

2019 Illinois Astrofest Program

Time	Speaker	Title
2:00-2:05	Tony Wong	Opening Remarks
2:05-2:15	Cassie Reuter	Redshift Distribution of the Complete Sample of SPT SMGs
2:15-2:25	Matias Carrasco Kind	This galaxy does not exist
2:25-2:35	William Wei	Gravitational Wave Denoising of Binary Black Hole Mergers with Deep Learning
2:35-2:45	Yue Shen	Quasar Research at UIUC
2:45-3:45		POSTER SESSION & REFRESHMENTS
3:45-3:50	Leslie Looney	What can I do with my Astro Degree?
3:50-4:00	Coralie Adam	Navigating to a Career in Space Operations (by video link)
4:00-4:10	Jacob Hogan	Explosions in the Sky: The Search for a Galactic Supernova
4:10-4:20	Yinghe Celeste Lu	The Effect of AGN Feedback in Turbulent Intracluster Medium
4:20-4:30	Rachel Harrison	Multi-wavelength polarization in protoplanetary disks: Evidence for multiple mechanisms at work
4:30-4:40	A. Miguel Holgado	NANOGrav Constraints on the Growing Census of Sub-Parsec Supermassive Black-Hole Binary Candidates

2019 Illinois Astrofest Program

Poster Presentations		
1	Melanie Archipley	Point Source Forecasts for CMB-S4
2	Brandon Buncher	Developing an LSS Galaxy Classification Routine using Simplistic Training Data
3	Yu-Ching (Tony) Chen	Supermassive binary black hole candidates discovered from optical variability
4	Gonzalo Cucho Padin	Tomographic Estimation of Exospheric Hydrogen Density Distributions
5	Frankie Encalada	Class 0/I Binaries in Rho Oph using ALMA
6	Adrienne Ertel	Prehistoric Supernovae: Unearthing radioactive ^{60}Fe from near-Earth supernovae in lunar and oceanic samples
7	Lina Florez	Characterizing Sky Spectra Using SDSS BOSS Data
8	Alex Gagliano	Water Formation in the Early Universe
9	Sreevani Jarugula	Resolved water emission from dusty star forming galaxies at $z\sim 3$
10	Pratik Joshi	Estimation of O-O ⁺ charge exchange cross-section using O ⁺ momentum balance
11	Ashvini Krishnan	Cosmic Explosions: Supernova Rates and Theat Assessment
12	Xincheng Lin	Rotation curves derived from CO emission of EDGE galaxies
13	Yuanze Luo	Synthesizing CO and H α kinematics of star-forming galaxies
14	Jason Meier	Using the Quasar Luminosity Function to Predict the Number of QSOs Detectable by LSST
15	Jesse Miller	Contribution of impactor material to terrestrial supernova signals
16	Patrick Mullen	Magnetized Giant Impacts
17	Andrew Nadolski	Broadband anti-reflection coatings for cosmic microwave background experiments
18	Rong Nie	Development of on-chip spectrometer for terahertz astronomy
19	Benjamin Osherson	Cosmic Ray Response of TES Arrays: SPIDER's experience in flight, lab, and simulation
20	Elle Shaw	The SPIDER II Experiment
21	Jingyao Zhu	Recombination Energy and Common Envelope Ejection
22	Yi Zhuang	Clustering Properties of Molecular Cloud Substructures