

KEK-THEORY Workshop 2024

Wednesday, 11 December 2024

Parallel Session: IA - K03 Seminar Hall (14:50 - 16:30)

-Conveners: Shin Nakamura

time	[id] title	presenter
14:50	[10] Tensor renormalization group study of (1+1)-dimensional U(1) gauge-Higgs model at $\theta = \pi$ with Luescher's admissibility condition	Dr AKIYAMA, Shin-ichiro
15:15	[11] Tensor renormalization group study of 3D Yang-Mills theories with the reduced tensor network formulation	Dr YOSPRAKOB, Atis
15:40	[12] Grassmann bond-weighted tensor renormalization group approach to 1+1D two-color QCD with staggered fermions at finite density	Mr KWOK, Ho Pai
16:05	[13] Tensor renormalization group analysis of entanglement entropy in (1+1)-dimensional XY model	Dr TANAKA, Gota

Parallel Session: IB - K03 Seminar Hall (14:50 - 16:30)

-Conveners: Yuta Hamada

time	[id] title	presenter
14:50	[16] deSitter from M-Theory	Dr LOGES, Gregory
15:15	[15] Non-supersymmetric heterotic strings	Mr ISHIGE, Arata
15:40	[14] Quantum Black Brane in the 4d Standard Model	Mr KIMURA, Hayate
16:05	[17] Species scale in one-loop correction	Mr MICHINOBU, Yuri

Parallel Session: IIA - K03 Seminar Hall (17:00 - 18:15)

-Conveners: Yui Hayashi

time	[id] title	presenter
17:00	[18] Non-Lagrangian approach to GKP-Witten relation by conformal smearing	Prof. AOKI, Sinya
17:25	[19] Quantum tunneling, decoherence and the beginning of the Universe from Lefschetz thimble real-time simulations	Prof. NISHIMURA, Jun
17:50	[20] Complex Langevin Lattice QCD for Color-Superconductivity at Extremely High Density	MIURA, Kohtaroh

Parallel Session: IIB - K03 Seminar Hall (17:00 - 18:15)

-Conveners: Ryo Yokokura

time	[id] title	presenter
17:00	[21] 't Hooft line in 4D U(1) lattice gauge theory, and microscopic descriptions of dyon's statistics	Mr ONODA, Soma

17:25	[22] Proper Effective Temperature and Order Parameters in Relativistic Non-Equilibrium Steady States	Prof. NAKAMURA, Shin
17:50	[23] A scaling relation in large-N gauge theories at finite temperature	Prof. MORITA, Takeshi

Thursday, 12 December 2024

Parallel Session: IA - K03 Seminar Hall (14:50 - 16:30)

-Conveners: Kohtaroh MIURA

time	[id] title	presenter
14:50	[25] Universal structure of islands in evaporating black holes	Dr MATSUO, Yoshinori
15:15	[24] Narain CFT from error-correcting code via integers of cyclotomic field	Mr OIKAWA, Takumi
15:40	[26] Entanglement R'enyi entropy and boson-fermion duality in the massless Thirring model	Mr FUJIMURA, Harunobu
16:05	[37] Thermal Area Law in Long-Range Interacting Systems	Dr KIM, Donghoon

Parallel Session: IB - K03 Seminar Hall (14:50 - 16:30)

-Conveners: Matsuo Sato

time	[id] title	presenter
14:50	[27] Selection rules of topological solitons from non-invertible symmetries in axion electrodynamics	Dr YOKOKURA, Ryo
15:15	[28] Anyon condensation in mixed-state topological order #93	Dr KIKUCHI, Ken
15:40	[29] Bridging two semiclassical confinement mechanisms: monopole and center vortex	Dr HAYASHI, Yui
16:05	[36] Localized RG flows on composite defects and C-theorem	Dr GE, Dongsheng

Parallel Session: IIA - K03 Seminar Hall (16:50 - 18:30)

-Conveners: Asato Tsuchiya

time	[id] title	presenter
16:50	[31] Defining IKKT matrix model by gauge fixing Lorentz symmetry	Mr PIENSUK, Worapat
17:15	[30] Numerical studies of the type IIB matrix model with the gauge-fixed Lorentz symmetry	Mr TRIPATHI, Ashutosh
17:40	[32] Complex Langevin simulation of the IKKT matrix model with or without "gauge-fixing" the Lorentz symmetry	Mr YAMAMORI, Naoyuki
18:05	[33] TBA	Dr HATAKEYAMA, Kohta

Parallel Session: IIB - K03 Seminar Hall (16:50 - 18:30)

-Conveners: Gregory Loges

time	[id] title	presenter
16:50	[34] Unitarity of string geometry theory	Prof. SATO, Matsuo
17:15	[35] K27 as a symmetry of closed bosonic strings and branes	Dr GLENNON, Keith
17:40	[38] Revisiting Hawking Radiation via Generalized Uncertainty Principle	Mr CHAU, Tin-Long
18:05	[39] UV Origin of Late-time Hawking Radiation	Mr WANG, Cheng-Tsung