

A CASCA Emerging Researchers Showcase

Wednesday 28 October 2026

Black holes & Instrumentation: Full contributions (12:45-14:15)

time	[id] title	presenter
12:45	[23] Early Black-Hole Growth Constraints from JWST	JIANG, Nicole
12:55	[37] Little Red Dots from Primordial Black Holes	LORENZONI, Dario
13:05	[49] Inferring the Black Hole and Accretion Parameters of Sagittarius A* from EHT Observations Using a Semianalytic Model	Mr MARAZZO-NOWICKI, Braden J.
13:15	[95] Can Gravitational Lensing Explain the Extreme Mass Inference of GW231123?	ZEROUG, Mariah
13:25	[18] A Synchronisation Gate for Adapting MKID Photon-Counting Data to Fourier-Transform Spectral Reduction	AYTEKIN, Irmak
13:35	[75] In-band spectral index techniques for extended radio sources	BALL, Brianna
13:45	[70] An Exposure Time Calculator for CASTOR's UV Multi-Object Spectrograph	Ms YEUNG, Jade
13:55	[20] Model Predictive Scoring shows specific BAO points (not Supernovae) drive the dynamic dark energy tension	KARIM, Tanveer
14:05	[59] Tangled τ and Flash Reionization	UPADHYAY, Param

Black holes & Instrumentation (14:15-14:30)

time	[id] title	presenter
14:15	[76] Closing the AGN Feedback Loop Through Sub-kiloparsec Scale Gas Kinematics With JWST	MARQUIS, Mathieu
14:16	[16] The Final Mass and Early Growth of the Intermediate-Mass Black Hole in Omega Centauri	HAYDUK, Mackenzie
14:17	[33] Catching Emission "Life-Lines" in Black Hole X-ray Binaries to Understand Relativistic Jets	PATEL, Aadi
14:18	[51] Dynamical Simulations of Self-Consistent Mass Accretion onto Black Holes in Ultralight Dark Matter	WANG, Yourong Frank
14:19	[60] Neural Network Classification of BL Lacs and FSRQs among X-ray/Gamma-ray Blazars discovered in the Fermi 4FGL-DR4 Unassociated Catalog	DEPPE, Sierra
14:20	[5] Making Reconnection Cooler: Modelling bright emission around black holes	SAVELLI, Alicia
14:21	[64] Modelling Variable Broad Absorption Line Quasar Outflows Using SimBAL	FRISELLA, Nicolas