

Yize Dong

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EDUCATION

- University of California, Davis** *09/2018 - Present*
Ph.D in Physics, Dept. of Physics
- Xiamen University** *09/2013 - 07/2017*
B.S. in Astronomy, Dept. of Astronomy, School of Physical Science and Technology.
Major GPA: 3.85/4.0
- University of British Columbia** *07/2016 - 08/2016*
Summer Program: Our Dynamic planet and Earth Treasures

RESEARCH EXPERIENCES

- Research Project in Characterizing Protoplanetary Disks** *06/2018 - 08/2018*
Advisor: Dr. Wolff, Schuyler *Leiden/ESA Astrophysics Program, Leiden University*
- Characterized scattered light observations of young circumstellar disks via radiative transfer modelling
- Research Project in identifying black hole candidates** *03/2018 - 06/2018*
Advisor: Prof. Gu, Weimin *Dept. of Astronomy, Xiamen University*
- Identified BH candidates by using LAMOST data.
- Research Project in Searching for X-ray Binary Candidates** *07/2017 - 01/2018*
Advisor: Prof. Liu, Jifeng *National Astronomical Observatories of China*
- Searched for X-ray binary candidates utilizing data from ROSAT (2RXS) and XMM-Newton.
- Research Project in Modeling GRBs** *03/2015 - 07/2017*
Advisor: Prof. Gu, Weimin *Dept. of Astronomy, Xiamen University*
- Proposed that the violent accretion process in the black hole-white dwarf system can work as the central engine for long GRBs without supernova association
 - Resulted in a first-author MNRAS paper published in 2018
- Research Project in Modeling FRB 121102** *02/2016 - 07/2016*
Advisor: Prof. Gu, Weimin *Dept. of Astronomy, Xiamen University*
- Proposed a neutron star-white dwarf binary system model for the FRB repeaters
 - Resulted in a second-author ApJL paper published in 2016

PUBLICATIONS

- Gu, Wei-Min; **Dong, Yi-Ze**; Liu, Tong; Ma, Renyi; Wang, Junfeng. "A Neutron Star-White Dwarf Binary Model for Repeating Fast Radio Burst 121102." 2016, ApJL, 823, L28.
- Dong, Yi-Ze**; Gu, Wei-Min; Liu, Tong; Wang, Junfeng. "A Black Hole - White Dwarf Compact Binary Model for GRBs without accompanying supernovae." 2018, MNRAS, 475, L101

ACTIVITIES

Internship at Shanghai Astronomical Observatory, 07/2015

Internship at Leiden Observatory, 06/2018-08/2018

CONFERENCES

**Xiamen University and Beijing Normal University
Astrophysics Symposium** *05/2017*

- Gave a talk entitled “Close binary models for GRBs and FRBs”

Undergraduate Astronomy Symposium of Peking University *10/2016*

- Gave a talk entitled “Models for GRBs and FRBs”

**Xiamen University and Shanghai Astronomical Observatory
Astrophysics Symposium** *08/2016*

- Gave a talk entitled “A Neutron Star–White Dwarf Binary Model for Repeating Fast Radio Burst 121102”

AWARDS & HONORS

- Outstanding Graduate Student, 2017 (**10%**)
- National Scholarship, Ministry of P.R. China, 2016 (**1%**)
- First Prize in National Contemporary Undergraduate Mathematical Contest In Modeling, China Society for Industrial and Applied Mathematics, 09/2015 (**1%**)
- Second Prize of Lin Qiao Prize for Excellent Undergraduate Research Projects In Astronomy and Astrophysics, Peking University, 10/2016
- Guang Qi Prize, Shanghai Astronomical Observatory, Chinese Academy of Science, 04/2016
- First Prize in Undergraduate Scholarship for the Outstanding Academic Project, Xiamen University, 2015
- Scholarship of Academic Excellence, Xiamen University, 2014

SELECTED COURSES

90/100 Theoretical Mechanics	91/100 Electrodynamics
96/100 Thermodynamics and Statistical Physics	99/100 Quantum Mechanics
96/100 Introduction to Galaxies and Cosmology	96/100 Observational Astrophysics
100/100 C Language Programming	92/100 Methods of Mathematical Physics A

SKILLS

- C Programming, Matlab, R and \LaTeX
- Good at playing the violin