

MARAC 2022

Friday, October 7th, 2022

1:00-2:15	Registration		
2:20-2:30	Bret	Lehmer	Welcome
2:30-2:45	Juventud	Luna	Determining Variances in Flux and Gain Constants for LSST CCDs
2:45-3:00	Megan	Nolan	Particle Tracking in Levitated Opto-Mechanical Systems
3:00-3:15	Adriana	Feener-Rivera	R&D for the Cryogenic Distillation Column for nEXO
3:15-3:30	Zach	Opoka	Assessing Ice Properties for RNO-G and Hardware for IceCube-Gen2
3:30-4:00	Koji	Mukai	Science with XRISM: Resolving the Nature of the Energetic Cosmos
4:00-4:30	Poster/Coffee Break		
4:30-4:45	Keith	Doore	The Impact of Inclination-dependent Attenuation on Ultraviolet SFR Tracers
4:45-5:00	Benjamin	Moreau	NGC253 and Turbulent ISMs: The end of Star Formation?
5:00-5:15	Deepak Kumar	Deo	Multi-wavelength analysis of recently quenched elliptical galaxies towards understanding their HI content
5:15-5:30	Dustin	Swarm	Outlier identification in the Chandra Source Catalog
5:30-5:45	John	Pharo	The Neon Gap: Probing Ionization of Dwarf Galaxies at $z \sim 1$
5:45-6:00	Teja	Teppala	Investigating bursty star formation in low-mass galaxies.

Saturday, October 8th, 2022

8:30-8:45	Jonathan	Brande	A Mirage or an Oasis? Water Vapor in the Atmosphere of the Warm Neptune TOI-674 b
8:45-9:00	Paul	Bonney	On The Hydrosphere Stability of TESS Targets
9:00-9:15	Alex	Polanski	The Keck Abundance Project: An Assay of 15 Chemical Elements in Exoplanet Host Stars
9:15-9:30	Neda	Hejazi	Elemental Abundances of a Super-Neptune Host Star Using High-resolution Near-infrared Spectroscopy
9:30-9:45	Christopher	Shingledecker	Revealing New Chemical Links Between Prestellar Cores and Hot Corinos
9:45-10:00	Ryan	Maderak	Photometric and Spectroscopic Study of RV Tauri and SRd Variables
10:00-10:30	Poster/Coffee Break		
10:30-10:45	Brandon	Marshall	Triggered star formation in a cometary atomic/molecular cloud in the Cep OB3 association
10:45-11:00	Anika	Goel	Optical and UV/HST spectroscopy of Interacting type 1bn Supernova 2020nxt
11:00-11:15	Jeremy	Lusk	Calculating Supernova Luminosities and Ejected Nickel-56 Masses

11:15-11:30	Yicheng	Guo	Star Formation and Structural Properties of Low-mass Galaxies at Intermediate Redshifts
11:30-12:30	Lunch (provided)		
12:30-1:30	Elisabeth	Mills	Journey to the Center of the Galaxy
1:30-2:00	Poster/Coffee Break		
2:00-2:15	Alec	Martin	Demographics of UV-Bright Star-Forming Clumps in Galaxies at $0.5 < z < 1$ in UVCANDELS
2:15-2:30	Freeman	Spray	The Stellar-Mass Size Relation of Galaxies at $1 < z < 1.5$ in the GOGREEN Cluster Survey
2:30-2:45	Joel	Berrier	The Supermassive Black Hole Populations and Capture Rates for Estimates of LISA Signal Confusion Noise
2:45-3:00	Brandon	Coleman	Accretion History of AGN: Estimating Host Galaxy Properties in X-ray Luminous AGN from $z=0-3$
3:00-3:15	Kurt	Hamblin	How much do AGN host galaxies contribute to cosmic star formation?
3:15-3:30	Kevin	Hall	Detecting Extended Lyman Alpha Emission from the Circumgalactic Medium of a Submillimeter Galaxy and Two Background Quasars
3:30-4:00	Poster/Coffee Break		
4:00-4:15	Kim	Conger	Virgo WISESize: Investigating Environmental Processes of Galaxies in the Virgo Cluster
4:15-4:30	Aubry	Kleinsorge	A Wide-Angle Search for Clusters and Protoclusters at $z > 2$
4:30-4:45	Erik	Monson	Revisiting the Star Formation Properties of X-ray AGN in the SSA22 Protocluster with Lightning
4:45-5:00	Daniel	Oliver	Improved Modeling of Highly Eccentric EMRI Signal Confusion Noise for LISA

Posters

Andrew	Ferrell	The X-Ray Spectral Energy Distribution of the Nearby Giant Elliptical Galaxy Maffei 1
Keith	Doore	LIGHTNING: A Lightning-Fast X-ray to Far-Infrared Spectral Energy Distribution Fitting Code
Izabela	Pavel	First Constraints on High Mass X-ray Binary Population Spectral Dependence on Luminosity and Host-Galaxy Metallicity
Jennifer	Vanderslice	Continuous Modeling of Electronic Band Structures Under Deformation
Thresa	Kelly	Multiwavelength Comparison of X-ray and Infrared Selected Active Galactic Nuclei
Hypatia	Meraviglia	Toward a unified tool for calculating supernova bolometric luminosities
Erik	Stinnett	Toward a unified tool for calculating supernova bolometric luminosities
Calla	Bassett	Modeling Equatorial EMRI Orbital Evolution using Semi-Relativistic and Teukolsky Calculations
Seburne	James	Quantifying Errors and Biases in Pitch Angle Measurements
Daniel	Kenefick	No Shadow of a Doubt: The 1919 Eclipse
Ashley	Lieber	Monitoring the M-dwarf Host Stars of TESS Exoplanet Candidates: Stellar Flares and Habitability