

Start time of block	Hall	Room A - Kansas Room			Room B - Centennial Room			
		Session	Last name	Title	Session	Last name	Title	
9:00 AM	Check In	Workshops	Rudnick	Intro to Jupyter notebooks and github				
9:30 AM								
10:00 AM			Kirkpatrick	How to network				
10:30 AM			Delgado	How to develop an elevator pitch				
11:00 AM								
11:30 AM			Kirpatrick	How to write a personal statement				
12:00 PM	Lunch on your own at Union							
12:30 PM	Lunch on your own at Union							
1:00 PM	Check In	Logistics and opening remarks						
		Session 1A (Chair: Steinhardt)			Session 1B (Chair: Maderak)			
1:30 PM		Active Galactic Nuclei (AGN)	Kundu	SED Modeling of Broad Emission Line Quasars	Planets	Hand	Using Orbital Geometries to Find Potential Exoplanet-Hosting Binary Star Systems	
1:45 PM			Goel	Decoding WISE mid-IR color for obscured AGN identification		Rhem	Radial Velocity Analysis of the Two Exoplanets TOI-1247b and TOI-1799b	
2:00 PM			Hamblin	AGNBoost: Leveraging Machine Learning and JWST for AGN Detection		Esmer	Circumbinary Planet Occurrence via Eclipse Timing Variations	
2:15 PM			Yuk	Optical Variability, Multi-Wavelength Properties, and Environments of Active Galactic Nuclei		Crossfield	Sulfur Chemistry in Exoplanet Gas Giants	
2:30 PM		Break			Brande	Aerosols and Observational Diversity		
2:45 PM		Poster flash session						
3:00 PM		Break						
3:15 PM		Break						
3:30 PM		Break						
	Check In	Session 2A (Chair: Lieber)			Session 2B (Chair: Crossfield)			
3:45 PM		Extragalactic	Conger	The Virgo WISESize Project: Investigating Environmental Processes of Galaxies in the Local Universe	Stars	Schrader & Heckman	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	Thomas	Supernovae and Life on Earth		

5:15 PM		Steinhardt	Do Red Galaxies Form More Stars than Blue Galaxies?	Stars and planets	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	Walk to Beren Center					
6:00 PM	Conference dinner: 6-8pm @ Beren Center					
6:30 PM						
7:00 PM						
7:30 PM						
8:00 PM	Public observing and Planetarium Shows 7:30-9:00pm Slawson Hall (Beren Center)					
8:30 PM						

**Friday, December 6th**

Start time of block	Hall	Room A - Kansas Room (same as Thursday)			Room B - Malott Room (different from Thursday!)		
		Session	Last name	Title	Session	Last name	Title
8:30 AM	Check In	Session 3A (Chair: Rudnick)			Session 3B (Chair: Esmer)		
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
9:15 AM			Wright	Probing electron density of galaxies at $z \leq 0.4$ with DESI		Whitsett	Induced Stellar Flares from the TESS Mission
9:30 AM			Mills	PRIMA: The Probe far-Infrared Mission for Astrophysics		Education	Temple
9:45 AM			Martin	Detecting and Analyzing UV and IR Bright Star-forming Clumps at $0.5 < z < 5$	Delgado		Quantitative Reasoning in Introductory Astronomy
10:00 AM			Brooks	Exploring Quenching at Intermediate Redshifts Using Deconvolution	Siedell		Smartphones in the Astronomy Classroom
10:15 AM			Troiani	Cosmic Collisions: Exploring Galaxy Mergers Through JWST	McIntosh	Evidence-Based, Easy-to-Adopt Enhancements for Your Astronomy Teaching Toolbox	
10:30 AM	Break						
10:45 AM							
11:00 AM	Keynote: Stuartt Corder - followed by comments by Vice Chancellor for Research Hooks						
11:30 AM							
12:00 PM							
12:30 PM	Lunch on your own at Union						
1:00 PM							
		Session 4A (Chair: Mills)			Session 4B (Chair: Hejazi)		
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)	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		<b>Cosmology</b>	Wedig	The Roman View of Strong Gravitational Lenses	<b>Space Physics</b>	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
2:30 PM			Jayswal	Local coordinates and motion of a test particle in the McVittie spacetime		Damoulakis	From Expansion to Reconnection: Simulating Outflow Dynamics in Astrophysics
2:45 PM	Break						
3:00 PM	Break						
3:15 PM		<b>Cosmology - Cont'd</b>	Shaw	The Quest For 3%: Strategies to Improve H0 Precision with the Megamaser Cosmology Project	<b>Compact Objects</b>	Pero	Hydrodynamic Models of Radiation-Driven Winds from type I X-ray Bursts
3:30 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
3:45 PM	Career panel with KU Alumni						
4:00 PM	Career panel with KU Alumni						
4:15 PM	Career panel with KU Alumni						
4:30 PM	Dinner on your own						
	Dinner on your own						
	Dinner on your own						
	Dinner on your own						
7:00 PM	Public Talk @ Malott Hall 1001						
7:30 PM	Public Talk @ Malott Hall 1001						
Posters							
<b>Last name</b>	<b>Poster title</b>						
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						
Andrade	The Effect of Vera C. Rubin Observatory Cadence Selections on Kilonova Detectability						
Ansari	Particle Trajectory near a Rotating Black hole						
Argueta	Black Holes and Blueprints: AGN as Galaxy Architects						
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						
Di Gregorio	Analysis of synthetic ozone profiles for the study of supernova effects						
Dunne	Obscured and Unobscured Star Formation Morphology in Ancient Galaxies						
Ford	Magnetic Field Decay In Massive Stars						
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						

