

Yu-Chia Lin

yuchialin@arizona.edu

EDUCATION

The University of Arizona

06/2022 -

- Physics with Astrophysics Concentration
- Ph.D. Candidate
- *GPA 4.0/4.0*

The University of New Mexico

08/2020 - 06/2022

- Physics with Astrophysics Concentration
- Master's Degree

National Taiwan University

09/2015 - 07/2020

- Double Degree of BS in Electrical Engineering and Physics with a minor in Mathematics

PUBLICATIONS

- Kate Y. L. Su, ... , **Yu-Chia Lin**, ..., “RZ Piscium Hosts a Compact and Highly Perturbed Debris Disk”, The Astrophysical Journal, vol. 959, no. 1, 2023.
[doi:10.3847/1538-4357/ad04d9](https://doi.org/10.3847/1538-4357/ad04d9)
- **Yu-Chia Lin**, Huaiyu Duan, “Collision-induced flavor instability in dense neutrino gases with energy-dependent scattering”, Physical Review D, vol. 107, no. 8, 2023.
[doi:10.1103/PhysRevD.107.083034](https://doi.org/10.1103/PhysRevD.107.083034)
- **Lin, Y.-C.**, Matsumoto, Y., and Gu, P.-G., “Formation of Multiple-planet Systems in Resonant Chains around M Dwarfs”, The Astrophysical Journal, vol. 907, no. 2, 2021.
[doi:10.3847/1538-4357/abd0f3](https://doi.org/10.3847/1538-4357/abd0f3)

PRESENTATIONS

Invited talks

- Emerging Researchers in Exoplanet Science Symposium 2023
 - Study the Exozodi Effect on the Direct Imaging of Exoplanetary Systems
- Academia Sinica Institute of Astronomy and Astrophysics (ASIAA) Lunch Talk 2023
 - Hurdling Exozodiacal Dust Challenges in Habitable Exoplanet Direct Imaging: Harder Than Anticipated?

Poster

- 2023 Sagan Summer Workshop
 - Study the Exozodi Effect on the Direct Imaging of Exoplanetary Systems via Coronagraph

RESEARCH and TEACHING EXPERIENCE

The University of Arizona

- Graduate Student Research Assistant 06/2022 -
 - Supervisor: Ewan S Douglas

The University of New Mexico

- Graduate Student Research Assistant 07/2021 - 06/2022
 - Supervisor: Huaiyu (Mike) Duan
- Classical Mechanism and Thermal Physics TA 09/2020 - 06/2021
- Electrodynamics TA 01/2022 - 05/2022

Institute of Astronomy and Astrophysics, Academia Sinica

- Undergraduate Student Research Assistant 03/2019 - 01/2021
 - Simulation about the formation of compact protoplanet systems around M dwarfs
 - Mentor: Pin-Gao Gu
 - Supervisor: Yuji Matsumoto

National Taiwan University

- General Physics and Calculus Tutor 09/2015 - 08/2020
- Classical Electrodynamics TA 09/2019 - 06/2020

AWARDS

University of Arizona William S. Bickel Graduate Fellowship 2023

University of Arizona Graduate College Fellowship 2022

National Taiwan University Student Outstanding Performance Award 2019

Dr. Yici He Memorial Scholarship 2017

- Highest distinction to students wishing to study abroad based on their academic achievements

International Physics Olympiad (IPhO) 2015

- Gold medal

Asian Physics Olympiad 2015

- Gold medal

FELLOWSHIPS

Studying Abroad Government Fellowship for outstanding performance in IPhO

- Fellowship for outstanding IPhO performance to study abroad

Government Fellowship for studying abroad

- Fellowship for the most exceptional student in the field of Cosmology
- The only person accepted by this Fellowship in the past seven years