

FoPM International Symposium

Monday 17 February 2025

Parallel Sessions 1: Parallel Session 1A - Auditorium (11:00 - 12:30)

-Conveners: Kensuke OGAWA

time	[id] title	presenter
11:00	[25] Optical response of edge modes in time-reversal symmetric topological superconductors	KOBAYASHI, Hirokazu
11:15	[26] Transport theory of an electron-phonon system: Crossover from phonon drag to phonon-mediated electron hydrodynamics	TAKAHASHI, Keigo
11:30	[27] Probing nonlinear spin-wave dynamics using diamond quantum sensors	OGAWA, Kensuke
11:45	[28] Seeds of Massive Stars Revealed by Radio Observations	MORII, Kaho
12:00	[29] Toward label-free observation of single proteins	SAWA, Masato
12:15	[30] TBA	LUO, Yingdong

Parallel Sessions 1: Parallel Session 1B - Conference Room, F3 (11:00 - 12:30)

-Conveners: Moeta TSUKAMOTO

time	[id] title	presenter
11:00	[31] Hofstadter butterfly of topological phases	SUDO, Hiroyuki
11:15	[32] Quasiperiodicity and superconductivity	YOSHII, Mao
11:30	[33] GLTCAM: Ultra-wideband and easy-to-array 180° Hybrid design for mm/submm continuum imaging	INOUE, Shuhei
11:45	[34] Fermionic CFTs from error-correcting codes and orbifold theories	YAHAGI, Shinichiro
12:00	[35] Observation of chiral domain walls in an octupole-ordered antiferromagnet	TSUKAMOTO, Moeta
12:15	[36] Games with backtracking options for (quantitative) unprovability results	KEN, Eitetsu

Parallel Sessions 1: Parallel Session 1C - Seminar Room, F3 (11:00 - 12:30)

-Conveners: Kosuke FUJIWARA

time	[id] title	presenter
11:00	[37] Waveform inversion for the 3D S-wave velocity structure in D'' beneath the Hawaiian Islands	OTSURU, Keisuke
11:15	[38] Extension of optimal transport to chemical reaction network	NAGAYAMA, Ryuna
11:30	[39] TBA	FUJIWARA, Kosuke
11:45	[40] Dynamic nuclear polarization with boron vacancy in hexagonal boron nitride	NAKAMURA, Yuki
12:00	[41] Building a bridge between two approaches to studying the space of smooth embeddings	YOSHIOKA, Leo
12:15	[42] Neutrino mass ordering determination in Super-Kamiokande-Gd	MIKI, Shintaro

Parallel Sessions 1: Parallel Session 1D - Gallery 1, B1 (11:00 - 12:30)**-Conveners: Masaya SAKAKIBARA**

time	[id] title	presenter
11:00	[43] How hot cools faster than cold: Universal microscopic theory of Mpemba effects	OHGA, Naruo
11:15	[44] TBA	ARITA, Shinichi
11:30	[45] Reducing qubit usage in entanglement distillation protocols for distributed quantum computation	MATSUI, Kosuke
11:45	[46] Fock State Generation with Aperiodic-Poled KTiOPO4 Waveguide	NOMURA, Takefumi
12:00	[47] Structural Fluctuation in Phase Transition of Crystalline Materials	SAKAKIBARA, Masaya
12:15	[48] Spin Nernst and thermal Hall effects of topological triplons on maple-leaf/star lattice antiferromagnets	ESAKI, Nanse