divisional Editor, Frontiers of Physics, 2018-2022

Associate Editor & referee, Journal of Arkansas Academy of Science, 2000-2006

**International committees, governing boards and/or organizers**

1. Co-organizer, International Workshop on Nuclear Reaction Dynamics, Nov. 14-18, 2001, National Superconducting Cyclotron Laboratory, East Lansing, USA
2. Chair of the organizing committee, 88<sup>th</sup> Arkansas Academy of Science Annual Meeting, Jonesboro, Arkansas, April 2-4, 2004
3. Consultant, March 1998 - May 1999, Geophysics Division, Shell Research Center, Houston, Texas
4. International Advisory Committee, WCI (World Consensus Initiative) in intermediate energy nuclear physics, 2004
5. Reaction theory coordinator, RIA theory working group, 2004
6. Co-chair and a panelist, 2004 Gordon Research Conference in Nuclear Science, June 13-18, 2004, Colby-Sawyer College, New London, NH, USA
7. Organizer, Workshop on Nuclear Equation of State for Nuclei, Neutron Stars and Supernovae, April, 14-15, 2005, Jonesboro, Arkansas
8. Member, writing committee of the RIA Theory Blue Book, 2006
9. Co-organizer, International Workshop on Nuclear Dynamics in Heavy-Ion Reactions and Neutron Stars, July 10-14, 2007, Beijing, China
10. International Advisory Committee, International Workshop: Nuclear Symmetry Energy at Intermediate Energies, Catania, Italy, May 28-31, 2008
11. International Advisory Committee, 10<sup>th</sup> International Conference on Nucleus-Nucleus Collisions, Beijing, China, Aug. 16-21, 2009
12. International Coordinator for the program "Relativistic many-body problems for heavy and super-heavy nuclei" at the Kavli Institute for Theoretical Physics, Beijing, China, June 8-27, 2009
13. International Advisory Committee, International Workshop on Nuclear Dynamics and Symmetry Energy, Shanghai, China, Aug. 23-25, 2009
14. International Advisory Committee, Pan-American Advanced Studies Institute on Rare Isotopes, Joao Pessoa, Brazil, Aug. 1-13, 2010

15. Chair, Invited Session on the Symmetry Energy Term of the Nuclear EOS, Fall 2010 APS/DNP Meeting, Santa Fe, NM, Nov. 2-6, 2010
16. Chair of the Organizing Committee, Topical Workshop on Nuclear Symmetry Energy and Astrophysics, Xian, China, Dec. 16-20, 2010
17. Local Organizing Committee, 2011 Fall Meeting of the APS-Texas section, Texas A&M University-Commerce
18. Coordinator for the session on “Nuclear EOS and effective interaction” of the Gordon Research Conference on Nuclear Chemistry, Colby-Sawyer College, NH, June 12-17, 2011
19. International Advisory Committee, International Symposium on Nuclear Symmetry Energy, Smith College, MA, USA, June 17-20, 2011
20. Nuclear Symmetry Energy, Smith College, MA, USA, June 17-20, 2011
27. Co-Chair, organizing committee of the 11<sup>th</sup> International Conference on Nucleus-Nucleus Collisions, San Antonio, Texas, USA, May 27-June 1, 2012
21. US coordinator and a member of the Governing Board of the China-U.S. Theory Institute for Physics with Exotic Nuclei (CUSTIPEN), 2011-present
22. International Organizing Committee, International Symposium on the theme “Recent Trends in Nuclear Structure and Heavy- Ion Reaction Mechanism”, Chitkara University, Himachal Pradesh, India, 19<sup>th</sup> -22<sup>nd</sup> November, 2012.
23. International Advisory Committee, International Workshop on Nuclear Dynamics, Shenzhen, China, Nov. 6-9, 2012
24. Co-Chair, International Workshop on Nuclear Dynamics and Thermodynamics, College Station, Texas, Aug. 19-22, 2013
25. International Advisory Board, 2013 International Nuclear Physics Conference, Florence, Italy, June 2-7, 2013
26. Program Advisory Committee (PAC) of the Korea Rare Isotope Science Project, 2012-2016
27. Organizer, Texas-CUSTIPEN mini-workshop on critical issues about nuclear symmetry energy, Commerce, Texas, Aug. 15, 2013
28. Co-Editor, Proceedings of the 11<sup>th</sup> International Conference on Nucleus-Nucleus Collisions in Journal of Physics: Conference Series (2013).
29. A guest editor for a special volume on nuclear symmetry energy for the European Journal of Physics A (2013).
30. A co-organizer of the 2013 ICNT at FRIB Program: Symmetry Energy in the Context of New Radioactive Beam Facilities and Astrophysics, National Superconducting Cyclotron Laboratory and Facility for Rare Isotopes, Michigan State University, July 15-Aug. 9, 2013
31. A member of the FRIB Theory Center Steering Committee, The Facility for Rare Isotope Beams (FRIB), Michigan State Univ., 2013-2016
32. A co-organizer of the Third International Symposium on Nuclear Symmetry Energy, July 22-26, 2013, East Lansing, Michigan
33. A member of the Program Advisor Committee, Nuclear Matter Research Innovation Center, Ministry of Education, China, 2013-2014
34. International Advisory Committee, Entrance Channel Effect on the Reaction Mechanism in Heavy Ion Collisions, Messina, Italy, 6 to 8 November, 2013.
35. Convener for the sessions on “Entrance channel effects on final-state anisotropy”, The IX Workshop on Particle Correlations and Femtoscopy (WPCF 2013),

- Acireale (Sicily), Italy November 5-8, 2013
36. Convener of 4 sessions on the “Equation of State for Compact Stars” at the 27<sup>th</sup> Texas Symposium on Relativistic Astrophysics, Dallas, Texas, Dec. 8-13, 2013
  37. Co-organizer, International Workshop on Simulations of Low and Intermediate Energy Heavy Ion Collisions, January 8-12, 2014, Shanghai, China
  38. International review committee, Large Acceptance Multi-Purpose Spectrometer (LAMPS) at RAON/Korea, 2013
  39. A member of the Scientific Committee, International Workshop on Multifacets of EOS and Clustering, Catania, Italy, May 6-9, 2014
  40. International Advisory Committee, 4<sup>th</sup> international workshop on nuclear dynamics in heavy-ion reactions, Lanzhou, China, August 15-19, 2014
  41. Board of international advisors for The International Symposium on Physics of Unstable Nuclei 2014 (ISPUN14), Ho Chi Minh City, Vietnam, Nov. 3-8, 2014.
  42. International Advisory Committee, 12<sup>th</sup> International Conference on Nucleus-Nucleus Collisions (NN2015), Catania, Italy, June 21-26, 2015
  43. International Advisory Committee, Isospin, SStructure, Reactions and energy Of Symmetry 2015, Častá-Papiernička, Slovakia, May 1-6, 2015
  44. International Advisory Committee, Winter School on Nuclear Astrophysics, Kolkata, India, Jan. 19-31, 2015
  45. International Advisory Committee, International Nuclear Physics Conference, Adelaide, Australia, September 11-16, 2016.
  46. International Scientific Committee of the 5<sup>th</sup> International Symposium on Nuclear Symmetry Energy (NuSYM15), Kraków (Cracow, Poland), June 29 - July 2, 2015.
  47. Program Committee, First FRIB-China Workshop on Nuclei and Hadrons, National Superconducting Cyclotron Laboratory, Michigan State University, East Lansing, MI, May 28-30, 2015
  48. Session Coordinator and Discussion Leader, 2015 Gordon Research Conference in Nuclear Chemistry, Colby Sawyer College, New Long, NH, May 31-June 5, 2015
  49. Co-organizer, PKU-CUSTIPEN workshop on “Advances in computations of nuclear structure and nuclear forces”, Peking University, Beijing, China, August 1-6, 2015
  50. IMP-CUSTIPEN workshop on “Properties of exotic nuclei and asymmetric nuclear matter”, Institute of Modern Physics, Chinese Academy of Science, Lanzhou, China, August 7-12, 2015
  51. Co-chair of the organizing committee, SINAP-CUSTIPEN Workshop on Correlations and Clusters in Nuclei, Nuclear Reactions and Neutron Stars, Dec. 14-18, 2015, Shanghai, China
  52. Board Member of ICNT (International Collaboration in Nuclear Theory), National Superconducting Cyclotron Laboratory, Michigan State University, 2015-2017
  53. Oversea Review Expert of the Chinese Academy of Sciences, May 2015-present
  54. International Advisory Committee, 5<sup>th</sup> International Workshop on Nuclear Dynamics in Heavy-Ion Reactions (IWND2016), Henan, China, May 15-20, 2016
  55. International Advisory Committee, 6<sup>th</sup> International Symposium on Nuclear Symmetry Energy (NuSYM16), Beijing, China, June 13-17, 2016.
  56. US taskforce, FRIB-China Organization, 2015-2017



57. Joint US-China selection committee for the FRIB (Facility for Rare Isotope Beams)-CSC (China Scholarship Council) Fellows, Feb., 2016-2018
58. Advisory Committee, the 2<sup>nd</sup> FRIB-China Workshop on Physics of Nuclei and Hadrons, Beijing, China, Oct. 16-18, 2017
59. Governing Board member of the FRIB Theory Alliance, The Facility for Rare Isotope Beams (FRIB), Michigan State Univ., 2016-2017
60. Co-organizer, International Symposium on Nuclear Dynamics and Thermodynamics in Honor of Prof. Joe Natowitz, Huizhou, China, Dec. 11, 2016
61. Co-chair of the organizing committee, CUSTIPEN-PKU-IMP Workshop on Physics of Exotic Nuclei, Huizhou, China, Dec. 12-16, 2016
62. International Advisory Committee, Isospin, SStructure, Reactions and energy Of Symmetry 2017, Častá-Papiernička, Slovakia, May 14-19, 2017
63. Co-organizer, CUSTIPEN-Huzhou Workshop on Spectroscopies and Reactions of Exotic Nuclei, Huzhou, China, July 3-8, 2017
64. International Advisory Committee, 7th International Symposium on Nuclear Symmetry Energy (NuSYM17), Ganil, France, Sept. 4-8, 2017.
65. International Advisory Board, The International Symposium on Physics of Unstable Nuclei 2017 (ISPUN17), Halong City, Vietnam, Sept. 25-30, 2017
66. International Advisory Committee, 13<sup>th</sup> International Conference on Nucleus-Nucleus Collisions, Omiya, Japan, 4-8 December, 2018.
67. International Advisory Committee, Symposium on Intermediate-energy Heavy Ion Collisions (IHIC2018), Tsinghua University, Beijing, China, April 5-8, 2018.
68. International Advisory Committee, International Workshop on Nuclear Dynamics (IWND2018), Huzhou, China, June 8th-12<sup>th</sup>, 2018
69. International Advisory Committee, 7th International Symposium on Nuclear Symmetry Energy (NuSYM18), Busan, South Korea, Sept. 10- 13, 2018
70. Co-organizer, CUSTIPEN-Chengdu Workshop on the Exotic Decays of Nuclei, Chengdu, China, May 14-18, 2018
71. Co-chair of the organizing committee, CUSTIPEN-Xiamen Workshop on the EOS of Dense Neutron-Rich Matter in the Era of Gravitational Wave Astronomy, Xiamen, China, Jan. 3-7, 2019
72. International Advisory Committee (IAC), 27<sup>th</sup> International Nuclear Physics Conference (INPC2019), Glasgow, UK, July 29-Aug. 2, 2019, <http://inpc2019.iopconfs.org/committee>
73. International Advisory Committee (IAC), Isospin, SStructure, Reactions and energy Of Symmetry (ISROS2019), Častá-Papiernička, Slovakia, Oct. 20-25, 2019 [http://www.fu.sav.sk/fileadmin/user\\_upload/oddelenia/ojf/nph/events/ISTROS/index.html](http://www.fu.sav.sk/fileadmin/user_upload/oddelenia/ojf/nph/events/ISTROS/index.html)
74. Co-organizer, 9th International Symposium on Nuclear Symmetry Energy (NuSYM2019), Danang City, Vietnam, Sept. 30 - Oct. 4, 2019, <https://nusym2019.ispun.vn>
75. Co-organizer, International Workshop on “Nuclear Structure and High Energy Nuclear Collisions”, December 18-22, 2019, Huzhou, China
76. International Advisory Committee (IAC), 2<sup>nd</sup> Symposium on Intermediate-energy Heavy Ion Collisions (IHIC2020), Lanzhou, China, Feb 12-16, 2020 (**postponed**)

77. Co-organizer, CUSTIPEN-PKU workshop on “Day-1 FRIB Science: Opportunities and Challenges”, March 5-9, 2020, Beijing, China (**postponed**)  
<http://custipen.pku.edu.cn/CUSTIPEN-PKU2020.pdf>
78. Science Organization Committee, Dialog at the Dream Field: Supranuclear Matter, Guizhou, China, Aug. 17-21, 2020 (**postponed**)  
[http://www.phy.pku.edu.cn/~xurenxin/mixed/Dream\\_Field.mp4](http://www.phy.pku.edu.cn/~xurenxin/mixed/Dream_Field.mp4)
79. International Advisory Committee (IAC), 7<sup>th</sup> International Workshop on Nuclear Dynamics, Zhuhai, China, June 11-15, 2020 (**postponed**)
80. International Advisory Committee, 10th International Symposium on Nuclear Symmetry Energy (NuSYM21), Catania, Italy, Oct. 12- 16, 2021 (Online), Nusym22, Sept. 26-30, 2022 (in person)
81. International Advisory Committee (IAC) and the Scientific Program Committee, 14<sup>th</sup> international conference on Nucleus-Nucleus Collisions (NN2021), Whistler, BC, Canada, July 18 – 23, 2021 (**postponed**)

### Services to the University Communities

- Director, PASS (Physics and Astronomy Scholarship for Success), TAMU-Commerce, 2017-present
- Graduate Council, TAMU-Commerce, 2020-present
- Director, REU (Research Experience for Undergraduates) Program in Physics and Astronomy, TAMU-Commerce, 2010-2016
- College Tenure and Promotion Committee, TAMU-Commerce, 2016-2019
- Member, Search committee for the Dean of the College of Science and Engineering, TAMU-Commerce, 2014
- Member, search committee for the Head of the Department of Chemistry, 2013
- Member, search committee for the Vice Provost and Dean of Graduate School, TAMU-Commerce, 2012
- Chair, Search Committee for the head of the Department of Physics and Astronomy, TAMU-Commerce, 2012
- Member, Search Committee for the Dean of the College of Science, Engineering and Agriculture, TAMU-Commerce, 2011
- Member, Search Committee for the grant writer at the Graduate School and Research, TAMU-Commerce, 2011
- Member, University Ad Hoc Hearing Committee, TAMU-Commerce, 2010
- Member, university taskforce on restructuring the College of Arts and Sciences, TAMU-Commerce, 2010
- Coordinator, Physics and Astronomy Colloquium, 2006-2016
- Director, GK-12 pilot program, TAMU-Commerce, 2009-2010
- Member, university taskforce on faculty annual evaluation, TAMU-Commerce, 2009
- Member, special university inquiry committee on research ethics, TAMU-Commerce, 2008
- External Review Panelist for the Department of Chemistry, TAMU-Commerce, 2007

- Member, Search Committee for the Head of the Department of Computer Science, TAMU-Commerce, 2008
- Member, University Research Advisory Committee, TAMU-Commerce, 2007-2010
- Member, Executive Advisory Committee, Arkansas Bioscience Institute, May, 2004-2006
- Member, ASU Information Technology Advisory Committee, June, 2005-2006
- Member, ASU Faculty Advisory Group to the Vice Chancellor for Research and Academic Affairs May, 2004-2006
- Member, ASU Research Advisory Council, Aug. 2003 – 2004
- Judge, Northeast Arkansas Science Fair, 1998-2006
- Member, resolution committee, Arkansas Academy of Science, 2001-2006
- Judge, student award competition, Arkansas Academy of Science, 2001-2006
- Member, University International Programs Committee, ASU, 2000-2003
- Member, Board of Trustees Distinguished Faculty Achievement Award Committee, ASU, 2002-3
- Member, Search Committee for the Dean of the College of Sciences and Mathematics, ASU, 2002
- Member, College Radiation Safety Committee, ASU, 2002-2006
- Chair, Physics Faculty Search Committee, ASU, 2000 and 2005
- Member, Physics Programs Committee, 1999-2006
- Coordinator, Physics Program in the Department of Chemistry and Physics, 2003-2006, ASU
- Co-chair, Department Computer Committee, ASU, 2001-2003
- Coordinator, physics seminars, ASU, 1999-2006
- Member, College Committee for Promotion, Tenure and Retention, ASU, 2004-2006

## **Teaching Experience**

### **A) Undergraduate Courses:**

- Thermal Physics (TAMU-Commerce)
- Math Physics (ASU, TAMU-Commerce)
- Classical Mechanics (TAMU-Commerce)
- Current Problems in Physics and Astronomy (TAMU-Commerce)
- Quantum Mechanics (ASU, TAMU-Commerce)
- Introduction to Space Science/Astronomy (ASU)
- Nuclear and Particle Physics (ASU)
- Calculus-based University Physics I & II (ASU)
- Algebra-based General Physics I & II (ASU, TAMU-Commerce)
- (Integrated Lecture and Lab studio) Fundamental Physics I & II for Engineers (ASU)
- Calculus-based College Physics I & II (TAMU-College Station)
- Algebra-based General Physics I & II (TAMU-College Station)
- Nuclear Physics (TAMU-Commerce)
- Modern Physics (TAMU-Commerce)
- Integrated Sciences (TAMU-Commerce)

### **B) Graduate Courses:**

- Math Physics (TAMU-Commerce)

- Introduction to Theoretical Mechanics (TAMU-Commerce)
- Quantum Mechanics (TAMU-Commerce)
- Physics Literature & Research (TAMU-Commerce)
- Nuclear physics (TAMU-Commerce)
- Statistical Mechanics (TAMU-Commerce)
- Colloquium in Physics and Astronomy (TAMU-Commerce)

## List of Publications

### **(I) Books, topical issues of journals and conference proceedings edited**

#### 1) [Isospin Physics in Heavy-Ion Collisions at Intermediate Energies](#)

Eds. **Bao-An Li** and W.U. Schröder

NOVA Science Publishers, Inc. (2001, New York), ISBN 1-56072-888-4.

#### 2) Proceedings of the 11<sup>th</sup> International Conference on Nucleus-Nucleus Collisions,

Eds. **Bao-An Li** and Joseph B Natowitz

*J. Phys.: Conf. Ser.* **420** 011001 (2013), [doi:10.1088/1742-6596/420/1/011001](https://doi.org/10.1088/1742-6596/420/1/011001)

#### 3) [Topical Issue on Nuclear Symmetry Energy](#)

Eds. **Bao-An Li**, A. Ramos, G. Verde and I. Vidana

*Eur. Phys. J. A* 50, No. 2, (2014).

#### 4) American Institute of Physics Conference Proceedings, 2127, (2019).

Xiamen-CUSTIPEN Workshop on the Equation of State of Dense Neutron-Rich Matter in the Era of Gravitational Wave Astronomy, ISBN: 978-0-7354-1869-1

Eds: Ang Li, **Bao-An Li** and Furong Xu

<https://aip.scitation.org/toc/apc/2127/1?expanded=2127>

### **(II) Refereed publications in journals:**

257) Impacts of Nuclear Symmetry Energy on Sound Speeds and Hadron-Quark Phase Transitions via Spinodal Decompositions in Dense Neutron-Rich Matter

[Nai-Bo Zhang](#), [Bao-An Li](#), [arXiv:2208.00321](https://arxiv.org/abs/2208.00321), submitted to *Phys. Rev. C*

256) Fourier Versus Singular Value Decompositions of Nucleon Azimuthal Angle Distributions in Heavy-Ion Reactions Around Ebeam/nucleon=1 GeV

[Bao-An Li](#), [Jake Richter](#), [arXiv:2207.03563](https://arxiv.org/abs/2207.03563), submitted to *Phys. Rev. C*

255) Equation of State of Neutron-Rich Matter in d-Dimensions

[Bao-Jun Cai](#), [Bao-An Li](#), [arXiv:2206.15314](https://arxiv.org/abs/2206.15314), *Annals of Physics* 444, 169062 (2022).

254) Probing high-density nuclear symmetry energy with  $\Xi^-/\Xi^0$  ratio in heavy-ion collisions at  $s_{NN}=\sqrt{3}$  GeV

[Gao-Chan Yong](#), [Bao-An Li](#), [Zhi-Gang Xiao](#), [Zi-Wei Lin](#)

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253) Investigating Effects of Relativistic Kinematics, Dimensionality, Interactions, and Short-Range Correlations on the Ratio of Quartic over Quadratic Nuclear Symmetry Energies,

[Bao-Jun Cai](#), [Bao-An Li](#), Physical Review C 105, 064607 (2022)

252) Transport Model Comparison Studies of Intermediate-Energy Heavy-Ion Collisions  
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250) Comparison of Heavy-Ion Transport Simulations: Mean-field Dynamics in a Box  
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- 11). Mean field effects in heavy-ion collisions at AGS energies.  
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- 10). Multifragmentation induced by relativistic  $\alpha$  projectiles  
V. Lips, **Bao-An Li** and D.H.E. Gross  
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Eds. H. Feldmeier and Wolfgang Nörenberg.
- 9). Multifragmentation induced by relativistic  $\alpha$  projectiles studied with the  $4\pi$  setup FASA  
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- 8). Intermittent pattern of dynamical fluctuations in relativistic heavy-ion collisions  
**Bao-An Li**, Proceedings of the international conference on relativistic heavy-ion collisions, P. 98, ed.: T. Csorgo et. al. KFKI-1993-11/A.
- 7). Dynamical fluctuations and pion productions at  $E/A=2.0$  GeV  
**Bao-An Li**, Proceedings of the Topical Workshop on Mesons from Nuclear Collisions, May 4-8, 1993, GSI Darmstadt, Germany, Ed. E. Grosse.
- 6). A Hadronic Transport Model and Its Applications in Relativistic Heavy-ion Collisions  
**Bao-An Li**, Proceedings of the International School-Seminar on Heavy-ion Physics, May 10-15, 1993, Dubna, Russia, E7-93-126, Eds. R. Kalpakchieva and E.A. Cherepanov, p154.
- 5). Pion spectra, flow and squeeze-out at Bevalac/SIS energies  
**Bao-An Li**, Proceedings of the 9th High Energy Heavy-ion Study Oct. 25-29, 1993 Lawrence Berkeley Laboratory, USA, Eds. A.D. Chacon, M. Justice and H.G. Ritter, LBL-35984, CONF-9310315, UC-414, p177.
- 4). Pion correlations in proton-induced reactions  
W. Bauer, P. Danielewicz, D. Klakow, **Bao-An Li** and P. Schuck  
Meson interferometry in relativistic heavy ion collisions Brookhaven National Laboratory, April 16-17, 1993, Report-BNL-48880.
- 3). Relativistic transport theory and pion production in heavy-ion collisions

Wolfgang Bauer and **Bao-An Li**

Proceedings of the 2nd International Workshop on Relativistic Aspects of Nuclear Physics,  
Ed.: T. Kodama *et al*, p. 229, (1992) (World Scientific, Singapore).

- 2). Quantum correlation dynamics and relativistic transport equations for hadronic matter  
Shun-Jin Wang, **Bao-An Li**, Wolfgang Bauer and Jörgen Randrup,  
Proceedings of the international symposium on heavy-ion physics and application,  
Eds. W.Q. Shen, Y.X. Luo and J.Y. Liu, p.493, (1991) (World Scientific, Singapore).
- 1). Two-temperature pion spectra.  
Wolfgang Bauer, **Bao-An Li**, Shun-Jin Wang and Jörgen Randrup  
Proceedings of the Seventh Winter Workshop on Nuclear Dynamics,  
Eds. W. Bauer and J. Kapusta, p.210, (1992), (World Scientific, Singapore).

## List of talks presented by Bao-An Li

318) **Invited Talk**, Bayesian Inferences of nuclear EOS from heavy-ion reactions, giant resonances and neutron stars  
WORKSHOP ON ADVANCES ON GIANT NUCLEAR MONOPOLE EXCITATIONS AND APPLICATIONS TO MULTI-MESSENGER ASTROPHYSICS, July 11-15, 2022, ECT\*, Trento, Italy

317) **Invited Talk**, Bayesian inference of neutron-rich matter EOS from terrestrial experiments and astrophysical observations  
Workshop on Machine Learning for Nuclear Theory, March 28-April 2, 2022, University of Washington, Seattle, USA

316) **Seminar (online)** Symmetry Energy and Properties of Neutron Stars and Their Collisions, March 16, 2022  
Open Seminar in Frontier in Nuclear Physics, Fudan University, China

315) **Seminar (online)** Symmetry Energy and Properties of Heavy Nuclei and Their Collisions, March 6, 2022  
Open Seminar in Frontier in Nuclear Physics, Fudan University, China

314) **Seminar (online)** Symmetry Energy and Short-Range Correlations in Nuclei and Nuclear Matter, Feb. 17, 2022  
Open Seminar in Frontier in Nuclear Physics, Fudan University, China

313) **Invited Talk (online)**, An overview of the theoretical aspects of isospin effects and EOS in nuclear reactions, International Workshop on Multi-facets of EOS and Clustering, Nov. 23-26, 2021, Caen, France

312) **Invited Talk (online)**, Short-Range Correlation and Nuclear Symmetry Energy, International Symposium on Nuclear Symmetry Energy (NuSym 2021) will be held on September 23-25 and on October 13–15, 2021, Catania, Italy

311) **Invited Talk (online)**, High-density nuclear symmetry energy from neutron star observations, The Modern Physics of Compact Stars and Relativistic Gravity, Sept.27-30, 2021, Yerevan, Armenia

310) **Joint Seminar (online)**, Probing the Equation of State of Super-Dense Matter in Neutron Stars, East-South University of China, Nanjing University and Nanjing University of Aeronautics and Astronautics, Dec. 16, 2020, China

309) **Invited Talk (online)**, Probing the Equation of State of Super-Dense Matter in Neutron Stars, Fall 2020 Meeting of the Texas Section of the American Physical Society, Nov. 13, 2020

308) **Seminar (online)**: Probing the Equation of State of Dense Neutron-Rich Matter with Collisions of Heavy Nuclei and Neutron Stars, Korea C2R2 seminar series, Korea University, Oct. 29, 2020, Korea

304-307) **Colloquium**, Probing the Equation of State of Dense Neutron-Rich Nuclear Matter with Terrestrial Experiments and Astrophysical Observations

1) Shanghai Jiaotong University, Dec. 10, 2019, Shanghai, China

2) Fudan University, Dec. 12, 2019, Shanghai, China

3) Southeast University, Dec. 17, 2019, Nanjing, China

4) Beijing Normal University, Dec. 23, 2019, Beijing, China

303) **Invited talk**, Nuclear Symmetry Energy and Related Issues, International Workshop on “Nuclear Structure and High Energy Nuclear Collisions”, Dec. 13-16, 2019, Huzhou, China

302) **Invited talk**, High-density Symmetry Energies Extracted from Observations of Neutron Stars and Gravitational Waves, Annual Meeting of Shanghai Association of Nuclear and Particle Physics, Dec. 8-9, Shanghai, China

301) **Invited talk**, High-density Symmetry Energies Extracted from Observations of Neutron Stars and Gravitational Waves, The Modern Physics of Compact Stars and Relativistic Gravity, 17-21 September 2019, Yerevan, Armenia

300) **Contributed talk**, Nuclear Symmetry Energies at Supra-saturation Densities Extracted from Observations of Neutron Stars and Gravitational Waves

The 27th International Nuclear Physics Conference (INPC 2019), 29 July- 2 August, 2019, Glasgow, UK.

299) **Colloquium**, Gravitational waves from neutron stars  
Baylor University, Texas, March 6, 2019

- 298) **Invited talk and session chair**, Extracting high-density symmetry energy from astrophysical observations, Xiamen-CUSTIPEN Workshop on the EOS of Dense Neutron-Rich Matter in the Era of Gravitational Waves, Jan. 3-7, 2019, Xiamen, China
- 297) **Colloquium**, probing the Equation of State of super-dense neutron-rich matter with nuclear reactions, neutron stars and gravitational waves, South China University of Technology, Dec. 29, 2019, Guangzhou, China
- 296) **Colloquium**, probing the Equation of State of super-dense neutron-rich matter with nuclear reactions, neutron stars and gravitational waves, The University of Texas at Dallas, Sept. 26, 2018
- 295) **Colloquium**, Nuclear Symmetry Energy and its Astrophysical Impacts, Department of Mathematics, Texas A&M University-Commerce, Sept. 12, 2018
- 294) **Invited Talk**, Advantages for Equation-of-State Studies, 400 MeV/u FRIB Upgrade Workshop, Michigan State University, Aug. 9-11, 2018
- 293) **Invited talk**, What are the theoretical questions regarding the EOS that should be addressed in the next decade, Workshop on the Equation of State, Detroit, June 28, 2018
- 292) **Colloquium**, equation of state of dense neutron-rich matter, Shanghai Jiao Tong University, China, June 19, 2018
- 291) **Colloquium**, equation of state of dense neutron-rich matter, Shanghai Institute of Applied Physics, Chinese Academy of Science, June 15, 2018
- 290) **Invited Talk**, constraining the equation of state of dense neutron-rich matter using gravitational waves, International Workshop on Nuclear Dynamics, Huzhou, China, June 11-14, 2018
- 289) **Colloquium**, equation of state of dense neutron-rich matter, Southeast University, Nanjing, China, June 10, 2018
- 288) **Invited Talk**, matching constraints of the equation of state from terrestrial laboratories and astrophysical observations, Notre Dame-China Symposium on the Structure of Exotic Nuclei, Notre Dame-Beijing Global Gateway, China, June 7-8, 2018
- 287) **Contributed Talk**, Effects of short-range correlation on nuclear equation of state, The 4th international workshop on “State of the Art in Nuclear Cluster Physics”, Galveston Texas, USA, May 13-18, 2018.
- 286) **Contributed Talk**, Matching constraints on the Equation of State of dense neutron-rich matter from terrestrial experiments and astrophysical observations, INT-JINA Symposium on the First multi-messenger observations of a neutron star merger and its implications for nuclear physics, University of Washington, Seattle, March 12 - 14,

2018

285) **Colloquium**, Symmetry Energy and its Astrophysical Impacts, Shanghai Jiao Tong University, China, Dec. 18, 2017

284) **Invited Talk**, Equation of State of Dense Neutron-Rich Matter, Symposium on Nuclear Physics Frontiers, Shanghai, China, Dec. 15, 2017

283) **Invited Talk**, Probing the Symmetry Energy of Dense Neutron-Rich Matter with Heavy-Ion Reactions, Reimei Workshop 2017, Japan Atomic Energy Agency, Tokai, Japan, December 11-13, 2017

282) **Contributed talk**, The role of isospin in nuclear dynamics at Fermi energies, Symposium celebrating 50 years of beam, Cyclotron Institute, Texas A&M University, College Station, Nov. 15-17, 2017

281) **Colloquium**, Symmetry Energy and its Astrophysical Impacts, Beijing Normal University, Oct. 19, 2017

280) **CUSTIPEN Progress Report**, 2<sup>nd</sup> U.S.-China RIB Science Collaboration Meeting, Beijing, China, Oct. 16-18, 2017

279) **Invited talk and discussion leader**, Why is the symmetry energy so uncertain especially at supra-saturation densities?  
Huzhou-CUSTIPEN Workshop on Spectroscopy and Reactions of Exotic Nuclei, Huzhou, China, July 3-9, 2017

274-278) **Colloquium**, Symmetry Energy of Neutron-Rich Matter and its Astrophysical Impacts  
Southern China University of Technology, Guangzhou, China, June 27, 2017  
Xiamen University, Xiamen, China, June 29, 2017  
Zhejiang University of Technology, Hangzhou, China, July 3, 2017  
Xian Jiao Tong University, Xian, China, July 10, 2017  
Institute of Modern Physics, Chinese Academy of Science, Lanzhou, China, July 13, 2017

273) **Invited Review Talk** on symmetry Energy  
International Advisory Committee, Isospin, Structure, Reactions and energy Of Symmetry 2017, Častá-Papiernička, Slovakia, May 14-19, 2017

272) **Seminar**, Nuclear Symmetry Energy and its Astrophysical Impacts  
Returning Researchers Seminar Series, Cyclotron Institute, Texas A&M University, April 20, 2017

271) **Colloquium**, Nuclear Symmetry Energy and its Astrophysical Impacts  
Texas Tech University, April 6, 2017

270) **Invited review talk**, From Earth to Heaven: Symmetry Energy and its Astrophysical Impacts, RESEARCH WORKSHOP OF THE ISRAEL SCIENCE FOUNDATION on the STUDY OF HIGH-DENSITY NUCLEAR MATTER WITH HADRON BEAMS, March 28-31, 2017, Weizmann Institute of Science, Israel

269) **Colloquium**, Nuclear Symmetry Energy and its Astrophysical Impacts  
University of North Texas, Feb. 21, 2017

268) **Session Chair and Invited Speaker**, Proton-skins in momentum space and neutron-skins in coordinate space in heavy nuclei, CUSTIPEN-PKU-IMP Workshop on Physics of Exotic Nuclei, Huizhou, China, Dec. 12-16, 2016

267), **Session Chair and Invited Speaker**, Probing High-density symmetry energy with heavy-ion reactions, International Symposium on Nuclear Dynamics and Thermodynamics in Honor of Prof. Joe Natowitz, Huizhou, China, Dec. 11, 2016

266) **Seminar**, Probing High-density symmetry energy with heavy-ion reactions  
Japan Atomic Energy Agency, Tokai, Japan, Nov. 25, 2016

265) **Invited talk**, Probing High-density symmetry energy with heavy-ion reactions  
International Symposium on Neutron Star Matter (NSMAT2016)-Recent Progress in Observations, Experiments and Theories, Tohoku University, Sendai, Japan, Nov. 20-24, (2016)

264) **Organizer and speaker of the CUSTIPEN Mini-Workshop on nuclear Reactions**,  
Texas A&M Commerce, Commerce, Texas, Nov. 16, 2016

263) **Invited Talk, Nuclear symmetry energy**  
NPCSM 2016: YIPQS long-term and Nishinomiya-Yukawa memorial workshop on "Nuclear Physics, Compact Stars, and Compact Star Mergers 2016",  
Oct.17 (Mon) - Nov.18 (Fri), 2016, YITP, Kyoto, Japan

262) **Seminar**, Proton-skins in momentum space and neutron-skins in coordinate space  
Institute of Nuclear Theory, University of Washington, Seattle, Aug. 5, 2016.

261) **Invited Lecture**, Carpathian Summer School of Physics 2016 Exotic Nuclei and Nuclear/Particle Astrophysics (VI): From Nuclei to Stars.  
Sinaia, Romania, June 26 – July 9, 2016

260) **Colloquium**, Nuclear Symmetry Energy and its Astrophysical Impacts,  
Tsinghua University, Beijing, China, June 16, 2016

259) **Invited Talk**, Proton-skin in momentum and neutron-skin in coordinate,  
6<sup>th</sup> International Symposium on Nuclear Symmetry Energy,  
Beijing China, June 13-17, 2016



258) **Colloquium**, What you can do with a degree in nuclear physics, Zhengzhou University, Zhengzhou, China, May 19, 2016

257) **Invited talk and session chair**, nucleon effective mass in neutron-rich matter International Workshop on Nuclear Dynamics in Heavy-Ion Reactions (IWND2016), Xinxiang, Henan, China, May 15-20<sup>th</sup>, 2016.

256) **Invited talk**, An Overview: Effects of short-range correlation on nuclear symmetry energy International Workshop on “Clusters and Correlations in Nuclei, Nuclear Reactions and Neutron Stars”, Shanghai, China, Dec. 13-18, 2015

255) **Invited talk**, An overview of nuclear symmetry energy, EMMI Workshop: Cold Dense Matter, from short-range correlation to neutron stars, Darmstadt, Germany, Oct. 13-17, 2015

254) **Invited Talk**, Short-range correlations and high-density symmetry energy, International Workshop on “Frontiers of Heavy-Ion Physics”, Shanghai, China, Aug. 14-17, 2015

253) **Colloquium**, Nucleon-nucleon short-range correlation and the equation of state of neutron-rich matter, Shanghai Jiao Tong University, Aug. 13, 2015

252) **Invited talk**, International Workshop on “Properties of Exotic Nuclei and Asymmetric Nuclear Matter”, Lanzhou, China, Aug. 7-12, 2015

251) **Session chair and co-organizer**, International Workshop on “Advances in the Computations of nuclear structure and nucleon-nucleon force”, Beijing, China, Aug. 1-6, 2015

250) **Invited talk**, Delta resonance and symmetry energy in neutron-rich matter **session chair and Member of the International Advisory Committee**, 5<sup>th</sup> International Symposium on Nuclear Symmetry Energy, Krakow, Poland, June 27-July 2, 2015

249) **Chair of a plenary session and member of the International Advisory Committee**, 12<sup>th</sup> International Conference on Nucleus-Nucleus Collisions, Catania, Italy, June 21-26, 2015

248) **Session Chair and Discussion Leader**, 2015 Gordon research Conference in Nuclear Chemistry, Colby Sawyer College, USA, May 31-June 5, 2015

247) **Invited talk and member of the Scientific committee**, Introduction on CUSTIPEN (China-U.S. Theory Institute of Physics with Exotic Nuclei), 1<sup>st</sup> FRIB-China Collaboration meeting, Michigan State University, May 28-30, 2015

246) **Invited talk**, Linking nuclear symmetry energy with neutron-skin and short-range correlation in nuclei, International workshop on Neutron Skins of Nuclei: from laboratory to stars., Mainz Institute of Theoretical Physics, Mainz, Germany, May 4-8, 2015

- 245) **Colloquium**, What we do in nuclear physics and why they are important  
Texas A&M Commerce, Jan. 29, 2015
- 244) **Colloquium**, Probing Properties of Neutron Stars with Terrestrial Nuclear Experiments  
Southern China University, Heng Yang, Jan. 11, 2015
- 243) **Invited Talk**, Critical Issues on Nuclear Symmetry Energy  
CUSTIPEN Topical Workshop on Nuclear Symmetry Energy, Heng Yang, China, Jan. 9-12,  
2015
- 242) **Colloquium**, Probing Properties of Neutron Stars with Terrestrial Nuclear Experiments  
Beijing Normal University, Beijing, China, Jan. 8, 2015
- 241) **Invited Talk**: Effects of short-range correlation on symmetry energy, International  
Symposium on Physics of Unstable Nuclei, Nov. 2-9, 2014, Ho Chi Min City, Vietnam
- 240) **Invited Speaker and Session Chair**, From Earth and Heaven: Probing nuclear  
symmetry energy using terrestrial experiments and astrophysical observations,  
International Workshop on Nuclear Dynamics in Heavy-Ion Reactions, Aug. 15-19, 2014,  
Lanzhou, China
- 239) **Invited Speaker**, Effects of short-range correlation on nuclear symmetry energy,  
PKU-CUSTIPEN Workshop on Direct Reactions, Beijing, China, Aug. 10-14, 2014
- 238) **Co-organizer, speaker and session chair**, Effects of short-range correlation on nuclear  
symmetry energy, International Workshop on Nuclear Symmetry Energy, Liverpool, UK,  
July 7-9, 2014
- 237) **Colloquium**, Probing the Equation of Neutron-rich matter  
University of Texas at El Paso, May 14, 2014
- 236) **Contributed Talk**, Constraining neutron-proton effective mass splitting and density  
dependence of nuclear symmetry energy using heavy-ion collisions  
APS Annual Meeting, Savannah, Georgia, April 5-8, 2014
- 235) **Invited Talk**, New Challenges in Isospin Physics,  
Review of the Korean RISP Project and Workshop on Nuclear Symmetry Energy  
Institute of Basic Research, Daejeon, Korea, March 29-April 2, 2014
- 234) **Session chair and Invited Review Talk**, Isospin Transport in Heavy-Ion Reactions,  
International Workshop on Simulations of Low and Intermediate Energy Heavy Ion  
Collisions, Shanghai, China, January 8-12, 2014

233) **Colloquium**, Probing the equation of state of neutron-rich matter with heavy-ion reactions and astrophysical observations, Institute of Modern Physics, Chinese Academy of Sciences, Lanzhou, Jan. 7, 2014

232) **Colloquium**, Probing the equation of state of neutron-rich matter with heavy-ion reactions and astrophysical observations, Peking University, Beijing, Dec. 30, 2013

231) **Session chair and speaker**, High-Density symmetry energy, non-Newtonian gravity and the structure of neutron stars,  
27<sup>th</sup> Texas Symposium on Relativistic Astrophysics, Dallas, Texas, Dec. 8-13, 2013

230) **Invited Talk**, Probing Nuclear symmetry Energy with Nuclear Reactions  
XVIII Colloque Ganil, Normandy, France, Sept. 23-27, 2013

229) **Session Chair and Speaker**, A Brief Overview: Probing Nuclear symmetry Energy with Nuclear Reactions  
International Workshop on Nuclear Dynamics and Thermodynamics, College Station, Texas, USA, Aug. 19-22, 2013

228) **Session Chair and Summary Talk**, third International Symposium on Nuclear Symmetry Energy, Michigan State University, East Lansing, USA, July 22-26, 2013

227) **Session Chair**, 24<sup>th</sup> International Nuclear Physics Conference, Florence, Italy, June 2-7, 2013

226) **Session Chair and Invited talk**, Introduction to CUSTIPEN,  
CUSTIPEN Workshop on Properties of Rare Isotopes, Neutron-Rich Nuclei and Their Astrophysical Impacts, Peking University, China, May 8-9, 2013

225) **Invited talk**, Nuclear symmetry energy and neutron-proton effective mass splitting in neutron-rich matter,  
Calcium Radius Experiment (CREX) Workshop at Jefferson Lab, Thomas Jefferson National Accelerator Facility, Newport News, VA, USA, March 17-19, 2013

224) **Invited talk and session chair**, Nuclear Symmetry Energy and its Astrophysical Impacts  
3<sup>rd</sup> International Workshop on Nuclear Dynamics in Heavy-Ion Reactions, Shenzhen, China, Dec. 16-19, 2012

223) **Colloquium**, Impacts of high-density symmetry energy on properties of neutron stars and gravitational waves  
Institute of Modern Physics, Chinese Academy of Science, Dec. 11, 2012

222) **Colloquium**, Probing the Equation of State of Neutron-Rich Nuclear Matter with Terrestrial Nuclear Experiments  
Nankai University, TianJin, China, Aug. 20, 2012

- 221) **Colloquium**, Probing the Equation of State of Neutron-Rich Nuclear Matter with Terrestrial Nuclear Experiments  
Southeast University, Nanjing, China, Aug. 14, 2012
- 220) **Colloquium**, Probing the Equation of State of Neutron-Rich Nuclear Matter with Terrestrial Nuclear Experiments  
Shanghai Jiao Tong University, China, Aug. 13, 2012
- 219) **Session chair and Invited Lecturer**, International Summer School “Dynamics of Open Systems”, Predeal, Romania, July 9-20, 2012
- 218) **Colloquium**, From Earth to Heaven: Constraining Properties of Neutron Stars with Terrestrial Nuclear Reactions, Baylor University, Waco, Texas, Jan. 11, 2012
- 217) **Colloquium**, what can you do with a degree in nuclear physics, Lanzhou University, Lanzhou, China, Dec. 27, 2011
- 216) **Colloquium**, Recent progress and new challenges in constraining the density dependence of nuclear symmetry energy, Institute of Modern Physics, Chinese Academy of Science, Dec. 27, 2011
- 215) **Colloquium**, what can you do with a degree in nuclear physics, Xian Jiao Tong University, Xian, China, Dec. 22, 2011
- 214) **Colloquium**, Recent progress and new challenges in constraining nuclear symmetry energy, Guangxi Normal University, Guilin, China, Dec. 20, 2011
- 213) **Colloquium**, what can you do with a degree in nuclear physics, Guangxi Normal University, Guilin, China, Dec. 19, 2011
- 212) **Invited Talk**, Recent progress and new challenges in constraining nuclear symmetry energy, Topical Workshop on Symmetry Energy and Neutron Stars, Guangzhou, China, Dec. 16-18, 2011
- 211) **Colloquium**, From earth to heaven: constraining properties of neutron stars with terrestrial nuclear reactions, South China University of Technology, China, Dec. 15, 2011
- 210) **Invited talk**, International Symposium on Physics of Unstable Nuclei, Hanoi, Vietnam, Nov. 21-28, 2011
- 209) **Colloquium**, Transport theory for nuclear reactions, Department of Math, Texas A&M University-Commerce, Oct. 19, 2011
- 208) **Colloquium**, A few new issues regarding the density dependence of nuclear symmetry energy, Cyclotron Institute, Texas A&M University, Aug. 23, 2011

- 207) **Invited talk**, Probing the Equation of State of Neutron-Rich Matter with Rare Isotopes, ANL/INT/JINA/MSU annual FRIB (Facility for Rare Isotope Beams) workshop, Seattle, WA, Aug. 8-15, 2011
- 206) **Invited review talk**, Theoretical Overview of Symmetry Energy, 2<sup>nd</sup> International Symposium on Nuclear Symmetry Energy, Smith College, MA, June 18-21, 2011
- 205) **Discussion leader and coordinator**, 2011 Gordon Research Conference in Nuclear Chemistry, Colby Sawyer College, NH, June 12-17, 2011
- 204) **Invited talk**, Determining nuclear symmetry energy with nuclear reactions, Francis P. Garvin-John M. Olin Symposium in Honor of Sherry Yennello, the 241<sup>st</sup> National Meeting of the ACS, Anaheim California from March 27-31, 2011
- 203) **Colloquium**, Constraining the EOS of neutron-rich matter with heavy-ion reactions, Department of Physics and Astronomy, Texas A&M University-Commerce, Jan. 20, 2011
- 202) **Colloquium**, Constraining the EOS of neutron-rich matter with heavy-ion reactions University of Notre Dame, Jan. 19, 2011
- 201) **Seminar**, Probing the Equation of State of Dense Neutron-Rich Matter, Qinghua University, Beijing, China, Dec. 23, 2010
- 200) **Seminar**, Probing the Equation of State of Dense Neutron-Rich Matter, Peking University, Beijing, China, Dec. 22, 2010
- 199) **Session chair and invited speaker**, Topical Workshop on Nuclear Symmetry Energy and Astrophysics, Xian, China, Dec. 17-19, 2010
- 198) **Invited talk**, Probing the Equation of State of Neutron-Rich Matter and its Astrophysical Impacts with Terrestrial Laboratory Experiments, Pan-American Advanced Studies Institute on Rare Isotopes, Joao Pessoa, Brazil, August 1-13, 2010
- 197) **Session Chair and Invited Speaker**, Symmetry energy and astrophysics, International Symposium on Nuclear Symmetry Energy, RIKEN Nishina Center, Wako, Japan, July 26-28, 2010.
- 196) **Seminar**, Nuclear Astrophysics, Lanzhou University, Lanzhou, China, July 22, 2010
- 195) **Colloquium**, From Earth to Heaven: Probing Properties of Neutron Stars with Terrestrial Laboratory Data, Institute of Modern Physics, Lanzhou, China, July 21, 2010
- 194) **Seminar**, Nuclear Astrophysics, Xian Jiao Tong University, China, July 20, 2010

193) **Colloquium**, From Earth to Heaven: Probing Properties of Neutron Stars with Terrestrial Laboratory Data, Xian Jiao Tong University, Xian, China, July 19, 2010

192) **Colloquium**, From Earth to Heaven: Probing Properties of Neutron Stars with Terrestrial Laboratory Data, Beijing Normal University, Beijing, China, July 13, 2010

191) **Invited talk**, Imprints of Nuclear Symmetry Energy on Astrophysical Observables, International Nuclear Physics Conference 2010, Vancouver, Canada, July 4-9, 2010.

190) **Colloquium**, From Earth to Heaven: Probing Properties of Neutron Stars with Terrestrial Laboratory Data  
LeTourneau University, Longview, Texas, USA, April 22, 2010.

189) **Colloquium**, From Earth to Heaven: Probing Properties of Neutron Stars with Terrestrial Laboratory Data  
New Mexico State University, Las Cruces, New Mexico, USA, Feb. 18, 2010

188) **Contributed Talk**: Probing the Equation of State of Neutron-Rich Nuclear Matter with Heavy-Ion Reactions.  
The 26<sup>th</sup> Winter Workshop on Nuclear Dynamics, Ocho Rios, Jamaica, Jan. 2-9, 2010.

187) **Nuclear Physics Seminar**, The Equation of State of Neutron-Rich Nuclear Matter,  
The Ohio State University, Columbus, OH, Nov. 19, 2009

186) **Session Chair and Invited Talk**, Why is the symmetry energy so uncertain at supra-saturation densities  
The European Science Foundation Exploration Work on High Density Symmetry Energy, Zagreb, Croatia, Oct. 14-19, 2009

185) **Invited 5-hour lectures on isospin physics** at the World Class University Program,  
Hanyang University, Seoul, Korea, Oct. 3-11, 2009

184) **Colloquium**, The equation of state of neutron-rich nuclear matter and its impacts on astrophysics and cosmology, Texas A&M University-Commerce, Sept. 3, 2009

183) **Session Chair and Invited Talk**, Imprints of nuclear symmetry energy on gravitational waves  
International Workshop on Nuclear Reaction Dynamics and the Symmetry Energy, Shanghai, China, Aug. 22-25, 2009

182) **Session chair and Plenary Invited talk**, 10<sup>th</sup> International Conference on Nucleus-Nucleus Collisions, Beijing, China, Aug. 16-21, 2009.

181) **Invited Talk**, International Workshop on the EOS of Neutron-Rich Matter, European Center of Theoretical Physics, Trento, Italy, Aug. 3-7, 2009

- 180) **Co-organizer and invited speaker**, Super-heavy nuclei in relativistic mean field models, Kavli Institute of Theoretical Physics, Beijing, China, June 6-20, 2009
- 179) **Selected contribution for oral presentation**,  
Probing properties of neutron stars with heavy-ion reactions,  
International Workshop XXXVII on Gross Properties of Nuclei and Nuclear Excitations  
Hirschegg, Kleinwalsertal, Austria, January 18 - 24, 2009.
- 178) **Seminar**, Probing the EOS of neutron-rich matter with heavy-ion reactions  
Cyclotron Institute, Texas A&M University, College Station, Dec. 5, 2008
- 177) **Invited talk**, Probing the EOS of neutron-rich matter with heavy-ion reactions  
The Fifth ANL/INT/MSU/JINA FRIB Theory Workshop “Bulk Nuclear Properties”  
Michigan State University, November 19-22, 2008.
- 176) **Invited lecture**, Probing properties of neutron stars with terrestrial nuclear reactions  
NSF/Step program and Science Club, Eastfielf College, Mesquite, Texas, Sept. 24, 2008
- 175) **Seminar**, Experimental constraints on the symmetry energy and their impacts on  
astrophysics, National Superconducting Cyclotron Laboratory, Sept. 10, 2008
- 174) **Invited Talk**, Constraining the nuclear symmetry energy and its astrophysical impacts,  
International Workshop on the HIRFL-CSR Physics, July 4-8, 2008, Lanzhou, China
- 171-173) **Seminars**, Constraining the nuclear symmetry energy and its astrophysical impacts  
1) June 30, 2008, Shanghai JiaoTung University  
2) July 1, 2008, Shanghai Institute of Applied Physics, Chinese Academy of Science  
3) July 18, 2008 Tsinghua University, Beijing
- 170) **Invited Talk**, Constraining the symmetry energy and its impact on astrophysics  
with heavy-ion reactions,  
Gordon Research Conference in Nuclear Chemistry,  
June 15-20, 2008, New London, NH, USA
- 169) **Seminar for Texas region 8 high school science teachers**  
A frontier in nuclear astrophysics, June 10, 2008, Commerce, Texas
- 168) **Invited Talk**, Constraining the EOS of Neutron-Rich Nuclear Matter with  
Heavy-Ion Reactions  
International Workshop on Asymmetric Equation of State of Nuclear Matter,  
May 28-30, 2008, Catania, Italy
- 167) **Invited talk**, Symmetry Energy and Astrophysics  
24<sup>th</sup> International Workshop on Nuclear Dynamics, April 5-12, 2008, South Padre Island,  
TX, USA
- 166) **Contributed talk**, Differential Isospin Fractionation in Neutron-Rich Matter

Annual Meeting of the Division of Nuclear Physics, American Physical Society, Oct. 10-13, 2007, Newport News, Virginia.

- 165) **Invited talk**, Impacts of Symmetry Energy on Astrophysics  
Symposium on Nuclear Structure and Reactions in the Era of Radioactive Beams, 234<sup>th</sup> American Chemical Society National Meeting, Aug. 19-23, 2007, Boston.
- 160-164) **Seminars**
- 1) Recent Progress in Isospin Physics, June 18, 2007, Beijing Normal University
  - 2) Equation of State of Dense Neutron-Rich Matter, June 20, 2007, Institute of Modern Physics, Chinese Academy of Sciences, Lanzhou
  - 3) Equation of State of Dense Neutron-Rich Matter, June 21, 2007, Lanzhou University
  - 4) Constraining properties of neutron stars with heavy-ion reactions, June 22, 2007 Northwest Normal University
  - 5) Constraining properties of neutron stars with heavy-ion reactions, June 26, 2007 Shanghai Jiao-Tung University
- 159) **Selected contribution for oral presentation**, Isospin dependence of the nuclear Equation of State  
International Conference on “Nuclear Structure: New Pictures in the Extended Isospin Space”, Kyoto, Japan, June 11-14, 2007
- 158) **Selected contribution for oral presentation**, Constraining properties of neutron stars with heavy-ion reactions,  
International Workshop on “Nuclear Physics in Astrophysics III”, Dresden, Germany, March 25-31, 2007
- 157) **Seminar**, Nuclear Astrophysics  
Science Club, Eastfield College, Dallas, Texas, March 7, 2007
- 156) **Invited talk**, physics challenges in studies of dense matter  
2007 Town Meeting for the NSAC Long Range Plan for Nuclear Physics, Chicago, Jan. 19-21, 2007.
- 155) **Invited talk**, Probing the EOS of neutron-rich matter with heavy-ion reactions  
In Heaven and On Earth 2006: The Nuclear Equation of State in Astrophysics  
July 5-7, 2006, Montreal, Canada
- 154) **Ganil-LPC joint colloquium**, experimental probes of the symmetry energy  
Caen, France, June 27, 2006.
- 152-153) **Colloquia**, constraining properties of neutron stars with terrestrial nuclear reactions
- (1) Institute of Nuclear Physics, Orsay, France, June 19, 2006
  - (2) Ganil-LPC joint colloquium, Caen, France, June 23, 2006



- 151) **Invited talk**, Isospin dynamics in heavy-ion reactions  
2006 Gordon research conference in nuclear chemistry  
June 4-9, 2006, Colby-Sawyer College, NH, USA
- 150) **Invited Talk**, Constraining properties of neutron stars with terrestrial nuclear reactions  
6<sup>th</sup> China-Japan Joint Nuclear Physics Symposium, Shanghai, May 15-20, 2006
- 149) **Seminar**, Recent Progress in Isospin Physics  
Institute of Modern Physics, Chinese Academy of Science, May 11, 2006.
- 146-148) **Seminars**, constraining the radii of neutron stars with nuclear reactions in terrestrial labs  
(1) China Institute of Atomic Energy, Beijing, May 8, 2006  
(2) Northwest Normal University, Lanzhou, May 10, 2006  
(3) Lanzhou University, May 12, 2006
- 145) **Contributed talk**, Temperature and density dependence of the symmetry energy of hot neutron-rich matter and the isoscaling phenomenon in nuclear reactions  
Mini-symposium on nuclear matter at abnormal densities, APS meeting, April 22-25, 2006, Dallas, TX.
- 144) **Contributed talk**, neutron stars and the nuclear equation of state  
14<sup>th</sup> annual Arkansas Space Grant Symposium, Arkansas Tech University, USA
- 143) **Colloquium**, From Earth to Heaven: constraining the radii of neutron stars using terrestrial nuclear reactions  
April 11, 2006, Texas A&M University-Commerce, Texas, USA
- 142) **6 invited lectures** at the 2006 India National School of Nuclear Physics  
March 21-25, 2006, Kolkata, India
- 141) **Colloquium**, EOS of Neutron-Rich Matter and Heavy-Ion Reactions  
March 20, 2006, Tata Institute for Fundamental Research, Bumbai, India
- 140) **Colloquium**, In heaven and on earth: constraining the radii of neutron stars with terrestrial nuclear laboratory data, March 2, 2006, University of Idaho, USA
- 139) Probing the Equation of State of neutron stars with nuclear reactions induced by radioactive beams in terrestrial labs  
**Colloquium**, Jan. 25, 2006, University of Texas at Arlington, Texas, USA
- 138) Probing the Equation of State of neutron-rich matter with heavy-ion reactions  
**Invited talk**, The XXIX Symposium on Nuclear Physics,  
Cocoyoc, Morelos, Mexico, Jan. 3-6, 2006
- 137) Constraining the radii of neutron stars with terrestrial nuclear laboratory data

**Nuclear theory Seminar**, Dec. 16, 2005, Texas A&M University, College Station, USA

136) Simulation as the third branch of science

**One of the 2 panelists at the panel discussion on transport models for nuclear reactions**

International Workshop on Multifragmentation

Nov. 28-Dec. 2, 2005, Catania, Italy

135) Isospin dynamics in heavy-ion reaction

**Invited talk**, International Workshop on Multifragmentation

Nov. 28-Dec. 2, 2005, Catania, Italy

134) Probing the Equation of State of Neutron Stars in Terrestrial Laboratories

**Colloquium**, Nov. 4, 2005, NASA-NSSTC (National Space Science and Technology Center)

Huntsville, Alabama, USA

133) Progress and future directions of nuclear reactions

**Invited review talk**, Users workshop of the National Superconducting Cyclotron Laboratory,  
Aug. 18-21, 2005, Michigan State University, USA

132) Incompressibility of neutron-Rich matter

**Invited talk**, International Workshop on Nuclear Incompressibility and Equation of State  
Joint Institute of Nuclear Astrophysics, University of Notre Dame, July 13-16, 2005.

131) EOS of neutron-rich matter and heavy-ion collisions

**Seminar**, July 8, Shanghai Institute of Applied Physics, Shanghai, China

130) EOS of neutron-rich matter and heavy-ion collisions

**79<sup>th</sup> lecture of physics frontiers**, Shanghai JiaoTung University, July 7, 2005, China

129) Transport theory for nuclear reactions

**Seminar**, Institute of Modern Physics, Chinese Academy of Science,  
Lanzhou, China, July 5, 2005.

128) Progress in isospin physics

**Invited talk**, International workshop on Hadron Physics,  
June 29-July 4, 2005, Lanzhou, China.

127) Nuclear astrophysics and heavy-ion reactions

**Seminar**, June 28, 2005, Xian Jiao Tung University, Xian, China

126) Equation of State of neutron-rich matter

**Session chair and Invited talk**, International Summer School and Workshop on  
Relativistic Heavy-Ion Collisions, June 20-24, 2005, Wuhan, China.

125) Determining the symmetry energy at high densities with high energy heavy-ion collisions

**Invited review talk**, International Workshop on Relativistic Heavy-Ion Collisions, May 25-29, 2005, Split, Croatia

- 124) Determining the symmetry energy at high densities with high energy heavy-ion collisions  
**Invited talk**, May 22-24, 2005, Gribov-75 Memorial Workshop on Quarks, Hadrons and Strong Interactions, Budapest, Hungary.
- 123) Probing the equation of state of neutron-rich matter with radioactive beams  
**Selected contribution for oral presentation:** Nuclear Physics in Astrophysics II, May 16-20, 2005, Debrecen, Hungary
- 122) Next Steps in determining the symmetry energy  
**Organizer and discussion leader**, Workshop on Nuclear Equation of State for Nuclei, Neutron Stars and Supernovae, Arkansas State University, April 14, USA
- 121) Transport theory for nuclear reactions with radioactive beams  
**Invited talk**, 2<sup>nd</sup> Argonne/MSU/INT/JINA Joint RIA Workshop March 9-12, 2005, East Lansing, Michigan, USA
- 120) Probing the equation of state of neutron-rich matter  
**Seminar**, Lawrence Livermore National Laboratory, Feb. 21, 2005, Livermore, California, USA
- 119) Overview of isospin physics  
**Session chair and invited review talk**, World consensus initiatives in intermediate energy heavy-ion physics, Feb. 12-16, 2005, College Station, Texas, USA
- 118) Probing the equation of state of neutron-rich matter at RIA (Rare Isotope Accelerator)  
**Session chair and invited speaker**, Winter Workshop on Nuclear Dynamics, Feb. 5-12, 2005, Beaver Run Resort, Breckenridge, Colorado, USA
- 117) Probing the isospin, density and momentum dependence of nuclear effective interactions with central reactions at RIA  
**Contributed talk**, RIA Theory Workshop, Chicago, Oct. 31, 2004.
- 116) **Contributed talk**, Determination of the symmetry energy from heavy-ion collisions  
Annual meeting of the Division of Nuclear Physics, American Physical Society, Chicago, Oct. 27-30, 2004.
- 115) **Invited talk**, Nuclear Equation of State for Astrophysics Models  
228th National American Chemical Society Meeting, Philadelphia, Pennsylvania, USA, August 22-26, 2004.
- 114) **Co-Chair of the Conference and Panelist in the panel “What are the best strategies to learn about the symmetry energy? What have we learned already”**,  
2004 Gordon Conference in Nuclear Chemistry, June 13-18, 2004, Colby-Sawyer

College, New London, NH, USA

113) **Seminar**, Isospin Physics: A New Frontier in Nuclear Sciences  
Peking University, May 17, 2004, Beijing, China.

111-112) **Seminar**, New Physics Opportunities with Radioactive Beams

- 1) Institute of Modern Physics, Chinese Academy of Science, Lanzhou, May 13, 2004.
- 2) Institute of Theoretical Physics, Lanzhou University, Lanzhou, May 14, 2004

110) **Invited talk**, Prospects and Challenges of Isospin Physics

International Workshop on Nuclear Physics, May 8-12, Shanghai, China

107-109) **Session chair and invited speaker**,

- (1) An overview of open questions in isospin physics
  - (2) Non-equilibrium in heavy-ion collisions at intermediate energies
  - (3) isovector part of nucleon effective mass in neutron-rich matter
- International Conference on Dynamics and Thermodynamics with Nucleonic Degrees of Freedom, Jan. 19-24, 2004, Catania, Italy

106) New physics opportunities at the Rare Isotope Accelerator

**Seminar**, Argonne National Laboratory, Chicago, Dec. 18, 2003, USA

105) Central Collisions at the Rare Isotope Accelerator

**Invited talk**, RIA Theory Workshop, Nov. 1-3, 2003, Westward Look Resort, Arizona, USA

104-102) Probing the equation of state of dense neutron-rich matter with high energy radioactive beams

- (1) **Contributed talk**, American Physical Society meeting, Oct. 30-Nov. 1, 2003, Tucson, Arizona, USA
- (2) **Session chair and invited speaker**, International Workshop on Topics in Heavy-Ion Collisions 03, June 24-29, 2003, Montreal, Canada
- (3) **Invited talk**, VIII International Conference on Nucleus-Nucleus Collisions, June 15-22, Moscow, Russia

101) Equation of State of Dense Asymmetric Nuclear Matter

**Contributed talk**, 87<sup>th</sup> Arkansas Academy of Science Annual Meeting, April 4-5, 2003, Fayetteville, Arkansas, USA

109-100) Probing the high density behavior of nuclear symmetry energy with high-energy radioactive beams

- (1) **Seminar**, Dec. 23, 2002, Tsinghua University, Beijing, China.
- (2) **Seminar**, Dec. 16, 2002, Institute of Modern Physics, Chinese Academy of Science.
- (3) **Seminar**, Dec. 13, 2002, Nanjing University, Nanjing, China.
- (4) **Seminar**, Dec. 12, 2002, China East Normal University, Shanghai, China.
- (5) **Seminar**, Dec. 11, 2002, Shanghai Institute of Nuclear Research, Chinese Academy of science.
- (6) **Invited Talk**, International Symposium on Physics of Unstable Nuclei, Nov. 20-25, Ha Long Bay, Vietnam.

- (7) **Contributed Talk**, 2002 Fall Meeting of the Division of Nuclear physics of APS, Oct. 9-12, East Lansing, Michigan, USA.
- (8) **Invited Review Talk**, International Workshop on Reaction Theory with Radioactive Beams, Sept. 16-20, Seattle, Washington, USA
- (9) **Invited Talk**, Symposium on Nuclei and Nuclear Matter at the Limits of Stability, Aug. 18-22, 2002, 224th ACS National Meeting, Boston, USA
- (10) **Contributed Talk**, 86th Annual Meeting of the Arkansas Academy of Science, University of Arkansas at Little Rock, April 5-6, 2002, Arkansas, USA.
- 99). Isospin-dependence of nuclear equation of state and Heavy-ion collisions at intermediate energies  
**Seminar**, Dec. 19, 2002, Center for Nuclear Theory, National Laboratory of Heavy-Ion accelerators, Lanzhou, China.
- 98). Isospin effects as probes of the equation of state of neutron-rich matter  
**Invited Talk**, Gordon Research Conference of Nuclear Sciences, June 16-20, 2002, New London, New Hampshire, USA.
- 97-94). Probing the EOS of neutron-rich matter
- (1) **Coloquium**, June 11, 2002, Texas A&M University, Texas, USA.
  - (2) **Seminar**, May 16, 2002, McGill University, Montreal, Canada.
  - (3) **Seminar**, May 7, 2002, University of Rochester, Rochester, New York, USA.
  - (4) **Invited Talk**, International Conference on Nuclear Reactions, July 13-18, 2001, Beijing, China
- 93). Chemical and mechanical instabilities in neutron-rich matter  
**Contributed Talk**, 86th Annual meeting of the Arkansas Academy of Science, University of Arkansas at Little Rock, April 5-6, 2002, Arkansas, USA.
- 92) Probing symmetry energy at high densities  
**Invited Talk**, International Workshop on Heavy-Ion Reactions and Matter under Extreme Conditions, Nov. 14-18, 2001, National Superconducting Laboratory, East Lansing, Michigan, USA,
- 91). Chemical and Mechanical Instability in Neutron-Rich Matter  
**Seminar**, July 19, 2001, Institute of Modern Physics, Chinese Academy of Science, Lanzhou, China
- 90). Formation of superdense matter in relativistic heavy-ion collisions  
**Seminar**, July 20, 2001, Center for Theoretical Nuclear Physics, Chinese Academy of Sciences.
- 89). New physics opportunities with radioactive beams  
**Seminar**, July 23, 2001, National Laboratory of heavy-Ion Accelerators, Lanzhou, China
- 88-84). Uranium-on-uranium collisions at relativistic energies
- (1) **Seminar**, Oct. 6, 2000, Cyclotron Institute, Texas A&M University, USA
  - (2) **Invited Talk**, GSI Workshop on its Future Facility, Oct. 18-21, 2000, Darmstadt, Germany
  - (3) **Invited Talk**, Bologna2000: Structure of the Nucleus at the Dawn of the Century, May 29-June 3, 2000, Bologna, Italy.

- (4) **Contributed Talk**, 85<sup>th</sup> Annual Meeting of the Arkansas Academy of Science, April 13-14, 2000, Conway, Arkansas, USA.
- (5) **Contributed Talk**, Division of Nuclear Physics of American Physical Society Fall Meeting, Oct. 20-23, 1999, Asilomar, California, USA.
- 83). Isospin effects in nuclear multifragmentation  
**Invited Talk**, Symposium on Critical Issues/Questions in Nuclear Dynamics, 221 National Meeting of the American Chemical Society, April 1-5, 2001, San Diego, USA
- 82). Future directions of nuclear chemistry and physics  
**Panelist**, Symposium on Critical Issues/Questions in Nuclear Dynamics, 221 National Meeting of the American Chemical Society, April 1-5, 2001, San Diego, USA
- 81-78). Isospin-dependence of the nuclear equation of state
- (1) **Invited Talk**, Symposium on Physics with Radioactive Beams, Pacific Chem2000 Congress, Dec. 16-20, 2000, Honolulu, Hawaii, USA
- (2) **Seminar**, Nov. 30, 2000, University of Minnesota, Minneapolis, USA.
- (3) **Invited Talk**, Nuclear Physics Long Range Plan Town Meeting, Nov. 9-12, 2000, Oakland, California, USA
- (4) **Seminar**, April 19, 2000, Michigan State University, East Lansing, Michigan, USA
- 77) Frontiers in astronomy  
Video taped interview, **March 27, 2000, the Astronomy Club of Marmaduke High School, Arkansas, USA.**
- 76). Quark-Gluon Plasma and the early universe  
**Invited Talk**, Jonesboro High School, Nov., 1, 2000, Jonesboro, Arkansas, USA
- 75). New physics opportunities with the rare isotope accelerator  
**Invited Talk**, RIA (Rare Isotope Accelerator) 2000 Workshop July 24-26, 2000, Research Triangle Park, North Carolina, USA
- 74). Excitation function of elliptic flow in relativistic heavy-ion collisions  
**Selected contribution**, Seventh International Conference on Nucleus-Nucleus Collisions, July 3-7, 2000, Strasbourg, France
- 73). Towards the Frontiers of Nuclear Sciences  
**Panelist**, 2000 Gordon Research Conference on Nuclear Chemistry, June 18-23, 2000, New London, New Hampshire, USA
- 72) J/psi suppression in ultra-relativistic heavy-ion collisions  
**Invited Talk**, International Conference on Open Standard Codes and Routines (OSCAR) for Relativistic Heavy-Ion Collisions, June 6-15, 2000, Nantes, France.
- 71). Chemical instability in neutron-rich matter  
**Invited Talk**, Third International Conferences on Phase Transitions in Strong Interactions,

May 22-26, 2000, Acicastello, Italy

- 70). Isospin physics in heavy-ion collisions  
**Colloquium**, May 17, 2000, Texas A&M University, College Station, Texas, USA
- 69). Probing the isospin-dependence of the nuclear EOS using radioactive beams  
**Invited Talk**, International Workshop on New Physics Opportunities at HIRFL-CSR, Aug. 11-13, 1999, Beijing, China.
- 68). Frontiers of Nuclear Physics  
**A Series of 5 Invited Lectures**, China Center of Advance Science and Technology, Aug. 9-11, 1999, Beijing, China.
- 67). ART: A relativistic transport model for RHIC  
**Invited Talk**, International Workshop on Predictions for RHIC July 8-16, 1999, Brookhaven National Laboratory, New York, USA
- 66). A Multi-phase transport model for RHIC  
**Selected contribution**, Quark Matter'99, May 10-15, 1999, Turin, Italy.
- 65). Excitation function of collective flow in relativistic heavy-ion collisions  
**Contributed Talk**, Relativistic Heavy Ion Mini-symposium C: Flow, American Physical Society Meeting, March 20-26, 1999, Atlanta, USA.
- 64). Science of colliding two gold nuclei at relativistic energies  
**Sigama Xi Seminar**, Feb. 18, 1999, Arkansas State University, Jonesboro, Arkansas, USA
- 63). Isospin physics in heavy-ion collisions  
**Selected contribution**, International Nuclear Physics Conference, August 24-28, 1998, Paris, France
- 62). Teaching science with multimedia technologies  
**Colloquium**, April 20, 1998, Fayetteville State University, North Carolina, USA
- 61). Isospin-dependent nuclear EOS and collisions of neutron-rich nuclei  
**Invited talk**, International Workshop on isospin dynamics, Oct. 16-19, 1997, Catania, Italy
- 60). Nuclear reactions with radioactive beams  
**Seminar**, Sept. 25, 1997, Shanghai Institute of Nuclear Research, P.R. China
- 50). Isospin Physics in Nuclear reactions  
**Seminar**, Sept. 22, 1997, China Institute of Atomic Energy, Beijing, P.R. China
- 49). A Relativistic Transport Model for Heavy-ion Collisions  
**Seminar**, Sept. 22, 1997, China Institute of Atomic Energy, Beijing, P.R. China
- 48). Relativistic Heavy-Ion Collisions

**A series of 5 invited lectures,**

Sept. 15-19, 1997, Institute of Modern Physics, Chinese Academy of Science

- 47). Isospin physics in heavy-ion collisions at intermediate energies  
**Invited talk**, International Workshop on radioactive ion beam physics  
Sept. 8-12, 1997, Lanzhou, P.R. China.
- 46). Introduction to OSCAR: Open Standard Codes and Routines  
**Seminar**, July 3, 1997, Cyclotron Institute, Texas A&M University, USA.
- 45). Final state of relativistic heavy-ion collisions  
**Invited talk**, Workshop on open standards of parton cascade models  
June 22-28, 1997, Brookhaven National Laboratory, New York, USA.
- 44). Excitation functions of stopping power and flow in relativistic heavy-ion collisions  
**Selected contribution**, at 6th International Conference on Nucleus-Nucleus Collisions,  
June 1-6, 1997, Gatlinburg, Tennessee, USA.
- 43). Isospin dependence of nuclear equation of state and collisions of neutron-rich nuclei  
**Colloquium**, March 4, 1997, Cyclotron Institute, Texas A&M University, USA.
- 42). Isospin physics in heavy-ion collisions  
**Invited talk**, 13th Winter Workshop on Nuclear Dynamics, Feb. 1-8, 1997, Marathon, Florida, USA.
- 41). Excitation functions in central Au+Au collisions from Bevalac to AGS  
**Invited talk**, Heavy-ion Physics at AGS, Aug. 22-24, 1996, Detroit, Michigan, USA.
- 40). Intermediate energy heavy-ion physics with radioactive beams  
**One of six panelists**, Workshop on Heavy-ion Collisions at Intermediate Energies  
July 12-13, 1996, National Superconducting Cyclotron Laboratory, East Lansing,  
Michigan, USA
- 39). Excitation functions in heavy-ion collisions from Bevalac/SIS to AGS  
**Invited talk**, The 12th Winter Workshop on Nuclear Dynamics,  
Feb. 3-10, 1996, Snowbird, Utah, USA
- 38). Colliding gold on gold to make Quark-Gluon-Plasma  
**Seminar**, January 31, 1996, Cyclotron Institute, Texas A&M University, USA
- 37). Formation of superdense hadronic matter in high energy heavy-ion collisions  
**Invited talk**, Symposium on Hot and Expanded Nuclear Matter Aug 21-24, 1995,  
Division of nuclear chemistry and technology, 210th American Chemical Society  
National Meeting, Chicago, USA
- 36). Isospin effects in heavy-ion collisions at intermediate energies  
**Invited talk**, Interactive Workshop on Reaction Dynamics in Heavy-ion



Collisions, Aug. 16-17, 1995, Texas A&M University, USA

- 35). Pionic processes in superdense hadronic matter  
**Invited talk**, Workshop on Pionic Processes and Transport in Hadronic Matter, July 23-28, 1995, Los Alamos National Laboratory, USA
- 34). Formation of superdense hadronic matter in relativistic heavy-ion collisions  
**Seminar**, June 19, 1995, Michigan State University, USA
- 33). Several effects of nuclear incompressibility in heavy-ion collisions  
**Invited talk**, Interactive Workshop on Nuclear Incompressibility and Giant Monopole Resonance, May 15-17, 1995, Texas A&M University, USA
- 32). A relativistic transport model for AGS  
**Colloquium**, Feb. 21, 1995, Cyclotron Institute, Texas A&M University, USA
- 31). Collective flow in heavy-ion collisions at AGS energies: a general view from a relativistic transport model  
**Invited talk**, The 11th Winter Workshop on Nuclear Dynamics, Feb. 11-18, 1995, Key West, Florida, USA
- 30). A relativistic transport model for AGS  
**Seminar**, Oct. 27, 1994, National Institute for Nuclear Theory, University of Washington, Seattle, USA
- 29). Mean field effects in heavy ion collisions at AGS energies  
**Seminar**, Oct. 21, 1994, Texas A&M University
- 28). Dynamical and statistical aspects of nuclear multifragmentation  
**Seminar**, Dec. 13, 1993, FZ Rossendorf, Dresden, Germany
- 27). Dynamical and statistical aspects of nuclear multifragmentation  
**Seminar**, Dec. 3, 1993, GSI, Darmstadt, Germany
- 26). Pion spectra, flow and squeeze-out in relativistic heavy-ion collisions  
**Seminar**, Nov. 18, 1993, Argonne National Laboratory, USA
- 25). Dynamical fluctuations in pion spectra of relativistic heavy-ion collisions  
**Seminar**, Nov. 5, 1993, Wayne State University, Detroit, USA
- 24). Intermittency in relativistic heavy-ion collisions  
**Seminar**, Jan. 7, 1993, University of Erlangen, Germany
- 23). Dynamical instability and multifragmentation in BUU model for heavy-ion Collisions, **Seminar**, Mar. 6, 1993, Hahn-Meitner-Institut, Berlin, Germany

- 22). Dynamical and statistical aspects of nuclear multifragmentation  
**Colloquium**, Mar. 22, 1993, Ganil, Caen, France
- 21). Dynamical fluctuations and pion productions at  $E/A=2.0$  GeV  
**Invited talk**, Topical Workshop on Mesons from Nuclear Collisions,  
 GSI, Darmstadt, Germany
- 20). Pion spectra, flow and squeeze-out at Bevalac/SIS energies  
**Invited talk**, The 9th High Energy Heavy-ion Study,  
 Oct. 25-29, 1993, Lawrence Berkeley National Laboratory, USA
- 19). Dynamical and statistical aspects of nuclear multifragmentation  
**Colloquium**, Nov. 1, 1993, Texas A&M University, USA
- 18). Pion spectra, flow and squeeze-out in relativistic heavy-ion collisions  
**Seminar**, Nov. 2, 1993, Texas A&M University, USA
- 17). Dynamical fluctuations in relativistic heavy-ion collisions  
**Invited talk**, Theory Workshop on Dynamical Fluctuations in Heavy-ion Collisions,  
 Oct. 28, 1992, Ganil, Caen, France
- 16). Pion production in heavy-ion collisions at 1.0 GeV/nucleon  
**Seminar**, Jan. 23, 1992, Argonne National Laboratory, USA.
- 15). Effects of the detailed balance for the production and the re-absorption of baryon resonances on pion production.  
**Seminar**, Jan. 30, 1992, Kent State University, Kent, Ohio, USA.
- 14). Pion production in heavy-ion collisions at 1.0 GeV/nucleon  
**Seminar**, March 9, 1992, Hahn-Meitner-Institut, Berlin, Germany
- 13). Detailed balance between cross sections for the production and the reabsorption of baryon resonances, **Seminar**, April 8, 1992, Hahn-Meitner-Institut, Berlin, Germany
- 12). Intermittency in relativistic heavy-ion collisions  
**Colloquium**, June 23, 1992, GSI, Darmstadt, Germany
- 11). Pion production in a hadronic transport model for relativistic heavy-ion collisions  
**Colloquium**, June 24, 1992, University of Giessen, Germany
- 10). Pion production in a hadronic transport model for relativistic heavy-ion collisions  
**Seminar**, June 25, 1992, GSI, Darmstadt, Germany
- 9). Dynamical fluctuations in pion pseudorapidity distributions at Bevalac energies  
**Invited talk**, International Workshop on Relativistic Heavy-ion Collisions,  
 Aug. 12, 1992, Budapest, Hungary

- 8). Pion production in a hadronic transport model for relativistic heavy-ion collisions  
**Ganil-Lpc Joint Colloquium**, Oct. 23, 1992, Ganil-Lpc, Caen, France
- 7). Pion spectra in a hadronic transport model for heavy-ion collisions  
**Seminar**, March 9, 1991, Kent State University, Kent, Ohio, USA.
- 6). Pion spectra in heavy-ion collisions  
**Contributed talk**, Spring meeting of the American Physical Society,  
April 25, 1991, Washington D.C., USA.
- 5). Pion spectra in relativistic heavy-ion collisions  
**Brown Bag Lunch Seminar**, May 11, 1991, Michigan State University, USA.
- 4). A hadronic transport model for relativistic heavy-ion collisions  
**Seminar**, June 20, 1991, Nuclear Physics Summer School,  
University of Wisconsin, Madison, USA.
- 3). Preferential emission of pions in asymmetric Nucleus-Nucleus collisions  
**Contributed talk**, September 18, 1991, Mid-west Meeting on Nuclear Theory,  
Indiana University, USA.
- 2). Preferential emission of pions  
**Contributed talk**, October 25, 1991, Fall meeting of the nuclear physics division,  
American Physical Society, East Lansing, Michigan, USA.
- 1). Pion production in heavy-ion collisions  
**Seminar**, Nov. 12, 1991, Oregon State University, Corvallis, Oregon, USA.