Einstein Fellows Symposium 2018

Tuesday, October 2

9:15 – 9:30	Welcome: Paul Green & Belinda Wilkes	
Session 1: G Chair: Rosani	aravity & Lensing ne Distefano	9:30 – 10:45
9:30 – 9:55	Davide Gerosa Getting ready: exploiting LISA to improve LIGO's tests of general relativity	
9:55 – 10:20	Detecting lensing diffraction effects in gravitational waves from compact binary	oalescence
10:20 – 10:45	Maximiliano Isi Gravitational-wave polarizations beyond general relativity: recent measurements prospects	and future
	10:45 – 11:10 Coffee	
Session 2: S Chair: Edo Be	upernovae, Kilonovae, GRBs & Pulsars erger	11:10 - 12:50
11:10 - 11:35	5 Ben Margalit	
11:35 – 12:00	FRBs as flaring magnetars, and their connection to SLSNe and LGRBs Daniel Siegel	
12:00 12:25	The cosmic origin of the heavy elements 5 Jennifer Barnes	
12.00 – 12.25	Diagnosing nucleosynthesis in kilonova light curves	
12:25 – 12:50) Kate Alexander	
	Radio Observations of GW170817: Probing the Structure of Relativistic Jets	
	12:50 – 2:00 Lunch	
	eaker: Cecilia Garraffo r Activity and Rotation in Cool Stars	2:00 – 2:45
	2:45 – 3:10 Coffee	
Session 3: C Chair: Doug F		3:10 - 5:15
3:10 – 3:35	Benedikt Diemer	
3:35 – 4:00	The Splashback Radius of Dark Matter Halos Daniel Gruen	
4:00 4:05	The future of photometric redshifts	
4:00 – 4:25	Boris Leistedt Forward modeling photometric surveys	
4:25 – 4:50	Philip Mocz	
4·50 – 5·15	Small-scale features in fuzzy dark matter cosmology Zachary Slepian	

On Decoupling the Integrals of Cosmological Perturbation Theory

Wednesday, October 3

Session 4: Stars Chair: Andy Szentgyorgyi		0:20	
9:30 - 9:55	Morgan MacLeod Accretion onto compact objects during common envelope phases		
9:55 - 10:20	Anna Rosen How Stellar Feedback Limits Accretion onto Massive Stars		
10:20 - 10:45 Coffee			
Session 5: Pl Chair: Belinda	hotons in Galaxies 10:45 – 1 a Wilkes	1:35	
10:45 – 11:10 11:10 – 11:35	Rahul Kannan Impact of radiation fields in galaxies Aaron Smith The Physics of Lyman-alpha Escape from High-Redshift Galaxies		
Session 6: Ao Chair: Paul No	ctive Galaxies 11:35 – 1	2:25	
11:35 – 12:00 12:00 – 12:25	Daniel D'Orazio Tracking the orbits of supermassive black hole binaries at sub-parsec separations Ke Fang Black hole jets in galaxy clusters as common origins of high-energy cosmic particles		
	12:25 – 1:40 Lunch		
Session 7: AGN Variability Chair: Grant Tremblay		2:30	
1:40 - 2:05 2:05 - 2:30	Vivienne Baldassare Variability as a tool for identifying AGNs in low-mass galaxies Krista Lynne Smith High-Energy Astrophysics with Exoplanet Satellites: AGN and Blazars		
	2:30 - 3:00 Coffee		
Session 8: Ac Chair: Malgos	ccretion 3:00 – sia Sobolewska	4:35	
3:00 – 3:25	Dan Wilkins Venturing Beyond the ISCO with X-ray Reverberation		
3:25 – 3:50	Vladimir Zhdankin Turbulent particle energization in radiatively inefficient accretion flows		
3:50 – 4:15	Eric Coughlin Self-similar Shock Propagation with Accretion		
4:15 – 4:35	Dheeraj Pasham A Remarkably Loud Quasi-Periodicity after a Star is Disrupted by a Massive Black Hole		