Suoqing Ji

CONTACT INFORMATION

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University of California Santa Barbara
Santa Barbara, CA 93106 USA

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EDUCATION

University of California Santa Barbara, Santa Babara, California USA

Ph.D. Candidate, Theoretical Physics

- Advisor: Peng Oh

M.A., Physics, June 2015

University of Massachusetts Dartmouth, Dartmouth, Massachusetts USA

M.S., Physics, June 2013

- Dissertation Title: *The Magnetic Evolution of Binary White Dwarf Merger Remnants*
- Advisor: Robert Fisher

Anhui Jianzhu University, Hefei, Anhui China

B.S. with Honors, Physics, June 2011

SELECTED HONORS AND AWARDS

Best Presentation, Graduate Simulation Seminar Series, UCSB, 2017

Worster Fellowship, Department of Physics, UCSB, 2015 & 2017

First Place, *Art of Science* Competition, UCSB, 2016

Paxton Fellowship for Theoretical Astrophysics, Kavli Institute for Theoretical Physics, UCSB, 2014

National Fellowship, Ministry of Education of China, 2010

PUBLICATIONS

S. Ji, S. P. Oh, and M. McCourt, *The impact of magnetic fields on thermal instability*, submitted to Monthly Notices of Royal Astronomical Society.

E. O. Nadler, S. P. Oh, and S. Ji, *On the Apparent Power Law in CDM Halo Pseudo Phase Space Density Profiles*, Monthly Notices of Royal Astronomical Society, 470, 500, 2017.

R. Kashyap, R. Fisher, E. García-Berro, G. Aznar-Siguán, S. Ji, and P. Lorén-Aguilar, *One-Armed Spiral Instability in Double-Degenerate Post-Merger Accretion Disks*, Astrophysical Journal, 840, 16, 2017.

S. Ji, S. P. Oh, M. Ruszkowski, and M. Markevitch, *The Efficiency of Magnetic Field Amplification at Shocks by Turbulence*, Monthly Notices of Royal Astronomical Society, 463, 3989, 2016.

D. van Rossum, R. Kashyap, R. Fisher, R. T. Wollaeger, E. García-Berro, G. Aznar-Siguán, S. Ji, and P. Lorén-Aguilar, *Light Curves and Spectra from a Thermonuclear Explosion of a White Dwarf Merger*, Astrophysical Journal, 827, 128, 2016.

R. Kashyap, R. Fisher, E. García-Berro, G. Aznar-Siguán, S. Ji, and P. Lorén-Aguilar, *Spiral Instability Drives Thermonuclear Detonations in Binary White Dwarf Mergers*, Astrophysical Journal Letters, 800, L7, 2015.

S. Ji, R. Fisher, E. García-Berro, P. Tzeferacos, G. Jordan, D. Lee, P. Lorén-Aguilar, P. Cremer, and J. Behrends, *The Post-Merger Magnetized Evolution of White Dwarf Binaries: The Double-Degenerate Channel of Sub-Chandrasekhar Type Ia Supernovae and the Formation of Magnetized White Dwarfs*, Astrophysical Journal, 773, 136, 2013.

STUDENTS (CO)ADVISED

Phillip Masterson (College of Creative Study, UCSB), 2016

Ethan Nadler (College of Creative Study, UCSB → Physics PhD program, Stanford University), 2015

Professional Service

`yt` Project Member **2014 – current**

Contributed to visualization functionalities including volume rendering in `yt`, which is a python package for analyzing and visualizing volumetric, multi-resolution data from astrophysical simulations and radio telescopes.

Talks and Seminars

Shanghai Astronomical Observatory, Chinese Academy of Sciences	Dec 2016
Tsinghua Center for Astrophysics, Tsinghua University	Dec 2016
The Kavli Institute for Astronomy and Astrophysics, Peking University	Dec 2016
Yunnan Observatories, Chinese Academy of Sciences	Jan 2016
Purple Mountain Observatory, Chinese Academy of Sciences	Jan 2016
School of Astronomy and Space Science, Nanjing University	Jan 2016
Department of Astronomy, University of Science and Technology of China	Dec 2015
School of Physics and Astronomy, Shanghai Jiaotong University	Dec 2015
Shanghai Astronomical Observatory, Chinese Academy of Sciences	Dec 2015
National Astronomical Observatories of China, Chinese Academy of Sciences	Dec 2015
School of Astronomy and Space Science, Nanjing University	Jul 2013