

ANDREW T. SUSTICH, PH.D.

Vice Provost for Research and Graduate Studies
870-972-2694
sustich@astate.edu

EDUCATION

Ph.D. in Physics, 1989, University of Illinois at Urbana-Champaign
M.S. in Physics, 1984, University of Illinois at Urbana-Champaign
B.S. with Highest Honors in Nuclear Engineering, 1981, University of Illinois at Urbana-Champaign

REFEREED PUBLICATIONS:

- Zhang, B.; Li, B.A.; **Sustich, A.T.**; Teal, C: “Nuclear modification of heavy quark fragmentation function and J/psi production in ultrarelativistic heavy ion collisions”, *Physics Letters B* **546** 63(2002).
- Li, B.A.; **Sustich, A.T.**; Tilley, M.; Zhang, B.: “Probing mechanical and chemical instabilities in neutron-rich matter”, *Nuclear Physics A* **699**, 493 (2002).
- Li, B.A.; **Sustich, A.T.**; Zhang, B.: “Proton elliptic differential flow and the isospin dependence of the nuclear equation of state”, *Physical Review C* **64**, 054604(2001).
- Li, B.A.; **Sustich, A.T.**; Tilley M.; Zhang, B.: “Isospin dependence of mechanical and chemical instabilities”. *Physical Review C* **64**, R051303(2001).
- Li, B.A.; **Sustich, A.T.**; Zhang, B.; Ko, C.M.: “Studies of superdense hadronic matter in a relativistic transport model”, *International Journal of Modern Physics* **10**, 267-352(2001).
- Zhang, B.; Ko, C.M.; Li, B.A.; **Sustich, A.T.**: “Directed flow of neutral strange particles at AGS”, *Journal of Physics G* **26**, 1665 (2000).
- Li, B.A.; **Sustich, A.T.**: “Differential flow in heavy-ion collisions at balance energies”, *Physical Review Letters* **82**, 5004 (1999).
- Li, B.A.; Zhang, B.; **Sustich, A.T.**; Ko, C.M.: “Kaon differential flow in relativistic heavy-ion collisions”, *Physical Review C* **60**, 034902 (1999).
- Li, B.A.; Ko, C.M.; **Sustich, A.T.**; Zhang, B.: “Excitation function of nucleon and pion elliptic flow in relativistic heavy ion collisions”, *Physical Review C* **60**, 011901 (1999).
- Li, B.A.; Ko, C.M.; Lacey, R.A.; **Sustich, A.T.**; Zhang, B.: “Excitation function of collective flow in relativistic heavy-ion collisions”, in Heavy-Ion Physics from Bevalac to RHIC, Ed. R. Seto, World Scientific (Singapore) (1999).
- Ackermann, K.H.; **et.al.**; “The STAR Time Projection Chamber”, *Nuclear Physics A* **661**, 681c (1999).
- Wieman, H.; **et.al.**: “Recent Developments on the Star Detector System at RHIC”, *Nuclear Physics A* **638**, 559c (1998).
- Ieki, K.; **et.al.**: “Coulomb dissociation of ^{11}Li ”, Proceedings of Tours Symposium on Nuclear Physics II, Eds. M. Ohta, and B.Remaud, World Scientific (Singapore) (1995).

- Adams, D.L.; **et.al.**: “The STAR experiment at the Relativistic Heavy Ion Collider”, *Nuclear Physics A* **566**, 277 (1994).
- Hall, T.A.; **Sustich, A.T.**: “Gamma ray emissions from binary pulsar systems”, *Proceedings of the Arkansas Academy of Science* **48**, 67 (1994).
- Sackett, D.; **et.al.**: “Electromagnetic excitation of ^{11}Li ”, *Physical Review C* **48**, 118 (1993).
- Galonsky, A.; **et.al.**: “Electromagnetic Excitation of ^{11}Li ”, Proceedings of the Third International Conference on Radioactive Nuclear Beams, ed. D.J. Morrissey, Editions Frontieres (Gif-sur-Yvette) (1993).
- Ieki, K.; **et.al.**: “Coulomb dissociation of ^{11}Li ”, *Physical Review Letters* **70**, 730 (1993).
- Bertulani, C.A.; **Sustich, A.T.**: “Multipole response of ^{11}Li ”, *Physical Review C* **46**, 2340 (1992).
- Zhao, L.; **Sustich, A.T.**: “Higher Order Corrections to Quasiparticle RPA”, *Annals of Physics* **213**, 378 (1992).
- Sustich, A.T.**: “Energy dependence of ^{11}Li dissociation cross section”, *Zeitschrift fur Physics A* **342**, 31 (1992).
- Bingham, C.R.; Rohozinski, S.G.; **Sustich, A.T.**; Wood, J.L.: “Evaluation of self-consistent-field methods”, in International Workshop: Nuclear Structure Models, eds. Bengtsson, R.; Draayer, J.; Nazarewicz, W., World Scientific (Singapore) (1992).
- Bertsch, G.; Esbensen, H.; **Sustich, A.T.**: “Coulomb versus nuclear breakup in ^{11}Li fragmentation”, *Physical Review C* **42**, 758 (1990).
- Sustich, A.T.**: “Reaction and breakup cross sections for exotic nuclei”, in Nuclear Structure and Heavy Ion Reaction Dynamics 1990, Eds. Bett, R.R.; Kolata, J.J., Institute of Physics (Bristol) (1991).
- Sustich, A.T.**; Wambach, J.: “Shape instabilities in hot nuclei”, *Physics Letters B* **218**, 417 (1989).

RECENT PRESENTATIONS:

- “Managing Program and Staff Cuts”, Hot topic discussion at Council of Graduate Schools Summer Workshop, 11 July 2011, Monterey, California
- “Who’s in Charge? Organization and Control of Effective Graduate Programs”, Plenary Panel at Conference of Southern Graduate Schools, 26 February 2011, Huntsville, Alabama
- “Professional Development for Graduate Students”, National Environmental Studies & Science Summit, 22 May 2008, Jonesboro, Arkansas
- “Challenges in International Graduate Student Recruiting”, Panel Discussion at Southwestern Regional Forum of The College Board, 3 February 2006, The Woodlands, Texas
- “When Masters I meets Doctoral Programming”, Panel Discussion at Annual Meeting of the Council of Colleges of Arts and Sciences, 15 November 2003, Orlando, Florida