

Meng Gu

Contact Information

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Homepage

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SCIENTIFIC INTERESTS

- Galaxy Formation and Evolution
- Stellar Population and the Stellar Initial Mass Function
- Low Surface Brightness Observations of Galaxies
- Environmental Impact on Galaxy Evolution

COLLABORATION

- **Continuing Participant** of the Prime Focus Spectrograph (PFS) Survey

RESEARCH EXPERIENCE

Assistant Professor

Department of Physics, The University of Hong Kong
Hong Kong

Mar. 2024 – Now

Postdoctoral Fellow

Carnegie Observatories
Pasadena, CA, USA

Sep. 2022 – Feb. 2024

Henry Norris Russell Postdoctoral Fellow

Department of Astrophysical Sciences, Princeton University
Princeton, NJ, USA

Sep. 2019 – Aug. 2022

Post-doc Researcher

Department of Astronomy, Harvard University
Cambridge, MA, USA

Jul. 2019

EDUCATION

Ph.D., Astronomy & Astrophysics

NSF Graduate Research Fellow

Department of Astronomy, Harvard University
Cambridge, MA, USA

Advisor: Prof. Charlie Conroy

May. 2016 – Jun. 2019

M.A., Astronomy & Astrophysics

NSF Graduate Research Fellow

Department of Astronomy, Harvard University
Cambridge, MA, USA

Sep. 2014 – May. 2016

Graduate student,

Department of Astronomy, University of California, Santa Cruz
Santa Cruz, CA, USA

Sep. 2013 – Sep. 2014

Bachelor of Science,

School of Astronomy and Space Sciences, Nanjing University
Nanjing, Jiangsu, P. R. China

Sep. 2008 – Jun. 2013

Student Intern, Carnegie Observatories,

Pasadena, CA, USA

Advisor: Dr. Luis Ho

Apr. 2011 Feb. 2012

PROFESSIONAL SERVICE	• Monthly Notices of the Royal Astronomical Society	Referee
	• The Astrophysical Journal	Referee
OTHER SERVICE	• Co-organizer of Princeton Galread Extragalactic Seminar	2020-2022
	• Co-host of Carnegie Morning Tea Time	2022-2023
APPROVED PROPOSALS	• JWST Cycle 3 <i>Early Quiescent Galaxies Under the Magnifying Glass</i>	Co-PI
	• Magellan/FIRE Proposal 2022B-2023B	PI
	• Magellan/LDSS3 Proposal 2023B <i>The Initial Mass Function in Low Metallicity Quiescent Galaxies</i>	PI
	• Magellan/LDSS3 Proposal 2022B <i>Redshift confirmation of Ultra-Diffuse Galaxies hosted by Milky-Way analogs at $0.01 < z < 0.04$</i>	Co-I
	• Magellan/IFU-M Proposal 2022B <i>High-resolution $H\alpha$ rotation curves of star-forming ultra diffuse galaxies with the new IFU-M spectrograph</i>	Co-I
	• Magellan/LDSS3 Proposal 2021B+2023B <i>Dynamical and Stellar Population Constraints on the Global and Local Variation of the Initial Mass Function in Massive Galaxies</i>	PI & Co-I
	• Magellan/LDSS3 Proposal 2021A <i>Environmental Dependence of Stellar and Gas-phase Chemistry in Galaxy Groups and Clusters at ≈ 0.1</i>	PI & Co-I
OBSERVING EXPERIENCE	• Magellan/LDSS3 (Optical Multi-slit and Long-slit Spectroscopy)	
	• Magellan/IFU-M (Integral Field units for Magellan)	
	• Magellan/ROSIE (The Reformatting Optically-Sensitive IMACS Enhancing IFU)	
	• Magellan/IMACS (Optical Multi-slit Spectroscopy)	
	• Magellan/FIRE (Infrared Spectroscopy)	
	• SDSS IV/MaNGA (Optical Integral Field Spectroscopy)	
TALKS	• Invited Colloquium at Indiana University	Oct. 2023
	• Invited Colloquium at the University of Hong Kong	Jun. 2023
	• Invited Colloquium at the IFA, HI, USA	Feb. 2023
	• Southern California Galaxy Formation Meeting, Pasadena, CA	Sep. 2022
	• 240th AAS Meeting, Pasadena, CA	Jun. 2022
	• Invited Carnegie Observatories Lunch Talk, Pasadena, CA	Apr. 2022
	• Galaxy Cluster Meeting at University of Michigan	Dec, 2021
	• Astronomy and Astrophysics Seminar at Tsung-Dao Lee Institute	Dec, 2021
	• Contributed Talk at EAS Annual Meeting 2021	Jun. 2021
	• Princeton Galread Extragalactic Seminar, Princeton, NJ	May. 2021
	• Invited Colloquia at UMass Amherst, USA	Nov. 2019

- Galaxies & Cosmology Seminar, CfA, USA Sep. 2018
- Santa Cruz Galaxy Workshop, USA Aug. 2018
- Stellar Halos across the Cosmos in Heidelberg, Germany Jul. 2018
- SDSS-IV Collaboration Meeting in Seoul, South Korea Jun. 2018
- SDSS-IV/MaNGA Collaboration Meeting in Campeche, Mexico Dec. 2017
- MaNGA Team Meeting in Shanghai, China Nov. 2016
- SDSS-IV Collaboration Meeting in Madison, USA Jun. 2016