

2021 SAO ASTRONOMY REU SUMMER SYMPOSIUM

THURSDAY, AUGUST 12, 1-5 BY ZOOM

ALL ARE WELCOME TO ATTEND ALL OR ANY PART OF THIS EVENT

1:00 Welcome and opening remarks

Session 1: Galaxies I — Distant Galaxies

1:10 Moira Andrews: *The Effects of Mergers on the Stellar Kinematics of High-Redshift TNG Galaxies*

1:25 Jee-Ho Kim: *Tracing Galaxy Formation with Stellar Metallicity in Simulated Galaxies*

1:40 Luis Barriuan: *The Fundamental Planes of Black Hole Activity for Radio-Loud and Radio-Quiet Quasars*

1:55 Break

Session 2: Galaxies II — Multi-Wavelength Observations

2:10 Amanda Chavez: *Fast X-ray Transients and Transits Hidden in the Chandra Source Catalog*

2:25 Amanda Malnati: *The Nature of XBONG Galaxies with CSC2 Data*

2:40 Olivia Aspegren: *Constraints on ISM Conditions in Infrared-Luminous Galaxies using SOFIA*

2:55 Victoria Catlett: *The Environments of Hybrid Morphology Radio Sources (HyMoRS)*

3:10 Noah Thompson: *Characterizing Spatially-Resolved Multi-Wavelength Emission from Sub-Millimeter Galaxies*

3:25 Break

Session 3: Dynamics: Planets, Binaries, and Galaxy Halos

3:40 Anna Simpson: *Testing the Formation of the M Dwarf Radius Valley with the TESS Multi-planetary System TOI-1730*

3:55 Liam Nolan: *Significant angular momentum is lost by a binary system to its common envelope*

4:10 Carissma McGee: *Dark Matter Accounts for Perturbations in the GD-1 Stellar Stream*

4:25 Thomas Waters: *Probing the gas morphologies of Milky Way-like Galaxies in TNG50*

