Thursday (3 April 2024)			
8:30 - 9:00	Welcome!		
Inflation + AGN (Chair: Nikko)			
9:00 - 9:15	A New Beginning to Inflation (Inflation and Singularities)	Scott Watson	Syracuse
	Squeezed vacua in effective theories of inflation	Mauricio Gamonal	Penn State
	Superradiance in Q-balls?	Mainak Mukhopadhyay	Penn State
9:15 - 9:30	Q & A		
9:30 - 9:50	Central Massive Black Holes are NOT Ubiquitous in Local Low-mass Galaxies	Fan Zou	Michigan
	JWST observations of kpc-scale dual quasars	Yu-Ching (Tony) Chen	JHU
	The Best Spectroscopic Binary Supermassive Black Hole Candidate To Date!	Niana Mohammed	Penn State
	Electromagnetic signals and neutrinos from microquasars	Yu-Jia Wei	Penn State
9:50 - 10:00	Q & A		
Compact object mergers (Chair: Samuele)			
10:00 - 10:20	Backreaction and gravitational self-force of extreme mass ratio inspirals	Joseph Balsells	Penn State
	Magnetic field effects in binary neutron star mergers	Eduardo Gutierrez	Penn State
	Neutrino Flavor Conversion in Binary Neutron Star Mergers	Yi Qiu	Penn State
	Constraining dark matter properties with GW170817	Ish Gupta	Penn State
10:20 - 10:30	Q & A		
10:30 - 11:00	Coffee break		
11:00 - 11:20	Stellar mergers	Rachel Patton	U Pitt
	More Nonlinearities? Gravitational-Electromagnetic Coupling in Charged/ Magnetized Mergers	Fawzi Aly	Buffalo
	Observational Signatures of Cosmological Stasis	Brooks Thomas	Lafayette
	The Dark Side of Neutron Stars	Sanika Khadkikar	Penn State
11:20 - 11:30	Q & A		
Cosmic Topology (Chair: Vaishak)			
11:30 - 11:45	Cosmic topology	Deyan Mihaylov	Case Western
	Non-Trivial Topology: A Gateway to Probing Tensor Perturbations	Amirhossein Samandar	Case Western
	Early universe and topology	Anna Negro	Case Western
11:45 - 11:55	Q & A		
11:55 - 1:30	Lunch Break		
Invited Talk 1 (Chair: Mainak)			
1:30 - 1:50	Towards end-to-end modelling of jets from binary neutron star mergers	Jay Kalinani	RIT
1:50 - 2:00	Q & A		
2:00 - 2:20	Coffee break		
High-Energy Astrophysics (Chair: Mainak)			
2:20 - 2:40	Constraining Choked-Jet Supernovae (Type Ib/c) as a Source of High-Energy Cosmic Neutrinos	Patrick Wusinich	Penn State
	Radio afterglow investigations of Broad lined Ic Supernovas and unveiling their jet structures	Tanner O'Dwyer	JHU
	Emissions from surroundings of Active Galactic Nuclei	Abhishek Das	Penn State
	The Effect of Gravitational Memory on CMB Light	Simon Thill	Haverford
2:40 - 2:50	Q & A		
GW/Open Quantum System (Chair: Koustav)			
2:50 - 3:10	Can Foreground Compact and Ultra-Compact Binary Stars Mimic the Electromagnetic Counterpart to a LISA Source?	Kaitlyn Szekerczes	Penn State
	Gravitational wave observations in the fourth observing run	Shio Sakon	Penn State
	Open Quantum Systems via Dynamical Maps	Tommy Chin	Penn state
	Thermodynamics from Entanglement in Quantum Field Theory	Erick Muino	Penn State
3:10 - 3:20	Q & A		
3:20 - 3:40	Coffee break		
3:40 - 3:50	Group Photo		
3:50 - 4:00	Walk over to IGC		
4:00 - 4:45	Discussion session		
4:45 - 5:00	Moving to the Banquet place (Bus)		
5:00 - 10:00	Continuing Discussion + Banquet		
Friday (4 April 2024)			
Invited Talk 2 (Chair: Bingjie)			
9:30 - 9:50	Data analysis for JWST	Camilla Pacifici	STScI
9:50 - 10:00	Q & A		
10:00 - 10:30	Coffee break		
New Probe of gravity (Chair: Maitraya)			
10:30 - 10:50	Large-scale structure (measuring primordial non-Gaussianity in full-sky surveys)	Greg Lukens	Penn State
	Hidden conformal symmetry for scalar fields in 2 dimensions in curved space	Samanta Saha	Case Western
	Could We Observe an Exploding Black Hole in the Near Future?	Quim Iguaz Juan	U Mass, Amherst
	Toward Stimulated Gravitational Emission as a Probe for Primordial Black Holes	Tristan Weaver	Penn State
10:50 - 11:00	Q & A		
Observations (Chair: Bingjie)			
11:00 - 11:20	Gravitational Lensing	Atinc Cagan Sengul	U Pitt
	Rescaling Microlensing Simulation Results for Dark Black Hole Populations	Joel Cortez Osuna	Penn State
	Dust-Obscured Galaxies in the XMM-SERVS Fields: Selection, Multiwavelength Characterization, and Physical Nature	Zhibo Yu	Penn State
	Inferring the Timescales for Bursty Star Formation	Emilie Burnham	Penn State
11:20 - 11:30	Q & A		
11:30 - 12:00	Coffee break		
12:00 - 12:10	Summary, best student presentation, wrap up		
12:10 - 1:00	Light lunch (sandwich) at the IGC Lounge		