

TARA 2026 SSP Final Presentation

2026/08/31 (Mon) · 09:00 – 17:00

R521, Institute of Astronomy, General Building II, NTHU

Opening Remark 江國興 **Albert K. H. Kong** 09:00 - 09:15

Session 1 — Galaxies, AGN & Environment

Chair: 俞伯傑 **Po-Chieh Yu**

Time	Student	Title
09:15	許翌倫 Yi-Lun Hsu	Discovering Undercooked Galaxies using Satellite Galaxy Counts
09:30	葉捷羽 Chieh-Yu Yeh	Finding Obscured Galaxies / Black Holes / Brown Dwarfs from JWST
09:45	潘震綱 Chen-Kang Pan	Environmental Dependence of Barred and Unbarred Narrow-Line Seyfert 1 Galaxies
10:00	謝念祖 Nian-Zu Xie	Environmental Dependence of Barred and Unbarred Narrow-Line Seyfert 1 Galaxies
10:15	楊婕琳 Chieh-Lin Yang	Probing the Circumgalactic Medium of Lyman Alpha Emitters
10:30	陳禹彤 Yu-Tung Chen	Do Stellar Bars Influence Star Formation and Chemical Enrichment in Galaxies?

Coffee Break 10:45 - 11:00

Session 2 — Star Formation & Protostars

Chair: 謝天皓 **Tien-Hao Hsieh**

Time	Student	Title
11:00	莊景喻 Ching-Yu Chuang	Exploring Star Formation with Science-Ready ALMA Data: Molecular Line Identification of Outflows, Protoplanetary Disks, and Accretion Streamers

11:15	吳秉曄 Bin-Yeh Wu	Searching for Rotating Disks in Young Protostellar Systems in Orion
11:30	王惲騏 Yun-Chi Wang	AI Clustering of ALMA ISM & Star Formation Data
11:45	賴靖元 Jing-Yuan Lai	Star Cluster Disintegration

Lunch Break 12:15 - 13:30

Session 3 — Compact Objects & High-Energy

Chair: 潘璽安 Hsi-An Pan

Time	Student	Title
13:30	莊哲豪 Jhe-Hao Chuang	Temporal Correlations of Radio Signals from Pulsar B0329+54
13:45	林恩瑜 En-Yu Lin	Temporal Correlations of Radio Signals from Pulsar B0329+54
14:00	楊子億 Zi-Yi Yang	Constraining the Spin-Orbit Orientation of X-ray Pulsars through Phase-Resolved Spectroscopy
14:15	洪銘均 Ming-Chun Hung	Using Machine Learning to Explore the Long-Term Evolution of IGR J17091-3624
14:30	郭紋妙 Wen-Miao Kuo	Cosmology Using the Fast Radio Bursts with the BURSTT

Coffee Break 14:45 - 15:00

Session 4 — Solar System, Space & Instrumentation

Chair: 蔡安理 An-Li Tsai

Time	Student	Title
15:00	蔡惟衷 Wei-Jung Tsai	The Hunt for the Forces Shaping Martian Atmospheric Evolution
15:15	陳以清 Yi-Ching Chen	The Hunt for the Forces Shaping Martian Atmospheric Evolution

Time	Student	Title
15:30	朱雅懃 Ya-Chin Chu	Enhancing Space Situational Awareness through Multi-Station Optical Tracking of LEO Satellites Using the Taiwan Meteor Detection System
15:45	許愷軒 Kai-Hsuan Hsu	Enhancing Space Situational Awareness through Multi-Station Optical Tracking of LEO Satellites Using the Taiwan Meteor Detection System
16:00	王瞳 Tong Wang	Building an Exposure Time Calculator (ETC) for Lulin Observatory (LOT 1m & SLT 40cm)
16:15	許博智 Po-Chih Hsu	Building an Exposure Time Calculator (ETC) for Lulin Observatory (LOT 1m & SLT 40cm)

Closing Remark 李景輝 Chin-Fei Lee 16:30 - 16:45

Each talk: 15 minutes including Q&A. · All presentations will be given in English.