

Man I Lam | Curriculum Vitae

Leibniz-Institut für Astrophysik Potsdam (AIP)

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📄 https://github.com/Minnielaam/Simple_Test

Research Experience

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

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

Education

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

First Author Journal Publications

1. 'The H I-dominated Low-surface-brightness Galaxy KKR 17', *Man I Lam*, Hong Wu, Ming Yang, et al., [2015, MNRAS, 446, 4291](#)
2. 'The Discovery of 64 Luminous Infrared Galaxies in the LAMOST Complete Spectroscopic Survey of Pointing Area at Southern Galactic cap', *Man I Lam*, Hong Wu, Ming Yang, et al., [2015, RAA, 13, 179](#)
3. 'Far-Infrared and Sub-millimeter Properties of SDSS Galaxies in Hershel ATLAS Science Demonstration Phase Field', *Man I Lam*, Hong Wu, Yi-Nan Zhu, et al., [2013, RAA, 13, 179](#)

Other Journal Publications (Recent 5 yrs)

1. '4MOST: Project overview and information for the First Call for Proposals' de Jong, R. S. et al. 2019, ESO Messenger, 175, 3
2. '4MOST Scientific Operations', Walcher, C. J. et al., 2019, ESO Messenger, 175,12
3. '4MOST Survey Strategy Plan', Guiglion, G., et al., 2019, ESO Messenger, 175,17
4. 'Interpreting the Star Formation-Extinction Relation with MaNGA', Huan Li, ... (5) *Man I Lam* 2019, ApJ, 872, 63
5. 'Red supergiant stars in the Large Magellanic Cloud. II. Infrared properties and mid-infrared variability', Ming Yang, ...(7) *Man I Lam* et al., 2018, A&A, 616, 175
6. 'An H α Imaging Survey of the Low-surface-brightness Galaxies Selected from the Fall Sky Region of the 40% ALFALFA H I Survey', Feng-Jie Lei, ...(4) *Man I Lam* et al., 2018, ApJS, 235, 18
7. 'The LAMOST Complete Spectroscopic Survey of Pointing Area (LaCoSSPAr) in the Southern Galactic Cap I. The Spectroscopic Redshift Catalog', Ming Yang, ...(4) *Man I Lam* et al., 2018, ApJS, 234, 5

8. 'FGK 22 μ m Excess Stars in LAMOST DR2 Stellar Catalog', Chao-Jian Wu, ...**(6) Man I Lam** et al., 2016, RAA, 16, 102
9. 'An Isolated Compact Galaxy Triplet', Shuai Feng, ...**(6) Man I Lam** et al., 2016, RAA, 16, 72
10. 'Low Surface Brightness Galaxies Selected from the 40% Sky Area of the ALFALFA H I Survey. I. Sample and Statistical Properties', Wei Du, ... **(3) Man I Lam** et al., 2015, AJ, 149, 199
11. 'The star formation rates of the star-forming galaxies from the WISE All-Sky Survey', Xiao-Qing Wen, ...**(5) Man I Lam**, et al., 2014, MNRAS, 438, 97
12. 'Metallicity and star formation activities of the interacting system Arp 86 from observations with MOS on the Xinglong 2.16 m telescope', Zhi-Min Zhou, ... **(7) Man I Lam** et al., 2014, RAA, 14, 1393
13. 'Quantifying the Heating Sources for Mid-infrared Dust Emissions in Galaxies: The Case of M 81', N. Lu, ...**(7) Man I Lam** et al., 2014, ApJ, 797, 129

Research Interests

Galaxy evolution (observational & computation): gas cycling process in galaxies, the star formation & AGN driven feedback, galaxy environmental evolution

Professional Skills

Skilled with Python & IDL

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

Skilled with UI package: PyQt5

Familiar with Machine Learning packages Scikit-learn, Keras

Familiar with PostgreSQL

Spectroscopy (Python): long-slit, multi-fibers & IFU spectroscopy

Grants

'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)