

# Rau, Shiau-Jie

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## RESEARCH EXPERIENCE

2019 M.S. at National Tsing Hua University

- Study type 1a supernovae with Professor Kuo-Chuan Pan

2018 Summer Student at Institute of Astronomy and Astrophysics, Academia Sinica

- Study PAH evolution in galaxies with Dr. Hiroyuki Hirashita

2016 Summer Student at Institute of Physics, Academia Sinica

- Simulate signal from cosmic ray - Analysis data from Ge detector

## PUBLICATIONS

### *Paper:*

1. Modelling the evolution of PAH abundance in galaxies

(With H. Hirashita and M. Murga, 2019. DOI: 10.1093/mnras/stz2532)

### *Others:*

1. Characterizing Surviving Companions After Type Ia Supernova explosions

(Poster at 2020 Physical Society of Taiwan Annual Meeting)

2. Modeling the Evolution of PAH abundance in galaxies

(Oral at 2019 Astronomical Society of the Republic of China Annual Meeting)

3. Characterizing the surviving companion after a type Ia supernova explosion

(Poster at 2019 Astronomical Society of the Republic of China Annual Meeting)

# **EDUCATION**

**National Tsing Hua University, Hsinchu, Taiwan**

- (2019~) M.S. in Physics (GPA: 4.30/4.30)
- (2015~2019) B.S. in Physics (GPA: 4.01/4.30)

# **HONOR**

**2019 Graduate with honor from National Tsing-Hau University, Department of Physics**

**2018 Spring Semester Lu Tian-Hui Scholarship**

**2017 Fall Semester Ma Shang-Kenh Scholarship**

**2017 Spring Semester Outstanding Academic Achievement Award**

**2016 Spring Semester Outstanding Academic Achievement Award**

# **OTHER EXPERIENCE**

**2020 Spring Semester**

- Teaching assistant, General Physics B II
- Teaching student in challenge, Quantum Mechanics

**2019 Fall Semester**

- Teaching student in challenge, Quantum Mechanics

**2018 Fall Semester**

- Teaching assistant, Theoretical Mechanics

**2018 Spring Semester**

- Teaching student in challenge, Applied Math