

BAO-AN LI, Ph.D.

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(Last updated on April 25, 2008)

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Education

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

Professional Positions Held

Department Head and Professor of Physics, Aug., 2006-present
Texas A&M University-Commerce, USA

Interim Department Chairman, 2003 – 2004
Professor of Physics, 2004-Aug. 15, 2007
(With one-year unpaid leave from Aug. 15 2006-Aug. 15, 2007)
Associate Professor of Physics, 2000 – 2004
Assistant Professor of Physics, 1998 - 2000
Arkansas State University, USA

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

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

Graduate Teaching and Research Assistant, Sept. 1997 - Feb. 1992
Michigan State University, USA

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

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

Guest Professorship

- 1 Guest professor of Physics, Institute of Modern Physics, Chinese Academy of Science, 1997-present
- 2 Guest Professor of Physics, Shanghai Institute of Applied Physics, 2004-present
- 3 Guest Professor of Physics, Shanghai Jiao Tung University, 2007-present

Achievement Awards

1. Board of Trustees Distinguished Faculty Achievement Award for Scholarship, ASU, 2000
2. Dean's Distinguished Faculty Achievement Award, College of Sciences and Math, ASU, 2004

Research Grants Funded So Far (The amounts do not include matching in cash)

Determining the Equation of State of Neutron-Rich Nuclear Matter and its Astrophysical Impacts

PI, Advanced Research Program, Texas Coordinating Board of Higher Education, \$134,300, May 15, 2008-May 14, 2010

Probing the density and momentum dependence of the nucleon isovector potential in neutron-rich nuclear matter with heavy-ion reactions

PI, NSF, \$150,000, Aug.1, 2008-July 31, 2011

Constraining the changing rate of the gravitational constant G using terrestrial nuclear laboratory data, *PI, Research Corporation \$37,800, July 2007-July 2009*

Probing the isospin-dependence of in-medium nuclear effective interactions at the Rare Isotope Accelerator *PI, NSF, \$145,278, Aug. 2005-Aug. 2008*

Equation of state of dense neutron-rich matter in neutron stars

NASA-Arkansas Space Grants Consortium, \$92,408, March 1, 2005-Feb. 28, 2008

Bao-An Li (Project director), Tony Hall (Co-PI, U. of Ark. at Little Rock) and Andy Sustich (Co-PI)

Astrophysical applications of the nuclear equation of state

Arkansas-SILO Advisory Council Undergraduate Research Fellowships, \$3,900

PI with my undergraduate research student Hunter Broadaway, Jan. 1 – Dec. 31., 2005

Probing the equation of state of neutron-rich matter at RIA

PI, National Science Foundation, \$46,695, Sept.1, 2004 to Aug. 31, 2005.

Transport theory with Bose-Einstein statistics

PI, National Science Foundation, \$15,000, Aug.1, 2003 - July 31, 2004

Ultra-relativistic heavy-ion collisions and isospin physics with radioactive beams

PI, National Science Foundation, \$97,000, Aug.1, 2000 – July 31, 2004.

Isospin physics with radioactive beams

PI, Subcontract, National Superconducting Cyclotron Laboratory, \$8,000, July, 2004

Theoretical study of ultra-relativistic heavy-ion collisions

PI, Arkansas Science and Technology Authority, \$61,120, Dec.1, 1999 - June 30, 2001.

Development of a multi-phase transport model for heavy-ion collisions

PI, Subcontract, Texas A&M Research Foundation, \$15,000, May, 1999 - Aug., 2002.

Computer simulation of nuclear reactions

Arkansas-SILO Advisory Council Undergraduate Research Fellowships, \$3,900

PI with student Matt Tilley, Dec., 1999 - Nov., 2000.

Professional Services

- 1 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, and the Chinese Academy of Science
- 2 Referee for Physical Review Letters, Physical Review C, Physics Letters B, Nuclear Physics A, Journal of Physics G, Euro. Phys. Letters, International Journal of Modern Physics E,
- 3 Member of the Editorial Board, Nuclear Physics and High Energy Physics, 2003-present
- 4 Member of the Editorial Board, Chinese Physics C, 2007-present
- 5 Associate Editor & referee, Journal of Arkansas Academy of Science, 2000-2006
- 6 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, 88th Arkansas Academy of Science Annual Meeting
- 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
- 5 A reaction theory coordinator, RIA theory working group
- 6 Co-chair and a panelist, 2004 Gordon Research Conference in Nuclear Science, June 13-18, 2004, Colby-Sawyer College, New London, NH, USA
- 1 Organizer, Workshop on Nuclear Equation of State for Nuclei, Neutron Stars and Supernovae, April, 14-15, 2005, Jonesboro, Arkansas
- 7 Member, writing committee of the RIA Theory Blue Book
- 8 Co-organizer, International Workshop on Nuclear Dynamics in Heavy-Ion Reactions and Neutron Stars, July 10-14, 2007, Beijing, China
- 9 International Advisory Committee, International Workshop: Nuclear Symmetry Energy at Intermediate Energies, Catania, Italy, May 28-31, 2008

Services to the University Communities

- 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, Research Advisory Committee, TAMU-Commerce, 2007-present
- 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, 2000-2003
- Member, Board of Trustees Distinguished Faculty Achievement Award Committee, 2002-3
- Member, Search Committee for the Dean of the College of Sciences and Mathematics, 2002-3

- Member, College Radiation Safety Committee, 2002-2006
- Chair, Physics Faculty Search Committee, 2000 and 2005
- Member, Physics Programs Committee, 1999-2006
- Co-chair, Department Computer Committee, 2001-2003
- Coordinator, physics seminars, 1999-2006
- Member, College Committee for Promotion, Tenure and Retention, 2004-2006

Teaching Experience

(1) Lectures at Texas A&M University-College Station, Arkansas State University and Texas A&M University-Commerce

- Thermal Physics 414 (TAMU-Commerce)
- Math Physics 317 and 517 (TAMU-Commerce)
- Introduction to Space Science/Astronomy (ASU)
- Nuclear and Particle Physics (ASU)
- Quantum Mechanics (ASU)
- University Physics I & II (ASU)
- General Physics I & II (ASU)
- Fundamental Physics I & II (ASU)
- College Physics I & II (TAMU-College Station)
- General Physics I & II (TAMU-College Station)
- Mathematical Physics (ASU)
- Special Physics Problems (ASU)

(2) Laboratory Courses

- Space Science Labs (ASU)
- Fundamental Phys I & II Labs (ASU)
- University Phys I & II Labs (ASU)
- General Phys I & II Labs (ASU, TAMU-College Station and Michigan State University)

(3) Research Students Advised

- Gong-Chan Yong, Ph.D. student, Institute of Modern Physics, Chinese Academy of Science
- Guang Song, MS graduate student, Texas A&M University, College Station
- Aaron Worley, MS graduate student, Texas A&M University-Commerce
- Xuchao Zhang, MS graduate student, Institute of Modern Physics, Chinese Academy of Science
- Joshua Buckley, Mark Bryant, MS graduate students, Arkansas State University
- Undergraduate research students:
- Matt Tilley, Amanda Evens, Charles Teal, Christina Griffis, Gregory Slayton, Hunter Broadway, Lucas Jennings, Michael Clay, Richard Nobra, Joe Hearon

- Charles Milner, high school student (now at Yale University)
- Counselor on Nuclear Science and Atomic Energy, Scout University
(Organize, give lectures and perform demonstrations in workshops for boy scouts, their instructors and parents)

(4) Postdoctoral Research Associates:

Dr. Plamen Krastev, Dr. Wei-Zhou Jiang

Statistics of Publications: total 184

Book published: 1

Refereed journal articles published: 133

Articles in conference proceedings: 48

Submitted to refereed journals: 2

Statistics of Talks: total 169

Invited talks at conferences: 75

Colloquiums and seminars: 73

Contributed talks at conferences: 21

Co-authored talks given by others: MANY

List of Publications

(I) Book:

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.

(II) Refereed publications:

136) Chiral condensate in nuclear matter with vacuum correction

Wei-Zhou Jiang and **Bao-An Li**,

Submitted to Physical Review C (2008).

135) Effects of charge symmetry breaking on vector meson masses, symmetry energy and causality in isospin-asymmetric nuclear matter

Wei-Zhou Jiang and **Bao-An Li**, submitted to Phys. Lett. B (2008).

134) Nuclear constraints on the momenta of inertia of neutron stars

Aaron Worley, Plamen G. Krastev and **Bao-An Li**,

Astrophysical Journal (2008) in press.

133) Recent Progress and New Challenges in Isospin Physics with Heavy-Ion Reactions

Bao-An Li, L.W. Chen and C.M. Ko,

Invited Review Article, Physics Reports (2008) in press.

132) Constraining properties of rapidly rotating neutron stars using data from heavy-ion collisions

Plamen G. Krastev, **Bao-An Li**, Aaron Worley,

Astrophysical Journal 676, 1170 (2008).

131) Symmetry energy effects on bremsstrahlung photons from heavy-ion reactions at

intermediate energies

Gao-Chan Yong, **Bao-An Li** and Lie-Wen Chen, Phys. Lett. **B661**, 82 (2008).

- 130) Constraining properties of neutron stars with terrestrial nuclear laboratory data
Bao-An Li, L.W. Chen, C.M. Ko, P. Krastev and A.W. Steiner,
Journal of Phys G**35**, 014044 (2008).
- 129) Effects of the isospin and momentum dependent interactions on thermal properties
of asymmetric nuclear matter
Jun Xu, Lie-Wen Chen, **Bao-An Li** and Hong-Ru Ma,
Phys. Rev. **C77**, 014302 (2008).
- 128) Neutron-skin thickness of finite nuclei in relativistic mean-field models with chiral limits
Wei-Zhou Jiang, **Bao-An Li**, Lie-Wen Chen, Phys. Rev. **C76**, 054314 (2007).
- 127) Equation of state of isospin-asymmetric nuclear matter in relativistic mean-field
models with chiral limits
Wei-Zhou Jiang, **Bao-An Li**, Lie-Wen Chen, Phys. Lett. **B653**, 184 (2007).
- 126) Mean free paths and in-medium scattering cross sections of energetic nucleons in
neutron-rich nucleonic matter within the relativistic impulse approximation
Wei-Zhou Jiang, **Bao-An Li**, Lie-Wen Chen, Phys. Rev. **C76**, 044604 (2007).
- 125) Isospin-dependent properties of asymmetric nuclear matter in relativistic mean-field models
Lie-Wen Chen, Che Ming Ko, **Bao-An Li**, Phys Rev. **C76**, 054316 (2007).
- 124) Differential isospin-fractionation in dilute asymmetric nuclear matter
Bao-An Li, Lie-Wen Chen, Hong-Ru Ma, Jun Xu, Gao-Chan Yong,
Phys. Rev. **C76**, 051601 (R) (2007).
- 123) Probing the Nuclear Symmetry Energy with Heavy-Ion Reactions Induced
by Neutron-Rich Nuclei
Lie-Wen Chen, Che Ming Ko, **Bao-An Li**, Gao-Chan Yong, nucl-th/0704.2340
Invited Review Article for Frontiers of Physics in China, 2(3), 327-357 (2007).
- 122) Probing the balance energy using momentum- and isospin-dependent potential
J.Y. Chen, W. Zuo, L. Ma and **Bao-An Li**,
Chinese Physics Letters 24(1): 76-79 (2007).
- 121) The neutron/proton ratio of squeezed-out nucleons and the high density behavior
of the symmetry energy
Gao-Chan Yong, **Bao-An Li** and Lie-Wen Chen, Phys. Lett. **B650**, 344 (2007).
- 120) Effects of isospin and momentum dependent interactions on liquid-gas phase
transition in hot asymmetric nuclear matter
Jun Xu, Lie-wen Chen, **Bao-An Li** and Hong-Ru Ma, Phys. Lett. **B650**, 348 (2007).

- 119) Constraining a possible time variation of the gravitational constant G with terrestrial nuclear laboratory data
Plamen Krastev and **Bao-An Li**, Phys. Rev. **C76**, 055804 (2007).
- 118) Three-body force rearrangement contribution to single nucleon potential in nuclear matter
Wei Zuo, Pei-Yan Luo, **Bao-An Li**, Ji-Yan Chen and U. Lombardo,
High Energy Physics and Nuclear Physics, Vol. 30., No. 9, 848-853 (2006).
- 117) Isospin flows
M. Di Toro, S.J. Yennello and **Bao-An Li**, Euro. Phys. J. **A30**, 153-163 (2006).
- 116) Temperature effects on the nuclear symmetry energy and symmetry free energy with an isospin and momentum dependent interaction
Jun Xu, L.W. Chen, **Bao-An Li** and H.R. Ma, Phys. Rev. **C75**, 014607 (2007).
- 115) Flipped symmetry potential in heavy-ion collisions
Gao-Chan Yong, **Bao-An Li** and Lie-Wen Chen,
Acta Physica Sinica, Vol. 55, No. 10 (2006) 5166.
- 114) Nuclear symmetry potential in the relativistic impulse approximation
Zeng-Hua Li, L.W. Chen, C.M. Ko, **Bao-An Li** and H.R. Ma,
Phys. Rev. **C74**, 034610 (2006).
- 113) Evolution of the symmetry energy of hot neutron-rich nuclear matter
Bao-An Li and Lie-Wen Chen, Phys. Rev. **C74**, 034610 (2006).
- 112) Double neutron-proton differential transverse and elliptic flows as probes for the high density behavior of the nuclear symmetry energy
G.C. Yong, **Bao-An Li**, and L.W. Chen, Phys. Rev. **C74**, 064617 (2006)
- 111) Single and double π^-/π^+ ratios in heavy-ion reactions as probes of the high density behavior of the nuclear symmetry energy
G.C. Yong, L.W. Chen, **Bao-An Li** and W. Zuo,
High Energy Physics and Nuclear Physics, Vol. 30, No.7, 642(2006).
- 110) Single and double π^-/π^+ ratios in heavy-ion reactions as probes of the high density behavior of the nuclear symmetry energy
G.C. Yong, **Bao-An Li**, L.W. Chen and W. Zuo, Phys. Rev. **C73**, 034603 (2006).
- 109) Constraining the radii of neutron stars with terrestrial nuclear laboratory data
Bao-An Li and A.W. Steiner, nucl-th/0511064, Phys. Lett. **B642**, 436 (2006).
- 108) Double neutron/proton ratio of nucleon emissions in isotopic reactions as a robust probe of the symmetry energy
Bao-An Li, L.W. Chen, G.C. Yong and W. Zuo, Phys. Lett. **B634**, 378 (2006).

- 107) Probing the isospin dependence of the in-medium nucleon-nucleon cross sections with radioactive beams,
Bao-An Li, Pawel Danielewicz and William G. Lynch,
Phys. Rev. **C71**, 054603 (2005).
- 106) Nuclear matter symmetry energy and the neutron skin thickness of heavy nuclei
L.W. Chen, C.M. Ko and **Bao-An Li**, Phys. Rev. **C72**, 064309 (2005).
- 105) Nucleon-nucleon cross sections in neutron-rich matter and isospin transport in heavy-ion reactions at intermediate energies
Bao-An Li and L.W. Chen, Phys. Rev. **C72**, 064611 (2005).
- 104) High energy behavior of nuclear symmetry potential in asymmetric matter
L.W. Chen, C. M. Ko and **Bao-An Li**, Phys. Rev. **C72**, 064606 (2005).
- 103) Isospin diffusion in heavy-ion collisions and the thickness of neutron-skin in ^{208}Pb
Andrew W. Steiner and **Bao-An Li**, Phys. Rev. **C72**, 041601(R) (2005).
- 102) Momentum and density dependence of isospin symmetry potential in asymmetric nuclear matter, W. Zuo, Ji-Yan Chen, **Bao-An Li**, P.Y Luo and U. Lombardo,
High Energy Physics and Nuclear Physics, Vol. 29, 885 (2005).
- 101) Multiphase transport model for relativistic heavy-ion collisions
Zi-Wei Lin, Che Ming Ko, **Bao-An Li**, Bin Zhang and Subrata Pal,
Phys. Rev. **C72**, 064901 (2005).
- 100) Determining the EOS of neutron-rich matter with radioactive beams at RIA
Bao-An Li, L.W. Chen, C.M. Ko, G.C. Gao and W. Zuo,
Acta Phys Hug. A 25 (2-4) (2006) 219-228.
- 99) Isovector part of nucleon effective mass in neutron-rich matter within the BHF approach, W. Zuo, L.G. Gao, **Bao-An Li**, U. Lombardo and C.W. Shen,
Phys. Rev. **C72**, 014005 (2005).
- 98) Several observables sensitive to the symmetry energy in heavy-ion collisions induced by high energy radioactive beams
G.C. Yong, **Bao-An Li** and W. Zuo, Chinese Physics, Vol 14, No. 8, 1549 (2005).
- 97) Isospin dependence of nucleon emission and radial flow in heavy-ion collisions induced by high energy radioactive beams
Bao-An Li, G.C. Yong and W. Zuo, Phys. Rev. **C71**, 044604 (2005).
- 96) Probing stiffness of nuclear symmetry energy with isospin diffusion in heavy-ion collisions
L.W. Chen, C.M. Ko and **Bao-An Li**, Phys. Rev. Lett. **94**, 32701 (2005).

- 95) Correlation between symmetry energy and collective flow in heavy-ion collisions induced by high energy radioactive beams
G.C. Yong, **Bao-An Li** and W. Zuo, Chinese Physics Letters, 22, 2226-2229 (2005).
- 94) Near-threshold pion production with radioactive beams
Bao-An Li, G.C. Yong and W. Zuo, Phys. Rev. C **71**, 014608 (2005).
- 93) Pion probe of the nuclear equation of state of neutron-rich matter
G.C. Yong, **Bao-An Li** and W. Zuo,
High Energy Physics and Nuclear Physics Vol. 29, 366 (2005).
- 92) Effects of momentum-dependent symmetry potential on heavy-ion collisions induced by neutron-rich nuclei.
Bao-An Li , C. B. Das, Subal Das Gupta, C. Gale, Nucl. Phys. **A735**, 563 (2004).
- 91) Constraining the neutron-proton effective mass splitting in neutron-rich matter
Bao-An Li, Phys. Rev. C **69**, 064602 (2004).
- 90) Momentum-dependence of nuclear potential and two-particle correlation functions
L.W. Chen, C.M. Ko and **Bao-An Li**, Phys. Rev. C **69**, 054606 (2004).
- 89) Equation of state of dense neutron-rich matter
Bao-An Li, Nucl. Phys. **A734**, 593 (2004).
- 88) Observable effects of symmetry energy in heavy-ion collisions at RIA
Bao-An Li, Phys. Rev. C **69**, 034614 (2004)
- 87) Momentum-dependence of symmetry potential and heavy-ion collisions induced by neutron-rich nuclei
Bao-An Li , C. B. Das, Subal Das Gupta, C. Gale, Phys. Rev. C **69**, 011603 (2004).
- 86). Probing the high-density behavior of nuclear symmetry energy with high-energy radioactive beams, **Bao-An Li**, Nucl. Phys. **A722**, 209 (2003).
- 85). Isospin-dependence of π^-/π^+ ratio and the density-dependence of nuclear symmetry energy
Bao-An Li, Phys. Rev. C **67**, 017601 (2003).
- 84) Light clusters production as a probe to the nuclear symmetry energy
L.W. Chen, C.M. Ko and **Bao-An Li**, Phys. Rev. C **68**, 017601 (2003).
- 83). Effects of symmetry energy on two-nucleon correlation functions in heavy-ion collisions induced by neutron-rich nuclei,
L.W. Chen, V. Greco, C.M. Ko and **Bao-An Li**, Phys. Rev. Lett. **90**, 162701 (2003).
- 82). Momentum dependence of symmetry potential in asymmetric nuclear matter for transport model calculations

- C. B. Das, Subal Das Gupta, C. Gale and **Bao-An Li**, Phys. Rev. C67, 034611 (2003).
- 81). Isospin effects on two-nucleon correlation functions in heavy-ion collisions at intermediate energies
L.W. Chen, V. Greco, C.M. Ko and **Bao-An Li**, Phys. Rev. C68, 014605 (2003).
- 80) Light cluster production in intermediate energy heavy-ion collisions induced by neutron-rich nuclei
L.W. Chen, C.M. Ko and **Bao-An Li**, Nucl. Phys. A729, 809 (2003).
- 79). Nuclear modification of heavy quark fragmentation and J/psi production in ultra-relativistic heavy-ion collisions
B. Zhang, **Bao-An Li**, A.T. Sustich and C. Teal, Phys. Lett. **B546**, 63 (2002).
- 78). High density behaviour of nuclear symmetry energy and high energy heavy-ion collisions
Bao-An Li, Nucl. Phys. A708, (2002) 365.
- 77). Precursor of an isospin separation instability in heavy-ion collisions at intermediate, rare-isotope accelerator energies, **Bao-An Li**, Phys. Rev. C66, (2002) 034609.
- 76). Probing the high density behavior of nuclear symmetry energy with high energy heavy-ion collisions, **Bao-An Li**, Phys. Rev. Lett. 88, 192701 (2002).
- 75). J/psi suppression in ultra-relativistic heavy-ion collisions within a multi-phase transport model
B. Zhang, C.M. Ko, **Bao-An Li**, Z. Lin and S. Pal, Phys. Rev. C65, 054909 (2002)
- 74). Differential transverse flow in central C-Ne and C-Cu collisions at 3.7 GeV/nucleon.
L. Chkhaidze, T. Djobava, L. Kharkhelauri and **Bao-An Li**,
Phys. Rev. C65, 054903 (2002).
- 73). Probing mechanical and chemical instabilities in neutron-rich matter
Bao-An Li, A.T. Sustich, M. Tilley and B. Zhang, Nucl. Phys. A699, 93 (2002).
- 72). Multiphase transport model for heavy ion collisions at RHIC
Z. Lin, S. Pal, C.M. Ko, **Bao-An Li** and B. Zhang, Nucl. Phys. A698, 375 (2002).
- 71). Uranium-on-uranium collisions at relativistic energies
Bao-An Li and M.A. Tilley,
Journal of Arkansas Academy of Science, Vol. 55 (2002) 165.
- 70). Thermodynamical properties of neutron-rich matter
M.A. Tilley and **Bao-An Li**
Journal of Arkansas Academy of Science, Vol. 55 (2002) 148.
- 69) A multiphase transport study of nuclear collisions
B. Zhang, C.M. Ko, **Bao-An Li**, Z.W. Lin and S. Pal,

Journal of Arkansas Academy of Science, Vol. 55 (2002) 159.

- 68) Isospin dependence of mechanical and chemical instabilities
Bao-An Li, A.T. Sustich, M. Tilley and B. Zhang, Phys. Rev. C64, 051303(R) (2001).
- 67). Studies of superdense hadronic matter in a relativistic transport model
Bao-An Li, C.M. Ko, A.T. Sustich and B. Zhang,
Topical Review, Int. Journal of Modern Physics, Vol. 10, Nos. 4 & 5, 267-352 (2001).
- 66). Isotopic Distributions and the isospin dependent equation of state
W.P. Tan, **Bao-An Li**, R. Donangelo, C.K. Gelbke, T.X. Liu, X.D. Liu,
W.G. Lynch, S. Souza, M.B. Tsang, M-J. Van Goethem, G. Verde, A. Wagner,
H.F. Xi and H.S. Xu, Phys. Rev. C64, R051901 (2001).
- 65). Proton elliptic differential flow and the isospin dependence of the nuclear equation of state
Bao-An Li, A.T. Sustich and B. Zhang, Phys. Rev. C64, 054604 (2001).
- 64). Charged particle rapidity distribution at RHIC
Z. Lin, S. Pal, C.M. Ko, **Bao-An Li** and B. Zhang, Phys. Rev. C64, 011902 (2001).
- 63). Probing the isospin-dependence of the nuclear equation of state
Bao-An Li, Nucl. Phys. A681, 434 (2001).
- 62). Neutron-proton differential flow as a probe of isospin-dependence of nuclear equation of state
Bao-An Li, Phys. Rev. Lett. 85, 4221 (2000).
- 61). J/psi suppression in ultrarelativistic nuclear collisions
Bin Zhang, C.M. Ko, **Bao-An Li**, Ziwei Lin, Ben-Hao Sa, Phys. Rev. C62, 054905 (2000).
- 60). Collective flow of charge-neutral strange particles at AGS
B. Zhang, C.M. Ko, **Bao-An Li** and A.T. Sustich, Journal of Phys. G26, 1665-1670 (2000).
- 59). Multi-phase transport model for RHIC
B. Zhang, C.M. Ko, **Bao-An Li** and Z.W. Lin, Phys. Rev. C61, 067901 (2000).
- 58). Uranium on uranium collisions at relativistic energies
Bao-An Li, Phys. Rev. C61, 021903(R) (2000).
- 57). Light particle probes of expansion and temperature evolution:
Coalescence model analysis of heavy-ion collisions at 47A MeV
K. Hagel, R. Wada, J. Cibor, M. Lunardon, N. Marie, R. Alfaro, W. Shen, B. Xiao, Y. Zhao,
Z. Majka, J. Li, P. Staszal, **Bao-An Li**, M. Murray, T. Keutgen, A. Bonasera and J.B. Natowitz
Phys. Rev. C62, 034607 (2000).
- 56). Dynamic evolution and the Caloric Curve for Medium Mass Nuclei
J. Cibor, R. Wada, K. Hagel, M. Lunardon, N. Marie, R. Alfaro, W. Shen, B. Xiao,
Y. Zhao, J. Li, **Bao-An Li**, M. Murray, J.B. Natowitz, Z. Majka and P. Staszal,

- Phys. Lett. **B473**, 29 (2000).
- 55). Differential flow in heavy-ion collisions at balance energies
Bao-An Li and A.T. Sustich, Phys. Rev. Lett. **82**, 5004 (1999) .
 - 54). Excitation function of nucleon and pion elliptic flow in relativistic heavy-ion collisions
Bao-An Li, C.M. Ko, A.T. Sustich and Bin Zhang, Phys. Rev. C60, 011901 (1999).
 - 53). Elliptic flow in nuclear reactions at balance energies
Yu-Ming Zheng, C.M. Ko, **Bao-An Li** and B. Zhang, Phys. Rev. Lett. **83**, 2534 (1999).
 - 52). Kaon differential flow in relativistic heavy-ion collisions
Bao-An Li, B. Zhang, A.T. Sustich and C.M. Ko, Phys. Rev. C60, 034902 (1999).
 - 51). Isospin dependence of nuclear collective flow
Bao-An Li and C.M. Ko, Nuclear Physics A654, 797 (1999).
 - 50). Antikaon production and medium effects in relativistic heavy-ion collisions
G. Song, **Bao-An Li** and C.M. Ko, Nuclear Physics A646, 481 (1999).
 - 49) Probing the softest point in nuclear equation of state
Bao-An Li and C.M. Ko, Phys. Rev. C58, 1382 (1998).
 - 48) Isospin physics in heavy-ion collisions at intermediate energies
Bao-An Li, C.M. Ko and W. Bauer
Review article, International Journal of Modern Physics E, V7, 147-229 (1998).
 - 47) Isospin relaxation time in heavy-ion collisions at intermediate energies
Bao-An Li and C.M. Ko, Phys. Rev. C 57, 2065 (1998).
 - 46) Excitation functions of nuclear stopping power and flow in relativistic heavy-ion collisions
Bao-An Li and C.M. Ko, Nuclear Physics A630, 556 (1998).
 - 45) Chemical and mechanical instability in hot, isospin-asymmetric nuclear matter
Bao-An Li and C. M. Ko, Nucl. Phys. A618, 498 (1997).
 - 44) Isotopically resolved fragment production in the reaction $^{40}\text{Ca} + ^{58}\text{Fe}$
at $E_{\text{beam}}/A=33$ and 45 MeV.
H. Johnston, T. White, **Bao-An Li**, D. Rowland, B. Hurst, D.O'Kelly, F. Gimeno-Nogues,
J. Winger and S.J. Yennello, Phys. Rev. C56 (1997) 1972.
 - 43) Equation of state of asymmetric nuclear matter and collisions of neutron-rich nuclei
Bao-An Li, C.M. Ko and Zhongzhou Ren, Phys. Rev. Lett. **78** (1997) 1644.
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Gordon Research Conference, June 15-20, New London, NH, USA
- 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 29-30, Catania, Italy
- 167) **Invited talk**, Symmetry Energy and Astrophysics
24th 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,
234th 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,
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- 4) Constraining properties of neutron stars with heavy-ion reactions, June 22, 2007
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- 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
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International Workshop on “Nuclear Physics in Astrophysics III”,
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- 157) **Seminar**, Nuclear Astrophysics
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- 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).
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In Heaven and On Earth 2006: The Nuclear Equation of State in Astrophysics
July 5-7, 2006, Montreal, Canada
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- 152-153) **Colloquia**, constraining properties of neutron stars with terrestrial nuclear reactions
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- 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
6th 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

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- 145) **Contributed talk**, Temperature and density dependence of the symmetry energy of hot neutron-rich matter and the isoscaling phenomenon in nuclear reactions
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- 144) **Contributed talk**, neutron stars and the nuclear equation of state
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April 11, 2006, Texas A&M University-Commerce, Texas, USA
- 142) **6 invited lectures** at the 2006 India National School of Nuclear Physics
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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
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Invited talk, The XXIX Symposium on Nuclear Physics,
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Nuclear theory Seminar, Dec. 16, 2005, Texas A&M University, College Station, USA
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Colloquium, Nov. 4, 2005, NASA-NSSTC (National Space Science and Technology Center)
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- 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
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79th lecture of physics frontiers, Shanghai JiaoTung University, July 7, 2005,
Shanghai, 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, 2nd 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, 87th 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) **Colloquium**, 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**, 85th 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, Internatioanl 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.