

EDUCATION

University of Science and Technology of China

Major: Astronomy/Astrophysics

School: School of Physical Sciences

August 2017 - present

RESEARCH EXPERIENCES&Supervisors/Referees

Simulations of radiative turbulent mixing layers

California Institute of Technology

Summer 2020

Mentored by Suoqing Ji, Philip F. Hopkins

The formation of seed black holes

Yunnan Observatories, Chinese Academy of Sciences

July 2019 - June 2020

Mentored by Xiaobo Dong, Runyu Meng

RELEVANT COURSES&GRADES

| Course Title | Score | Course Title | Score |
|---|-------|--|-------|
| Introduction to Astromechanics and Astrometry | 95 | Thermodynamics and Statistical Physics | 100 |
| Optics | 94 | Observational Astronomy | 92 |
| Thermal Physics | 91 | Theoretical Mechanics A | 88 |
| Introduction to Astronomy | 95 | Electrodynamics | 93 |
| Atomic Physics | 92 | Space and Time | 90 |

VISITS

| | |
|--|-----------|
| Shanghai Astronomical Observatory, Chinese Academy of Sciences | Jan 2020 |
| Five-hundred-meter Aperture Spherical Telescope (FAST) | July 2019 |

RESEARCH INTERESTS

I'm interested in various astrophysical topics, such as **black hole** formation, **CGM** related problems (e.g., **turbulent mixing layers**). And I've been doing some work on the formation of **seed-BHs**, and dedicated to research on turbulent mixing layers for solving mid ions related problems. Besides, I am also eager to get to know more about **observational astronomy** and **cosmology theories**.

AWARDS&HONORS

| Scholarship Title | Date |
|------------------------------------|------|
| National Encouragement Scholarship | 2020 |
| Outstanding Student Scholarship | 2019 |
| Zhang Zongzhi Sci-Tech Scholarship | 2018 |

SKILLS

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|-------------------------|--|
| Programming languages | <i>C, Python, Fortran</i> |
| Simulation codes | <i>FLASH, GADGET, RAMSES</i> |
| Document preparation | <i>Markdown, L^AT_EX</i> |
| Technical computing | <i>Mathematica</i> |
| Image tools | <i>ds9</i> |
| Graphing utilities | <i>Origin, Gnuplot</i> |
| Graphical system design | <i>Labview</i> |