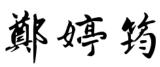
# Ting-Yun CHENG (Sunny)



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### Education

### School of Physics and Astronomy, University of Nottingham **PhD** in Physics

Nottingham, United Kingdom Oct 2017 - Oct 2020

- Supervisor: Prof. Christopher J. Conselice and Prof. Alfonso Aragón-Salamanca
- Thesis: The Narrative of Galaxy Morphological Classification Told Through Machine Learning

### Institute of Astronomy, National Tsing Hua University **MSc in ASTRONOMY**

Hsinchu, Taiwan Sep 2014 - Aug 2016

- Supervisor: Prof. Ing-Guey Jiang
- Thesis: Investigating Dark Matter Distribution in Early-Type Galaxies

### Department of Physics, National Taiwan Normal University **BSc in PHYSICS**

Taipei, Taiwan Sep 2010 - Jun 2014

# **Work Experience**

**Department of Physics, Durham University** Postdoctoral Research Associate, Grade 7 — Annual Income: £38,474

Durham, United Kingdom *Nov* 2020 — *Now* 

## **Teaching Experience**

### **Department of Physics, Durham University**

Durham, United Kingdom *Nov* 2020 — *Now* 

- Year 1 Laboratory Demonstrator
  - · Weekly laboratory demonstration
  - · Formative and summative report marking and feedback
  - Oral presentation examination and feedback
- · Supervision: L4/Master projects.
  - V. Desai, 2022/2023, Master of Physics
  - T. M. Hehir, 2022/2023, Master of Physics
  - S. M. William, 2021/2022, Master of Physics, Class I (Honours)
  - A. Lowe, 2021/2022, Master of Physics, Class II Division 1 (Honours)
- Supervision: UG summer projects
  - · S. Bilacz, 2023 Jul-Aug, Physics

### School of Physics and Astronomy, University of Nottingham

Nottingham, United Kingdom Oct 2017 - 2020

- Coursework Marker, 2017—2020
  - PHYS1001 (F31CO1): From Newton to Einstein
  - PHYS1004 (F31QP1): Quantitative Physics

### Institute of Astronomy, National Tsing Hua University

Hsingchu, Taiwan Sep 2015 – Aug 2016

- Teaching Assistant for Summer Program in Astrophysics
  - The program included one-week lectures of General Astronomy and the tutorial of astronomical softwares, twodays observation trip at the Lulin Observatory (Taiwan), data analysis, and seminars.
- Teaching Assistant
  - Compulsory course ASTR610000: Observational Astronomy

### **Department of Physics, National Tsing Hua University**

Hsingchu, Taiwan Sep 2014 – Aug 2016

Jul 2019 - Aug 2019

- Teaching Assistant
  - Optional course PHYS317000: Numerical Analysis
  - Optional course PHYS241000: General Astronomy (I)
  - Optional course PHYS242000: General Astronomy (II)

# **Observation Proposal**

(Approximately \$2000)

· Issac Newton Telescope/INS, Spain, August 2023, 4 nights

Awards and Grants ————————————————————————————————————	
Dark Energy Survey Travel Grant	Fermilab
<ul> <li>Supporting excellent early career researchers to attend DES Fall collaboration meeting (\$1600)</li> </ul>	United States Aug 2023
Discretionary Award	Durham University
<ul> <li>For exceptional contribution within the role as Post Doctoral Research Associate to Durham University</li> </ul>	United Kingdom Jul 2023
Physics Department Award for Excellence	Durham University
For contributing extensively to the health and well-being of the astronomy group.	United Kingdom Sep 2022
The Alan Turing Institute Post- Doctoral Enrichment Awards	The Alan Turing Institute
<ul> <li>The award offer flexible funds to top researchers in data science to build on their current research and develop and grow activities. (£2000)</li> </ul>	United Kingdom 2022
Graduate School Travel Prize	University of Nottingham
<ul> <li>The prize supports postgraduate students at the University of Nottingham to attend national/international conference/meeting. (£600)</li> </ul>	United Kingdom Sep 2019
Conference/Meeting Travel Grants	Royal Astronomical Society
<ul> <li>The prize supports researchers to attend national/international conference/meeting. (£300)</li> </ul>	United Kingdom Aug 2019
Kavli Student Fellow	UC Santa Cruz
• Stipend offers to the selected fellow of the Kavli Summer Program in Astrophysics.	United States

### Vice-Chancellor's Scholarship for Research Excellence (International)

 PhD living stipend and full tuition awarded to top international applicants. (£20,700+£12,000 annually) University of Nottingham
United Kingdom
2017 – 2020

### **ASROC Special Award for Oral Presentation**

 Awarded to an excellent postgraduate student at the Annual Meeting of the Astronomical Society in Taiwan (ASROC). Astronomical Society ROC
Taiwan
2016

### **Academic Service**

- Referee for peer-review Journals: MNRAS, ASCOM, ApJ, A&A, Phys. Rev, PASP, RASTI
- Academic Enrichment

### Dark Energy Survey (DES) Organisation

- i) Co-convener of the Galaxy evolution & QSO working group (Dec 2022-)
- ii) Early Career Mentor-Mentee program (2023/2024): Mentor for undergraduate/graduate students in DES

### Dark Energy Spectroscopic Instrument (DESI) Organisation

- i) DESI Education and Public Outreach (EPO) Committee (Aug 2023-)
- ii) Early Career Mentor-Mentee program (2023/2024): Mentor for undergraduate/graduate students in DESI

### **Astronomy and Computing (ASCOM)**

- ASCOM is a peer-reviewed journal, published by Elsevier, that focuses on the broad area between astronomy, computer science, software development and information technology.
  - i) Early Career Researcher editorial board (November 2022-)
  - ii) **Co-editor** of a special edition: "Machine Learning Techniques in Modern Astronomy" (in preparation)

### **Taiwanese Young Researcher Association (TYRA)**

- Project Tyra provides a platform for Taiwanese young researchers in diverse research fields to share their academic experience and develop collaborations with each other.
  - i) IT supports (April 2022–)
  - ii) Chair of weekly seminar (Oct 2022-)

### Centre for Astronomy and Particle Theory, University of Nottingham

i) Organiser of weekly lunch talk at CAPT (2019-2020)

### Student Union, Physics department, National Taiwan Normal University

- i) Academic activity leader (2012-2013)
- ii) Orientation event organiser (2012)
- iii) Outreach activity leader of the Physics camp for 15-18y students (2011-2012)