

# Man I Lam | Curriculum Vitae

Leibniz-Institut für Astrophysik Potsdam (AIP)

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## Research Interests

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Data Mining and modeling galaxies in large survey

Galactic fountain effect using imaging and spectroscopic survey

## Research Experience

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Postdoctoral Researcher, Leibniz-Institut für Astrophysik Potsdam (AIP) (2018.06 - now)

Postdoctoral Researcher, Shanghai Astronomical Observatory, CAS (2015.01 - 2018.05)

## Education

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### Doctor of Philosophy

National Astronomical Observatories, Chinese Academy of Sciences (2008 - 2014)

Advisor: Prof. Hong Wu

Thesis: The Studies of Infrared Properties of Nearby Galaxies and Observations of Low Surface Brightness Galaxies

### Bachelor of Science

School of Astronomy and Space Science, Nanjing University (2004 - 2008)

Major: Astronomy

## Selected Allocations of Telescope Time

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### Palomar Observatory Hale Telescope, 5-m telescope

*Investigating the nature of the extended disks in Giant low surface brightness galaxies, Co-I, 2 nights in 2016*

*Testing the X-ray emission mechanism of the superwind of M82, Co-I, 1 nights in 2013*

### MMT Observatory, 6.5-m telescope

*MMT Hectospec Redshift Survey of FIR/Submm and MIR sources in the H-ATLAS SDP Field, Co-I, 1 nights in 2013*

## Selected Talks, Conferences and Schools

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Conference: 4MOST All-Hands-Meeting, Oral, 2019, Potsdam

Conference: WEAVE-Apertif Science Meeting, Oral, 2019, Spain

Conference: 4MOST All-Hands-Meeting, Oral, 2018, Heidelberg

Seminar: University of Science and Technology, 2017, Hefei, China

Conference: The KIAA-SHAO Bilateral Meeting, Oral, 2017, Shanghai, China

Conference: The C-MaNGA Team Meeting, Oral, 2017, Nanjing, China

Conference: The Annual Meeting of Chinese Astronomical Society, Oral, 2016, Wuhan, Hubei, China

Conference: The Second C-MaNGA Meeting, Oral, 2015, Nanjing, China

Conference: The MaNGA Team Meeting & Workshop, LOC, 2016, Shanghai, China

## Computer Skills

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Skilled with Python & IDL. Small test tools can be found on GitHub: @MinnieLam

Skilled with UI package: PyQT5

Skilled with project management tools: DOORS, JIRA, Confluence, Slack

Familiar with Machine Learning packages Scikit-learn, Keras

Familiar with PostgreSQL

Skilled with spectroscopic quality assurance, based on both L1 and L2 data products

Spectroscopy: long-slit, multi-fibers & IFU spectroscopy

Stellar Population Synthesis: PyParadise, pPXF & Starlight

2D Photometric Decomposition: GALFIT

SED Fitting: MAGPHYS, CIGALE

Photoionization/Shock Model: MAPPINGS

Interferometry: MIRIAD & CASA

## Grants

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'The Integral Field Spectroscopy Survey of Extra-planar Gas in Nearby Edge-on Galaxies', Research Fund for Young Scientists, the National Natural Science Foundation of China, Principle Investigator (2017)