

A CASCA Emerging Researchers Showcase

Wednesday 28 October 2026

Galaxies: Full contributions (12:45-14:15)

time	[id] title	presenter
12:45	[69] Measuring Simulated Circumgalactic Medium Turbulence with Emission-Weighted Projected Velocity Structure Functions in FOGGIE	BOUCHEREAU, Helena
12:55	[9] A Systematic Census of Strongly Lensed Population III Galaxy Candidates at $z \sim 6-7$ from JWST VENUS and MUSE	FARLEY, Gavin
13:05	[4] Galaxies in JWST's mirror may be more massive than they appear: bottom-heavy initial mass functions at $z \sim 0.7$ from JWST-IMFERNO	CHENG, Chloe
13:15	[71] The Influence of Bars on Gas Concentrations and Star Formation in Nearby Galaxies	LAING, Jennifer
13:25	[14] How Environment Shapes Quiescent Galaxy Stellar Halo Assembly: Insights from Extended Light and Color Profiles	WILLIAMS, Devin
13:35	[79] Beyond Diagnostic Diagrams: Spectral Decomposition of Ionizing Sources in MaNGA	ASHOK, Aayushmathi
13:45	[50] VLA 3 GHz Radio Continuum Mapping of Nearby PHANGS Galaxies: Tracing the Life Cycle of Star Formation	HASSANI, Hamid
13:55	[66] Finding the boundary: Using galaxy membership to inform galaxy cluster extent through machine learning	HAO, Christine
14:05	[39] Inferring Spatial Distributions of Dark Matter in Dwarf Galaxies with ML	YU, Chun On (Andy)

Galaxies: Flash talks (14:15-14:30)

time	[id] title	presenter
14:15	[62] Constraining the Effects of Feedback on Diffuse Gas with Hydrodynamic Simulations	GRAYSON, Skylar
14:18	[56] Probing the Physical State of Warm Gas in NGC 4696: Infrared Diagnostics for the JWST Era	Ms PEREIRA, Olivia
14:19	[90] SMA observations of the archetypal CSS radio source 3C 303.1	Mr BHUTKAR, Rushikesh
14:20	[22] Initial Investigations of the Outskirts of XLSSC 122	TODD, Eleanore
14:21	[19] Bulge-driven quenching in KILOGAS: separating classical bulges, pseudobulges and disks with SPADE	GEORGE, Angelo
14:22	[74] Bayesian and Brisk: Scalable AGN Lightcurve Simulation and Fitting for Supernova Cosmology and Population Studies	Ms AUGSPACH, Zoe
14:23	[84] Mapping the Faint Frontier: Improved Local Group Kinematics with JWST + Gaia + HST Astrometry	Ms CHEN, Liwen