

YUNTING WANG

Building 17, Xiamen University, Xiamen, Fujian, China
+86-188-5051-9719 \diamond wangyunting@stu.xmu.edu.cn

EDUCATION

Xiamen University

Sep. 2017 - Present

Junior Undergraduate, Dept. of Astronomy

- Overall GPA: 87.06/100 Rank: 2/12
- TOFEL iBT: 111/120. Reading: 30, Listening: 28, Speaking: 27, Writing: 26.

RESEARCH EXPERIENCE

Research Project on Diffuse Ionized Gas

Jul. 2019 - Present

Advisor: *Prof. Lei Hao* Shanghai Astronomical Observatory, Chinese Academy of Sciences

- Explored distributions of [NII] and [SII] in SDSS IV MaNGA(Mapping Nearby Galaxies at APO) MPL-8 data of 6500 galaxies with their classifications by mapping $[H\alpha]/[NII] - [H\alpha]/[SII]$.
- Discovered two sources with unusually prominent [NII]/[SII] ratio(similar to extreme starbursts) in the galaxy center and one off the center.
- Extracted spectroscopy of these sources and mapped their flux and dynamic properties with MaNGA two-dimensional data to exclude possible mechanisms.
- Currently working on extracting the Na I D doublets of MaNGA samples and correlating the outflow signature with their emission line properties to figure out mechanisms for extreme [NII]/[SII] ratio.

HONORS & AWARDS

Guangqi Scholarship of Shanghai Astronomical Observatory, Chinese Academy of Sciences 2nd prize, 03/2019

Scholarship of Academic Excellence 1st prize, Xiamen University, 10/2018

Guangqi Scholarship of Shanghai Astronomical Observatory, Chinese Academy of Sciences 3rd prize, 05/2018

SELECTED COURSES

99/100 Introduction to Galaxies and Cosmology

98/100 Introduction to Astrophysics

92/100 Thermodynamics and Statistical Physics

91/100 Observational Astrophysics

90/100 Theoretical Mechanics

92/100 Quantum Mechanics

95/100 C Language Programming

SKILLS

Computer skills: Python, LaTeX, C/C++, Linux, Machine Learning

Experienced with: SDSS MaNGA data

Languages: Chinese, English

EXTRACURRICULAR

Minister of Publicity Department, College Youth Volunteers Association

Sep. 2017 - Oct. 2019

- Organized and participated a long-term voluntary program to give talks on science popularization to local schoolchildren.

Journalist of School Newspaper

Oct. 2017 - Jul. 2018