## Kan Chen

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### Education

• University College London (UCL)	2021.11 - 2025.5
PhD candidate in Astrophysics	London, UK
Supervisors: Dr. Mihkel Kama & Dr. Paola Pinilla	
• University of Cambridge	2019.9 - 2020.6
MASt (=MSc) in Astrophysics	$Cambridge,\ UK$
Supervisor: Dr. Marco Tazzari	
Thesis: Characterising the Properties of Protoplanetary Disks with ALMA	
• Nanjing University (NJU)	2017.9 - 2019.6
Master candidate of Astrometry and Celestial Mechanics	Nanjing, China
• Sun Yat-sen University (SYSU)	2013.8 - 2017.6
BEng in Theoretical and Applied Mechanics	Guangzhou, China

## Research Interests

- Protoplanetary disks: simulations of planet-forming disk substructures and kinematics
- Planet formation: theory, in the context of streaming instability
- Disk observations: characterize protoplanetary disk properties with ALMA data

## Publications [ADS]

- Mind the kinematics simulation of planet-disk interactions: time evolution and numerical resolution Chen, K., & Dong, R. 2024, ApJ, 976, 49
- Planet Gap-opening Feedback on Disk Thermal Structure and Composition Chen, K., Kama, M., Pinilla, P., & Keyte, L. 2024, MNRAS, 527, 2049
- How Efficient Is the Streaming Instability in Viscous Protoplanetary Disks? Chen, K., & Lin, M.-K. 2020, ApJ, 891, 132

#### Awards

$\bullet$ Joint Scholarship of UCL Dean's Prize & China Scholarship Council (£42,200 $\times$ 4)	2021-2025
• UCL Astro annual research grant $(£1,200\times4)$	2021-2025
• UCL Physics and Astronomy PhD Student Conference Fund (£1,100)	2023-2024
• UCL Astro small grants (£1,000)	2023-2024
• ASIAA visiting studentship (£1,200)	2019
• The First Prize Postgraduate Admission Scholarship, NJU (£1,000)	2017
• ASIAA summer studentship (£800)	2017
• The First Prize Scholarship, SYSU (top 3%, £220)	2014-2015
• Meritorious Winner, Mathematical Contest in Modeling (USA)	2015

# Scientific Talks and Presentations

2025.2 2025.2 2024.12 2024.12 2024.12 a 2024.12
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# Outreach and professional development

Outreach	
• Mentor, In2ScienceUK initiative <sup>1</sup>	2023.7
• Mentor, Shift25 initiative <sup>2</sup>	2023.7
Professional development	
• EXOHOST school on Planet formation and populations, Tartu, Estonia	2024.9
• European ALMA School 2024, Manchester, UK	2024.6

<sup>&</sup>lt;sup>1</sup>https://in2scienceuk.org <sup>2</sup>https://www.shift25.org.uk

• ASIAA Summer Student Program, Taipei, Taiwan	2017.7-2017.8	
• TIARA Summer School on Origins of the Solar System, Taipei, Taiwan	2018.7	
• Sagan Exoplanet Summer Workshop, online	2021.6	
• 1st Dustbusters School on Protoplanetary Disks, Gargnano, Italy	2022.5	