

湯士昀
Shih-Yun Tang

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<https://shihyuntang.github.io>

- Nationality** - Taiwan
- Education**
- **Northern Arizona University**, Flagstaff, AZ, USA — PhD, Astronomy and Planetary Sciences
Jan 2020 — Now
 - Advisors: Dr. Lisa Prato (Lowell Observatory) and Prof. Tyler Robinson (NAU)
 - **National Central University**, Taiwan — M.S., Physics (GPA 3.88/4.0)
June 2019
 - Advisor: Prof. Wen-Ping Chen
 - **National Central University**, Taiwan — B.A., Physics (GPA 3.80/4.0)
June 2017
 - Advisor: Prof. Wen-Ping Chen

- Research Interest**
- IR spectra study of young stellar object and searching for possible planet formation with radial velocity technique
 - Stellar population identification for star clusters and moving groups
 - ➡ Searching/Characterizing brown dwarfs and exoplanet
 - Atmosphere of brown dwarfs (Y-dwarf) and planetary objects
 - Milky Way dynamics
 - Gyro-chronology on determining stellar ages

- Internship**
- **MPIA**, Germany (2018.7–2018.9)
 - Advisor: Dr. Bertrand Goldman & Dr. Chien-Cheng Lin
 - Topic: *Multi-dimensional parameterization of members in nearby star clusters: Gaia DR2 and photometric distancing*
 - **The Chinese University of Hong Kong** (2016.6–2016.8)
 - Advisor: Prof. Li, Hua-bai
 - Topic: *Optical performance testing of the ASTE polarimeter for the ASTE telescope*

- Teaching Experience**
- Teaching assistance: General physics experiment (2017.9–2019.2)

- Conference/WorkShop**
- ESO Workshop: A revolution in stellar physics with Gaia and large surveys (2018.9 @Warsaw, Poland) — **Poster**
 - Topic: *Multi-dimensional Parameterization of Members in Nearby Star Clusters: Gaia DR2 and Photometric Distancing*
 - Star Cluster Workshop (2018.7 @Xinjiang, China) — **Talk**
 - Topic: *Characterization of Stellar and Substellar Members in the Coma Berenices Star Cluster*
 - 2018 ASROC annual meeting — **Talk**

- Special Experience**
- One year exchange student at Niigata University, Japan (2016.9–2017.8)

- Awards/Scholarship**
- 2018 The Physics Society of Taiwan, Undergraduate Excellent Thesis Award
 - 2018 Scholarship for Outstanding Student
 - 2018 Fellowship of MPIA summer internship
 - 2018 Taiwan Physics Society Annual Meeting Poster Award
 - 2017 The ICT Solution Provider scholarship
 - 2016 Fellowship for Exchange Student
 - 2016 Astronomy Society R.O.C. Annual Meeting Poster Award

- Publications**
- Pang, Xiao-Ying; Li, Yuqian; **Tang, Shih-Yun** et al., *Different Fates of Young Star Clusters after Gas Expulsion*, [The Astrophysical Journal Letters](#), 900:L4, (2020) ([ADS link](#)).
 - Zhang, Yu; **Tang, Shih-Yun***; Chen, W. P. et al., *Diagnosing the Stellar Population and Tidal Structure of the Blanco1 Star Cluster*, [The Astrophysical Journal](#), 889:99, (2020) ([ADS link](#)).
 - **Tang, Shih-Yun**; Pang, Xiao-Ying; Yuan, Zhen et al., *Disrupted Open Clusters with tidal tails: Coma Berenices and its neighboring group*, [The Astrophysical Journal](#), 877:12, (2019) ([ADS link](#)).
 - **Tang, Shih-Yun**; Chen, W. P.; Chiang, P. S. et al., *Characterization of Stellar and Substellar Members in the Coma Berenices Star Cluster*, [The Astrophysical Journal](#), 862:106, (2018) ([ADS link](#)).

Observation Proposal

- Principal Investigator
- Gemini FT/GNIRS, 1.5 hours, program ID: GN-2017B-FT-18.

- References**
- **Dr. Wen-Ping Chen** 陳文屏 博士: wchen@astro.ncu.edu.tw
Professor, Graduate Institute of Astronomy,
National Central University, Taiwan.
 - **Dr. Bertrand Goldman**: goldman@mpia.de
Max Planck Institute for Astronomy, Heidelberg, Germany &
Universite de Strasbourg, CNRS, Observatoire astronomique de
Strasbourg
 - **Dr. Andreas Just**: just@ari.uni-heidelberg.de
Professor, Zentrum fuer Astronomie der Universitaat Heidelberg,
Astronomisches Rechen-Institut, Heidelberg, Germany.

- Language Skills**
- Native: Chinese
 - Fluent: English (TOEIC 865/990, TOEFL iBT 89/120) &
Japanese (JLPT N1 passed, advance level)

- Technical Skills**
- Computing: Python 3.X, IDL, MATLAB
 - Data Reduction: PyRAF, PyHammer