

Session Program

May 15 - 17, 2026



中華民國天文學會
The Astronomical Society of the Republic of China (Taiwan)

2026 天文年會 (ASROC Annual Meeting)

Compact objects and high-energy astrophysics

College of Hakka Studies at NYCU, Zhubei, Hsinchu County 國立陽明交通大學客家學院(竹北六家校區)
No. 1, Sec. 1, Liujia 5th Rd., Zhubei City, Hsinchu County 302, Taiwan 30272新竹縣竹北市六家五路一段1
號

Sat, May 16

11:00 AM

Compact objects and high-energy astrophysics

Session |

Location: International Conference Hall, College of Hakka Studies, NYCU 國立陽明交通大學客家文化學院國際會議廳 |

Convener: Hsiang-Yi Karen Yang

11:00 - 11:15 AM

A Confirmed Supernova Remnant and a Possible Neutron Star in the Main Body of 30 Doradus

Speaker

Kai-I Cheng

11:15 - 11:30 AM

3D Global Relativistic Radiation Magnetohydrodynamics of Magnetically Arrested Disk Accretion Flows in AGNs

Speaker

Mohammed Ramiz Aktar

11:30 - 11:45 AM

Simulations of images of accretion discs around Kerr black holes relevant to M87*

Speaker

Dr Che-Jui Chang

11:45 AM - 12:00 PM

Unsupervised Classification of M87* Polarization Images via Autoencoders

Speaker

Chieh-Yu Kuo

12:00 - 12:15 PM

Equatorially Asymmetric Magnetic Fields and Their Impact on Black Hole Accretion Dynamics

Speaker

Ishika Palit

12:15 PM

1:45 PM

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Convener: YI CHOU

1:45 - 2:00 PM

Drivers of Black Hole Accretion in JWST Galaxies Across $0 < z < 17$

Speaker

Priyanka Jalan

2:00 - 2:15 PM

Multi-wavelength Observations of a Long-term Monitored Hyperluminous X-ray Source: An AGN-like IMBH or a Low-mass SMBH

Speaker

Yi-Chi Chang

2:15 - 2:30 PM

Properties of GS 1354-64 During its Recent 2025-26 Outburst

Speaker

Dipak Debnath

2:30 - 2:45 PM

Investigating the nature of magnetic turbulence in Tycho’s SNR using X-ray observation

Speaker

Ashwin Aravindaraj

2:45 - 3:00 PM

Broadband Spectral and Timing Study of GX 9+9 Using Multi-mission Observations

Speaker

Dr Swadesh Chand

3:00 - 3:15 PM

Phase-Resolved X-ray Spectral Evolution of the Radio Magnetar XTE J1810-197

Speaker

Che-Yen Chu

3:15 - 3:30 PM

A cosipy Pipeline for Pulsar Timing and Phase Resolved Spectroscopy with COSI

Speaker

Koothodil Abhijith Augustine

3:30 PM

4:15 PM

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Convener: Chin-Ping Hu

4:15 - 4:30 PM

Gamma-ray Transient Monitor (GTM): Feasibility of Spectral Study of the Crab pulsar

Speaker

JR-YUE HSIANG

4:30 - 4:45 PM

Study on GRB Detection Efficiency and Localization Capability of Four CubeSat Instrument Models

Speaker

Kaustubha Sen

4:45 - 5:00 PM

Rapid Gravitational Wave Detector Background Estimation using Self-supervised Learning

Speaker

Yu-Chiung Lin

5:00 - 5:15 PM

Demonstration of Coherence Monitor and Noise Reduction on KAGRA O4a Data

Speaker

Nim Ki Wong

5:15 - 5:30 PM

Gravitational-Wave Signatures of Fly-by Scatterings from the Kozai-Lidov Effect

Speaker

Dr Peter Lott

5:30 - 5:45 PM

Volumetric rate density of fast radio bursts and its evolution with redshift from CHIME/FRB Catalog 2

Speaker

Tetsuya Hashimoto

5:45 - 6:00 PM

An Energy-Duration Correlation for Fast Radio Bursts from the Second CHIME/FRB Catalog.

Speaker

Mr Chakrapani Reddy

6:00 PM