



# SMU TACOS Workshop

## Monday 10 October 2022

### Session 1 - Fondren Science Room 123 (08:00 - 20:30)

time	[id] title	presenter
08:00	Breakfast	
08:30	[1] Welcome	MEYERS, Joel
08:40	[2] Testing Deviations from General Relativity at Cosmological Scales: a new tension between Planck and LSS/Lensing data	ISHAK, Mustapha
09:10	[3] A different perspective on Primordial Black Holes	BELLOMO, Nicola
09:30	[4] Isolating CMB Secondaries with Deep Learning	GUZMAN, Eric
09:50	[5] Fireslides 1	GUZMAN, Eric
10:20	Coffee Break	
11:00	[6] Rapid-Turn Multi-field Inflation	PABAN, Sonia
11:30	[7] Absorption Effects in Coherent Crystal Photoconversion of Solar Axions	THOMPSON, Adrian
11:50	[8] Constraining dark matter-helium scattering with the CMB	MOLTNER, Stacie
12:10	Group Photo	
12:20	Lunch	
13:30	[9] Probing the Universe with electromagnetic and gravitational wave signatures	KING, Lindsay
14:00	[10] Beyond Fisher Forecasting for Cosmology	RYAN, Joseph
14:20	[11] Cosmogenic Boosted Dark Matter in Neutrino Experiments	Dr KIM, Doojin
14:40	[12] Revealing the origin of binary black holes with spin precession	KESDEN, Michael
15:10	[13] Fireslides 2	GUZMAN, Eric
15:40	Coffee Break	
16:20	[14] Cosmological Tensions in the JWST Era	BOYLAN-KOLCHIN, Mike
16:50	[15] WIMP dark matter limits beyond the thermal relic bound	STRIGARI, Louis
17:10	[16] Dark matter halo collapse with velocity-dependent SIDM	Prof. BODDY, Kimberly
17:30	[17] New Results from The Cosmic Dawn (CoDa) Project: Simulating Reionization and Galaxy Formation	SHAPIRO, Paul
18:00	Break / Walk to Dinner	
18:30	Dinner	