CURRICULUM VITAE

PERSONAL INFORMATION

Surname, First name: Constantinou, Constantinos
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o EDUCATION

2013 PhD
Department of Physics and Astronomy, Stony Brook University, New York, U.S.A.
2007 Master of Arts
Department of Physics and Astronomy, Stony Brook University, New York, U.S.A.
2003 Bachelor of Science
Department of Physics and Astronomy, Stony Brook University, New York, U.S.A.

o POSITIONS

2018 - 2019 Postdoctoral Researcher
Department of Physics, Kent State University, Ohio, U.S.A.
2017 - 2018 Visiting Researcher
Department of Physics and Astronomy, Ohio University, Ohio, U.S.A.
2014 - 2017 Postdoctoral Researcher
Institute for Advanced Simulation, Forschungszentrum Juelich, Germany
2013 - 2014 Research Associate
Department of Physics and Astronomy, Ohio University, Ohio, U.S.A.

o SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS

2014 - 2019 3 PhD Students (B. Muccioli, M. A. Al Mamun, S. Lalit)
Department of Physics and Astronomy, Ohio University, Ohio, U.S.A.

o TEACHING ACTIVITIES

2019 Substitute Instructor – Introductory Physics, Kent State University, Ohio, U.S.A.
2017 Substitute Instructor – Graduate Classical Mechanics, Ohio University, Ohio, U.S.A.
2013 Substitute Instructor – Quantum Mechanics, Ohio University, Ohio, U.S.A.
2007 Instructor – Introductory Physics Laboratory, Stony Brook University, New York, U.S.A.
2006 Instructor – Optics Laboratory, Teaching Assistant – Graduate Classical and Statistical Mechanics, Stony Brook University, New York, U.S.A.
2005 Teaching Assistant – Graduate Laboratory, Stony Brook University, New York, U.S.A.

o INSTITUTIONAL RESPONSIBILITIES

2019 Organizer of the Center for Nuclear Research Seminar,
Kent State University, Ohio, U.S.A.

o MEMBERSHIPS OF SCIENTIFIC SOCIETIES

2016 - Present Member, Research Network "*JINA-CEE*"

- **INVITED TALKS AND SEMINARS**

1. Invited Seminar: C. Constantinou, JINA-CEE Biweekly Online Seminar; April 13 2018,
   "Enforcing Causality in Nonrelativistic Equations of State".
2. Invited Talk: C. Constantinou, Program on Astrophysics from a Neutron Star Merger, KITP,
   UC Santa Barbara, Santa Barbara, CA ; December 12 2017,
   "Equations of State for Astrophysical Simulations".
3. Invited Seminar: C. Constantinou, Kent State University, Kent, OH; December 06 2017,
   "Thermal Properties of Dense Matter".
4. Invited Talk: C. Constantinou, 6th International Conference on New Frontiers in Physics,
   Kolymbari, Greece; August 29 2017,
   "Hot and Dense Matter in Astrophysics".
5. Invited Talk: C. Constantinou, 35th SPP Physics Conference, Cebu City, Philippines; June 09 2017,
   "Hot and Dense Matter in Supernovae and Binary Mergers".
6. Invited Seminar: C. Constantinou, Goethe University, Frankfurt, Germany; March 07 2017,
   "Hot and Dense Matter in Supernovae and Binary Mergers".
7. Invited Talk: C. Constantinou, JINA-CEE International Symposium on Neutron Stars in
   Multi-Messenger Era: Prospects and Challenges, Ohio University, Athens, OH; May 24 2016,
   "The Complete APR Equation of State".
8. Invited Talk: C. Constantinou, Workshop on Gross Properties of Nuclei and Nuclear Excitations,
   Hirschegg, Austria; January 19 2016,
   "Dense Matter in Supernovae and Compact Objects".
9. Invited Seminar: C. Constantinou, Stony Brook University, Stony Brook, NY; September 19 2012,
   "Thermal Effects in Supernova Matter".
10. Invited Seminar: C. Constantinou, McGill University, Montreal, Canada, April 3 2012,
    "The Supernova Equation of State: Potential vs. Field-Theoretical Approaches".

SELECTED PUBLICATIONS

1. Treating quarks within neutron stars, S. Han, M. A. A. Mamun, S. Lalit, C. Constantinou and M. Prakash, Phys. Rev. D 100, 103022 (2019).

2. The APR equation of state for simulations of supernovae, neutron stars and binary mergers, A. S. Schneider, C. Constantinou, B. Muccioli and M. Prakash, Phys. Rev. C 100, 025803 (2019).

3. Dense matter equation of state for neutron star mergers, S. Lalit, M. A. Al Mamun, C. Constantinou and M. Prakash, Eur. Phys. J. A 55, 10 (2019).

4. Pairing properties from random distributions of single-particle energy levels, M. A. Al Mamun, C. Constantinou and M. Prakash, Phys. Rev. C 97, 064324 (2018).

5. Enforcing causality in nonrelativistic equations of state at finite temperature, C. Constantinou and M. Prakash, Phys. Rev. C 95, 055802 (2017).

6. Degenerate limit thermodynamics beyond leading order for models of dense matter, C. Constantinou, B. Muccioli, M. Prakash and J. M. Lattimer, Ann. Phys. 363, 533-555 (2015).

7. Thermal properties of supernova matter: The bulk homogeneous phase, C. Constantinou, B. Muccioli, M. Prakash and J. M. Lattimer, Phys. Rev. C 89, 065802 (2014).