Tianqi Zhao

Personal Data

Address:	Dept. of Physics & Astronomy
	Ohio University
	Athens, OH, 45701
Phone:	+1(631)2416622
email:	zhaot@ohio.edu
webpage:	Github Page

Work Experience

Current	*Post-Doctoral Research Associate*
	Institute of Nuclear and Particle Physics, Ohio University
	I am working as an Postdoc in nuclear theory group led by Prof. Elster, Prof. Prakash and Prof. Phillips.
May 2016 - Nov 2021	*Research Assistant*
	Dept. of Physics & Astronomy, Stony Brook University
	I worked as an RA in nuclear astrophysics group led by Prof. Lattimer, Prof. Swesty, Prof. Calder and Prof. Zingale.
Aug 2015 - May 2016	*Teaching Assistant*
	Dept. of Physics & Astronomy, Stony Brook University
	I TAed AST248: Search for Life in the Universe and was responsible for grading and Q&A.

Education

2015 - 2021	Ph.D. in Physics,
	Dept. of Physics and Astronomy,
	Stony Brook University, New York, USA
2011 - 2015	B.S. in Physics,
	Dept. of Physics and Astronomy,
	Shanghai Jiao Tong University, Shanghai, China

Academic Interests

My research is nuclear physics and astrophysics involving neutron stars. I'm particular interested in the equation of state which relates properties of neutron stars to physics of dense matter. In order to study equation of state, I worked with Nuclear experiments, e.g. neutron skin experiment at Jefferson Lab as well as astronomical observation, e.g. X-ray observation (Nicer) and gravitational wave observation (LIGO).

Workshops & Summer Schools

July 2017	National Nuclear Physics Summer School 2017 XXIX University of Colorado, Boulder
Sep 2017	New York Area Computational Hydro Workshop at Flatiron Institute Center for Computational Astrophysics(CCA), Manhattan
Nov 2017	Workshop on Gravitational wave & Neutron Star Mergers Simons Center for Geometry and Physics, Stony Brook
May 2018	Neutron Star Mergers Summer School: GW170817 in the Multi-Messenger Astronomy and FRIB Eras FRIB, East Lansing
May 2019	First Frontiers Summer School & Frontiers in Nuclear Astrophysics Conference Michigan State University, East Lansing
Feb 2022	JINA-INT workshop on Neutron Star Cooling Institute for Nuclear Theory Seattle, Washington
Aug 2022	N3AS School on Multi-Messenger Astrophysics University of California, Santa Cruz

Conference & Presentation

Jun 2018	*Deformability constraints of neutron stars and hybrid quark stars* Compact stars in the QCD phase diagram(CSQCD VII) Advance Science Research Center, Manhattan
Oct 2019	*Radius, Tidal Deformability and EoS Bounds with Different EoS Parameterizations* Multi-Messenger Astrophysics in the Gravitational Wave Era(MMGW) Yukawa Institute for Theoretical Physics (YITP), Kyoto
Apr 2020	*EOS Constrains With Joint Observation of NICER PSR J0030+0451 and LIGO GW170817* American Physical Society (APS) April Meeting, Virtual
Apr 2020	*Quarkyonic Matter Equation of State in Beta-equilibrium* American Physical Society (APS) April Meeting, Virtual
Apr 2022	*Universal Relations for Neutron Star f-mode and g-mode Oscillations* American Physical Society (APS) April Meeting, New York Marriott Marquis, Manhattan
July 2022	*Universal relations for Nonradial Oscillations of Neutron Star* Neutron Rich Matter on Heaven and Earth (INT PROGRAM INT-22-2A) Institute for Nuclear Theory, Seattle
Oct 2022	*Constraining Nuclear Models from PREX and CREX Data on Lead-208 and Calcium-48 Neutron Skin Thicknesses* INPP fall seminar 2022 Institute for Nuclear and Particle Physics, Athens

Languages

Chinese:	Native Proficiency
English:	Bilingual Proficiency

Computer Skills

Currently Working with:	Python, Fortran, Mathematica Github, Linux
Some Knowledge with:	Maple, Java, C++