

# Yu-Chia Lin

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## EDUCATION

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### The University of Arizona

06/2022 -

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

### The University of New Mexico

08/2020 - 06/2022

- *Physics with Astrophysics Concentration*
- GPA 3.94/4.33
- Ph.D. program, receive a master's degree on the way to Ph.D.

### National Taiwan University

09/2015 - 07/2020

- *Double degree of BS in Electrical Engineering and Physics with a minor in Mathematics*
- GPA 3.96/4.3
- Major GPA: 4.11/4.3(Physics) 4.07/4.3(E.E)

## PUBLICATIONS

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- 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
- Yu-Chia Lin, Huaiyu Duan, “Collision-induced flavor instability in dense neutrino gases with energy-dependent scattering”, *American Physical Society*, vol. 107, no. 8, 2023. doi:10.1103/PhysRevD.107.083034
- Kate Y. L. Su, Grant M. Kennedy, G. H. Rieke, A. Meredith Hughes, Yu-Chia Lin, et al. “RZ Piscium Hosts a Compact and Highly Perturbed Debris Disk”, *The Astrophysical Journal*, under review

## PRESENTATIONS

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### Invited talk

- Emerging Researchers in Exoplanet Science Symposium 2023
  - Study the Exozodi Effect on the Direct Imaging of Exoplanetary Systems

### Poster

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

## RESEARCH and TEACHING EXPERIENCE

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### 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

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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

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### 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