

All talks are 12+3 minutes		Poster Flash session talks are 1 minute		Thursday, December 5th		
Room A - Kansas Room				Room B - Centennial Room		
start time of block	session	Last name	Title	session	Last name	Title
9:00 AM	check in and workshops	Mills	workshop: How to give a talk			
9:30 AM						
10:00 AM		Rudnick	workshop: Intro to Jupyter notebooks and github	Workshop	Kirkpatrick	Workshop: How to network
10:30 AM						
11:00 AM		Kirkpatrick	workshop: How to write a personal statement			
11:30 AM						
12:00 PM	lunch on your own at Union					
12:30 PM						
1:00 PM	logistics and opening remarks					
1:30 PM	Active Galactic Nuclei (AGN)	Harper	Red Disk Galaxies with Active Galactic Nuclei	Planets	Hand	Using Orbital Geometries to Find Potential Exoplanet-Hosting Binary Star Systems
1:45 PM		Kundu	SED Modeling of Broad Emission Line Quasars		Rhem	Radial Velocity Analysis of the Two Exoplanets TOI-1247b and TOI-1799b
2:00 PM		Goel	Decoding WISE mid-IR color for obscured AGN identification		Esmer	Circumbinary Planet Occurrence via Eclipse Timing Variations
2:15 PM		Hamblin	AGNBoost: Leveraging Machine Learning and JWST for AGN Detection		Crossfield	Sulfur Chemistry in Exoplanet Gas Giants
2:30 PM		Yuk	Optical Variability, Multi-Wavelength Properties, and Environments of Active Galactic Nuclei		Brande	Aerosols and Observational Diversity
2:45 PM	poster flash session			poster flash session		
3:00 PM						
3:15 PM	break			break		
3:30 PM						
3:45 PM	Extragalactic	Conger	The Virgo WISESize Project: Investigating Environmental Processes of Galaxies in the Local Universe	Stars	Maderak	A Photometric and Spectroscopic Study of the Semi Regular Variable UU Herculis
4:00 PM		Nandi	The Faint End at Cosmic Noon: JWST Revealing the Size and Morphology of Dwarf Galaxies at $0 < z < 4$		Momberg	The "Generalized" Schoenberg-Chandrasekhar Limit
4:15 PM		Hall	Improved Circumgalactic Medium Detection around Quasars: A Dual-Channel Deconvolution Technique	astroparticle physics	Gates	Neutrino Oscillations in Dense Media
4:30 PM		Kuhn	SpldeR Webb: Spiral Identification at high Redshift using the Webb		Moser	Low-Cost Camera System for Deep Borehole Inspections: Evaluating the GISP2 Legacy Borehole
4:45 PM		Rudnick	Disruptions of the Baryon Cycle in the NGC5364 Group		Kore	Atmospheric pressure corrections in cosmic ray anisotropy measurement with HAWC

5:00 PM		Huynh	Using Herschel Archival data to measure the gas masses of Virgo Filament Survey galaxies	Stars and planets	Thomas	Supernovae and Life on Earth	
5:15 PM		Steinhardt	Do Red Galaxies Form More Stars than Blue Galaxies?		Hejazi	High-resolution Elemental Abundance Measurements of Planet-Host Cool Dwarfs to Trace Planetary Formation and Composition of Two Extremes: Gas Giant and Small Rocky Exoplanets	
5:30 PM							
6:00 PM	conference dinner: 6-8pm @ Beren Center						
6:30 PM							
7:00 PM							
7:30 PM							
8:00 PM				public observing 7:30-9:00pm outside of Beren Center			
8:30 PM							
Friday, December 6th							
Room A - Kansas Room				Room B - Malott room			
start time of block	session	last name	title	session	last name	title	
8:00 AM	check in						
9:00 AM	Extragalactic - Cont'd	Huber	Shocks and Fronts in the Merging X-ray Bright Cluster Abell 2219	Stars and planets, cont'd	Coria	Towards a Comprehensive Abundance Catalog for Cool Dwarf Exoplanet Hosts in the Age of JWST	
9:30 AM		Wright	Probing electron density of galaxies at $z \leq 0.4$ with DESI		Whitsett	Induced Stellar Flares from the TESS Mission	
10:00 AM		Mills	PRIMA: The Probe far-Infrared Mission for Astrophysics	Education	Temple	Using a Historic Refractor for General Education Science	
10:15 AM		Martin	Detecting and Analyzing UV and IR Bright Star-forming Clumps at $0.5 < z < 5$		Delgado	Quantitative Reasoning in Introductory Astronomy	
10:30 AM		Brooks	Exploring Quenching at Intermediate Redshifts Using Deconvolution		Siedell	Smartphones in the Astronomy Classroom	
10:45 AM		Troiani	Cosmic Collisions: Exploring Galaxy Mergers Through JWST		McIntosh	Evidence-Based, Easy-to-Adopt Enhancements for Your Astronomy Teaching Toolbox	
11:00 AM	break			break			
11:15 AM							
11:30 AM	keynote talk - followed by comments by VCR Hooks						
12:00 PM							
12:30 PM	lunch on your own at Union						
1:00 PM							
1:30 PM	Extragalactic - Cont'd	Lieber	Compact, Obscured Star Clusters in the Nearby Starburst Galaxy NGC 253	Education - Cont'd	Gayley	How Newton and Huygens could have discovered wave-particle duality	
1:45 PM		Teppala	Bursts Unpacked: Revealing Star-formation Timescales (BURST)	Space Physics	Hayes	Studying the Performance of Riemann Solvers in the Hydrodynamics Code Athena++	

2:00 PM		Joshi	Impact of Outshining on Galaxy Properties		Cravens	Force-Free Magnetic Structures in the Solar System
2:15 PM	Cosmology	Wedig	The Roman View of Strong Gravitational Lenses		Renzaglia	Modeling Ion Transport in the Upper Ionosphere of Mars: Exploring the Effect of Crustal Magnetic Fields
2:30 PM		Jayswal	Local coordinates and motion of a test particle in the McVittie spacetime		Zaman	Radiation Shielding Strategies for Human Habitats on Mars: Exploring the Effectiveness of Shields Constructed with Martian Regolith and Hydrogenous Polymers Using Geant4 and OLTARIS
3:00 PM	break			break		
3:15 PM						
3:30 PM				Space Physics - Cont'd	Damoulakis	From Expansion to Reconnection: Simulating Outflow Dynamics in Astrophysics
3:45 PM	Cosmology - Cont'd	Shaw	The Quest For 3%: Strategies to Improve H0 Precision with the Megamaser Cosmology Project	Compact Objects	Pero	Hydrodynamic Models of Radiation-Driven Winds from type I X-ray Bursts
4:00 PM		Meyerhoff	Is Dark Energy a Cosmological Constant?		Di Gregorio	Analysis of equation of states for neutron stars to study universal relations for the increase in the mass and radius of a rotating neutron star
4:15 PM	Career panel with KU alumni					
4:30 PM						
4:45 PM						
5:00 PM	Dinner on your own					
5:15 PM						
5:30 PM						
6:00 PM						
6:30 PM						
7:00 PM	public talk					
7:30 PM						
Posters						
Last name	Poster title					
Cook	A New 3D Model for the Inner 10pc of the Milky Way					
Ali	A Novel Approach for using Machine Learning to Calculate Galaxy Distances					
Ansari	Particle Trajectory near a Rotating Black hole					
Argueta						
Barkus	Local Densities of Virgo Filament Survey Galaxies					
Bayless	Measuring the Angular Diameter of the Star TYC 2441-1090-1 with VERITAS using Asteroid Occultations					
Belmahdi	Asteroseismology					
Cionitti	Disentangling Quasar-Host Evolution					
de Bruin	Improving Sensitivity to Neutron Star Gravitational Wave Events using the Qp Transform					
Dunne	Obscured and Unobscured Star Formation Morphology in Ancient Galaxies					

Ford	Magnetic Field Decay In Massive Stars				
Hettiarachchi	Development of AI Models for Deprojection, Background Star Removal, and Spiral Structure Identification in Spiral Galaxies				
Jager	Modeling the Phase Curves of Exoplanets with High TSM Values				
Kompanets	Improving Sensitivity of Gravitational Wave Event Detections Using Machine Learning				
Mai	A detailed look at the structure in the inner few parsecs of the Galactic Center				
Merritt	Exploring Obscured Star Cluster Formation in NGC 253 with JWST				
Peng	Transit Timing Variations Catalog from TESS TOI 2-planetary Systems				
Pero	Photometry-Based Star Formation Rates from Machine Learning				
Saricaoglu	Impact of LEO satellite streaks on LSST strong lens detection and modeling				
Sheriff	Faraday Rotation Variability Study of the High Mass X-Ray Binary LSI +61 303				
Smith	Identifying Complex Molecular Species in Clouds of the Central Molecular Zone				
Sourav	Analysis of Gamma-Ray Bursts Closure Relationship in Multi-wavelengths				
Wadivkar	The TESS search for white dwarf transits				