

ver. 9_19

JST	9/25 (Mon)	
10:55 - 11:00	opening	
Chair	T. Nishino	
11:00 -12:00	Takahiro Sagawa	On the existence of complete thermodynamic potentials: a resource-theoretic approach
12:00-14:00	lunch	
Chair	F. Pollmann	
14:00 - 15:00	Adam Smith	Entanglement Transitions in Unitary Circuit Games
15:00 - 15:30	coffee break	
Chair	Y.-J. Kao	
15:30 - 16:30	Kazuhiro Seki	Quantum-classical hybrid method for microcanonical ensembles
16:30 - 17:00	coffee break	
17:00 - 17:30	Rongyang Sun	Scalable quantum simulation for topological quantum phases on noisy quantum devices

JST	9/26 (Tue)	
Chair	H. Shinaoka	
9:30 - 10:30	Sylvain Capponi	Quantum Electrodynamics as the Organizing Principle of Triangular Antiferromagnets
10:30 - 11:00	coffee break	
11:00 - 12:00	Masafumi Udagawa	Local manipulation of Majorana zero mode in Kitaev's chiral spin liquid
12:00 - 14:00	lunch	
Chair	M. Oshikawa	
14:00 - 15:00	Hosho Katsura	Integrable SYK models
15:00 - 15:30	coffee break	
15:30 - 16:30	Laurens Vanderstraeten	Spin liquids and tensor networks
16:40 - 17:00	poster preview	Chair: Atis Yosprakob
17:00 - 18:00	Poster	room Y306

JST	9/27 (Wed)	
Chair	C. Hotta	
10:00 - 10:30	Masataka Kawano	Unconventional relaxation dynamics in a constraint electron system on the kagome lattice
10:30 - 11:00	coffee break	
11:00 - 12:00	Frank Pollmann	Isometric Tensor Networks: Efficient numerical simulations and exact representation of quantum states
12:00 - 14:00	lunch	
Chair	M. Udagawa	
14:00 - 15:00	Ying-Jer Kao	Emergence of a Dirac spin liquid state in the spin-1/2 AF kagome Heisenberg mode: a symmetric tensor network study
15:00 - 15:30	coffee break	
Chair	K. Okunishi	
15:30 - 16:30	Jeanne Colbois	Extreme value statistics in random spin chains
16:30 - 17:00	coffee break	
17:00 - 17:30	Yasuhiro Shimizu	Quantum spin liquid on frustrated magnets

JST	9/28 (Thu)	
Chair	K. Harada	
9:30 - 10:30	Yi Zhou	When Gutzwiller meets DMRG: a microscopic-wavefunction-guided approach to 2D correlated electrons
10:30 - 11:00	coffee break	
11:00 - 12:00	Hiroshi Shinaoka	Tensorizing Feynman diagrams: quantics tensor trains and quantics tensor cross interpolation
12:00 - 14:00	lunch	
Chair	L. Vanderstraeten	
14:00 - 15:00	Masaki Oshikawa	Construction of Symmetry-Protected Topological Phases with Duality Transformations
15:00 - 15:30	coffee break	
Chair	H. Katsura	
15:30 - 16:00	Chang-Tse Hsieh	Generalized Lieb-Schultz-Mattis theorem for 1d quantum magnets
16:00 - 16:30	Sanjay Moudgalya	Symmetries as Ground States of Local Hamiltonians
16:40 - 17:00	poster preview	Chair: Giacomo Marmorini
17:00 - 18:00	Poster	room Y306

JST	9/29 (Fri)	
Chair	T. Shimokawa	
9:30 - 10:00	Matthias Gohlke	Thermal pure matrix product state in two dimensions: tracking thermal equilibrium from paramagnet down to the Kitaev spin liquid state
10:00 - 10:30	Geet Rakala	Entanglement in random transverse field Ising models
10:30 - 11:00	coffee break	
Chair	J. Colbois	
11:00 - 12:00	Shinichiro Akiyama	Tensor renormalization group approach to the four-dimensional lattice gauge theories
	lunch	
Chair	M. Tezuka	
14:00 - 15:00	Daichi Kagamihara	Quench Dynamics of Rényi Entanglement Entropy in Non-Interacting and Strongly-Interacting Bosons
15:00 - 15:30	coffee break	
15:30 - 16:00	Giacomo Marmorini	Possible measurement of entanglement in a many-body quantum simulator via spiral quantum state tomography
16:00 - 16:30	Shreya Vardhan	Local dynamics and the structure of chaotic eigenstates