

Conference - Parallel Session: Theory
Jan 14 - 15, 2025 at 14:00 - 18:00

Tu3-TH01	Jan 14, 2025 (Tue) [Day 1]		W3-TH01	Jan 15, 2025 (Wed) [Day 2]			
	Chair: Yang GAO (SUST)			Chair: Otto HANNUKSELA (CUHK)			
	Title	Speaker		Title	Speaker		
	14:00 - 14:20	Axion-like Particle at the LHC		Vanishing of Black Hole Love Numbers	Sam WONG (City U of HK)		
	14:20 - 14:40	Leptophilic Axion Search at Colliders		Knotted Cosmic Strings and Gravitational Wave	Yu HAMADA (DESY)		
	14:40 - 15:00	How Viable is a QCD Axion near 10 MeV?		METRICS Tests of General Relativity with Gravitational Waves	Ka Wai CHUNG (UIUC)		
	15:00 - 15:20	Verifying the Resonance Schemes of Unstable Particles at Lepton Colliders		Probing Signatures of Mirror Asymmetry in the Universe Using Gravitational Waves from Binary Black Hole Mergers	Samson LEONG (CUHK)		
	15:20 - 15:40	Exploring Deeper into Hidden Sectors		Wiggly Dilaton: A Landscape of Spontaneously Broken Scale Invariance	Yucheng QIU (Shanghai Jiaotong U)		
	15:40 - 16:10	Break		Break			
Tu3-TH02	Chair: Yiming ZHONG (City U of HK)		W3-TH02	Chair: Mark HERTZBERG (Tufts U) [Zoom]			
	Title	Speaker		Title	Speaker		
		16:10 - 16:30		Generalized Symmetries and Model Building	Seth KOREN (U of Notre Dame)	Parity Violation on the Sky	Kin Wang NG (Academia Sinica)
		16:30 - 16:50		Bootstrapping the Chiral-Gravitational Anomaly	Teng MA (U of Chinese Academy of Sciences)	Anatomy of the Parity-Violating Four-Point Correlation Functions in Galaxy Surveys	Yiming ZHONG (City U of HK)
		16:50 - 17:10		Constraining Neutrinophilic Mediators at the Forward Physics Facility	Jiajun LIAO (Sun Yat Sen U)	Free Streaming in Warm Wave Dark Matter	Siyang LING (City U of HK)
		17:10 - 17:30		Geometrizing EFT Matching	Xuxiang LI (U of Utah)	Cosmological Zoom-In Simulations of Milky Way Host Size Dark Matter Halos with a Blue-Tilted Primordial Power Spectrum	Jianhao WU (CUHK)
		17:30 - 17:50		Quantum Reference Frame Transformations and Quantum Relativity of Spacetime	Otto KONG (National Central U)	Measuring Relic Neutrino Effects Against Galaxy Cluster Formation Simulations	Anthony Wang To AU (HKUST)
		17:50 - 18:10		Instability of Non-minimal Coupled Proca Field with Pole in Physical Region	Aofei SANG (SUST)		