

HHIQCD2024

Monday, November 11, 2024

Seminar (5th week) - Panasonic Auditorium, Yukawa Hall (10:00 AM - 11:00 AM)

-Conveners: Aleksey Cherman

time	[id] title	presenter
10:00 AM	[116] Chiral gauge theory on the lattice	Prof. KAPLAN, David

Seminar (5th week) - Panasonic Auditorium, Yukawa Hall (11:30 AM - 12:30 PM)

-Conveners: Aleksey Cherman

time	[id] title	presenter
11:30 AM	[112] Lattice Weyl Fermion on a single spherical domain-wall 1	AOKI, Shoto
12:00 PM	[97] Lattice Weyl Fermion on a single spherical domain-wall 2	KAN, Naoto

Seminar (5th week) - Panasonic Auditorium, Yukawa Hall (2:00 PM - 3:30 PM)

-Conveners: Hidenori Fukaya

time	[id] title	presenter
2:00 PM	[85] Persistent order and beyond-BKT phase transitions	CHEMAN, Aleksey
3:00 PM	[42] Novel Lattice Formulation of 2D Chiral Gauge Theory via Bosonization	ONODA, Soma

Seminar (5th week) - Panasonic Auditorium, Yukawa Hall (4:00 PM - 5:00 PM)

-Conveners: Hidenori Fukaya

time	[id] title	presenter
4:00 PM	[108] D-Theory: Asymptotically Free Quantum Fields from the Dimensional Reduction of Discrete Variables	WIESE, Uwe-Jens

Tuesday, November 12, 2024

Seminar (5th week) - Panasonic Auditorium, Yukawa Hall (10:00 AM - 11:00 AM)

-Conveners: David Kaplan

time	[id] title	presenter
10:00 AM	[61] Phases of matter in systems with a discrete 1-form symmetry and the role of monopoles and center vortices	SULEJMANPASIC, Tin

Seminar (5th week) - Panasonic Auditorium, Yukawa Hall (11:30 AM - 12:30 PM)

-Conveners: David Kaplan

time	[id] title	presenter
11:30 AM	[101] Bridging two semiclassical confinement mechanisms: monopole and center vortex	HAYASHI, Yui

Seminar (5th week) - Panasonic Auditorium, Yukawa Hall (2:00 PM - 3:00 PM)

-Conveners: Tin Sulejmanpasic

time	[id] title	presenter
2:00 PM	[109] Gauging C on the Lattice	JACOBSON, Theo

Seminar (5th week) - Panasonic Auditorium, Yukawa Hall (3:30 PM - 5:00 PM)

-Conveners: Tin Sulejmanpasic

time	[id] title	presenter
3:30 PM	[55] Instanton Density Operator in Lattice QCD from Higher Category Theory	CHEN, Jing-Yuan
4:30 PM	[34] The theta angle dependence of the metastable vacuum energy in 2d $\mathbb{C}P^{N-1}$ model	YOKOKURA, Takahiro

Wednesday, November 13, 2024

Seminar (5th week) - Panasonic Auditorium, Yukawa Hall (10:00 AM - 11:00 AM)

-Conveners: Theo Jacobson

time	[id] title	presenter
10:00 AM	[114] Quantum simulation of string-breaking in $SU(2)_k$ lattice gauge theory	ZACHE, Torsten

Seminar (5th week) - Panasonic Auditorium, Yukawa Hall (11:30 AM - 12:30 PM)

-Conveners: Theo Jacobson

time	[id] title	presenter
11:30 AM	[122] Towards quantum simulating QCD: loop string hadron approach	RAYCHOWDHURY, Indrakshi

Seminar (5th week) - Panasonic Auditorium, Yukawa Hall (2:00 PM - 3:00 PM)

-Conveners: Torsten Zache

time	[id] title	presenter
2:00 PM	[26] Quantum Simulations of the Schwinger Model: from vacuum to dense matter	ILLA, Marc

Seminar (5th week) - Panasonic Auditorium, Yukawa Hall (3:30 PM - 5:00 PM)

-Conveners: Torsten Zache

time	[id] title	presenter
3:30 PM	[77] Computing mass spectra of gauge theories in the Hamiltonian formalism	MATSUMOTO, Akira
4:30 PM	[71] QED in two spatial dimensions: study confinement with quantum computing	RINALDI, Enrico

Friday, November 15, 2024

Seminar (5th week) - Panasonic Auditorium, Yukawa Hall (10:00 AM - 11:00 AM)

-Conveners: Xiaojun Yao

time	[id] title	presenter
10:00 AM	[69] Fermion determinants on a quantum computer	UNMUTH-YOCKEY, Judah

Seminar (5th week) - Panasonic Auditorium, Yukawa Hall (11:30 AM - 12:30 PM)

-Conveners: Xiaojun Yao

time	[id] title	presenter
11:30 AM	[18] Z3 lattice gauge theory as a toy model of QCD	YAMAMOTO, Arata

Seminar (5th week) - Panasonic Auditorium, Yukawa Hall (2:00 PM - 3:00 PM)

-Conveners: Arata Yamamoto

time	[id] title	presenter
2:00 PM	[74] Non Abelian Lattice Gauge Theories: From Quantum Simulation to Ergodicity	SILVI, Pietro

Seminar (5th week) - Panasonic Auditorium, Yukawa Hall (3:30 PM - 5:00 PM)

-Conveners: Sinya Aoki

time	[id] title	presenter
3:30 PM	[95] Quantum Many-Body Scars in 2+1D Gauge Theories	PINTO BARROS, Joao
4:30 PM	[86] Formulation of SU(N) Lattice Gauge Theories with Schwinger Fermions	LIU, Hanqing