

International Symposium on Cosmology and Particle Astrophysics: CosPA 2025

Tuesday, 8 July 2025

Parallel 1: chaired by Dong-Won Jung (11:10 - 12:30)

time	[id] title	presenter
11:10	[30] Strong First-Order Electroweak Phase Transition in the Type-I two-Higgs doublet model via multi-step transitions	SONG, Jeonghyeon
11:30	[31] WIMP and FIMP Dark Matter in Singlet-Triplet Fermionic Model	ROY, Abhishek
11:50	[32] Oscillon decay accelerated by coupling external scalar field	LI, Siyao
12:10	[33] Second leptogenesis for large baryon-lepton asymmetry discrepancy	KIM, Yechan

Parallel 1: chaired by Rinku Maji (16:40 - 18:20)

time	[id] title	presenter
16:40	[38] Microscopic Theory for DM from Topological Gravity	DENG, Jianqiao
17:00	[41] Evading the Current Direct Detection Bound through Metastable Particle-Assisted Freeze-Out	KHAN, Sarif
17:20	[42] Dark gauge-mediated supersymmetry breaking	LEE, Jiheon
17:40	[40] Void spin distribution as a powerful probe of σ_8	KANG, Geonwoo
18:00	[92] empty	

Wednesday, 9 July 2025

Parallel 1: chaired by Mohammad Ali Gorji (11:10 - 12:30)

time	[id] title	presenter
11:10	[48] A Match Made in Heaven: Linking Observables in Inflationary Cosmology	ZHU, Yuhang
11:30	[49] Open system EFT for gauge fields and gravity	CHRISTODOULIDIS, Perseas
11:50	[50] Regularized pole inflation and Einstein-Cartan gravity	HE, Minxi
12:10	[51] Bimodal distributions in the stochastic- δN formalism with the inflaton and the curvaton	KURODA, Tomotaka

Parallel 1: chaired by Han Gil Choi (16:40 - 18:00)

time	[id] title	presenter
16:40	[60] Gravitational-wave Extraction using Independent Component Analysis	SHINKAI, Hisaaki
17:00	[61] Detection of Gravitational Waves using Electromagnetic Waves beyond Geometrical Optics	PARK, Chan
17:20	[62] Binary strange quark star merger in fully general-relativistic simulation	LUK, Ho Ching
17:40	[63] Novel Polarization Modes of Gravitational Waves	DONG, Yu-Qi

Thursday, 10 July 2025

Parallel 1: chaired by Sebastian Bahamonde (11:10 - 12:30)

time	[id] title	presenter
11:10	[64] Black holes in nonlinear electrodynamics	KIM, Sang Pyo
11:30	[65] New results in bumblebee gravity	NILSSON, Nils Albin
11:50	[66] O(D,D) string cosmology from double field theory	ANGUS, Stephen
12:10	[67] Black holes in string-inspired Euler-Heisenberg theory	NAKAS, Theodoros

Parallel 1: chaired by Nils Albin Nilsson (16:40 - 18:20)

time	[id] title	presenter
16:40	[72] De Sitter cosmological correlators via wormholes	JUNG, Sunghoon
17:00	[73] Crunch from AdS bubble collapse in unbounded potentials	LOZANOV, Kaloian
17:20	[74] Bound on Lyapunov exponent in Charged and Rotating AdS Black Hole	LEE, Hocheol
17:40	[75] Entropy created when colliding particles fall into a black hole	DAI, De-Chang
18:00	[76] Boulware Vacuum vs. Regularity: Vacuum State on the Horizonless Regular Spacetime	NUMAJIRI, Kota

Friday, 11 July 2025

Parallel 1: chaired by Theodoros Nakas (11:10 - 12:30)

time	[id] title	presenter
11:10	[81] Non-linearities in black hole perturbation theory	WONG, Sam
11:30	[84] Quasinormal modes of an accelerating black hole in the near-Nariai limit	HAN, Hyewon
11:50	[83] Photon rings of stationary hairy black holes	KUANG, Xiao-Mei
12:10	[82] A Photon Cloud Induced from an Axion Cloud	TANG, Zi-Yu