

KEK Theory Workshop 2022

Wednesday, 7 December 2022

Invited talk: Yuya Tanizaki (YITP) "Symmetries in QFT and applications" (09:00 - 10:00)

-Conveners: Ryo Yokokura

time	[id] title	presenter
09:00	[36] Symmetries in QFT and applications	Prof. TANIZAKI, Yuya

Invited talk: Satoshi Yamaguchi (Osaka U.) "Non-invertible symmetries on the lattice" (10:20 - 11:20)

-Conveners: Ryo Yokokura

time	[id] title	presenter
10:20	[37] Non-invertible symmetries on the lattice	Prof. YAMAGUCHI, Satoshi

Invited talk: Kantaro Ohmori (U. of Tokyo) "Neutrino Masses from Generalized Symmetry Breaking" (13:00 - 14:00)

-Conveners: Yoshimasa Hidaka

time	[id] title	presenter
13:00	[38] Neutrino Masses from Generalized Symmetry Breaking	Prof. OHMORI, Kantaro

Invited talk: Alon Faraggi (U. of Liverpool) "Toward realistic de Sitter heterotic-string models with stable moduli" (16:30 - 17:30)

-Conveners: Yuta Hamada

time	[id] title	presenter
16:30	[45] Toward realistic de Sitter heterotic-string models with stable moduli	Prof. FARAGGI, Alon

Thursday, 8 December 2022

Invited talk: Masafumi Fukuma (Kyoto U.) "Sign problem and the Worldvolume Hybrid Monte Carlo method"

(09:00 - 10:00)

-Conveners: Yuya Tanizaki

time	[id] title	presenter
09:00	[39] Sign problem and the Worldvolume Hybrid Monte Carlo method	Prof. FUKUMA, Masafumi

Invited talk: Daisuke Kadoh (Doshisha U.) "Tensor renormalization group in field theory" (10:20 - 11:00)

-Conveners: Yuya Tanizaki

time	[id] title	presenter
10:20	[40] Tensor renormalization group in field theory	Prof. KADOH, Daisuke

Invited talk: Jun Nishimura (KEK) "Solving the sign problem in the IKKT model and the real-time quantum evolution by the generalized Lefschetz thimble method" (11:20 - 12:00)

-Conveners: Yuya Tanizaki

time	[id] title	presenter
11:20	[41] Solving the sign problem in the IKKT model and the real-time quantum evolution by the generalized Lefschetz thimble method	Prof. NISHIMURA, Jun

Invited talk: Hervé Partouche (Ecole Polytech.) "Stability of open-string models with broken supersymmetry"

(17:00 - 17:40)

-Conveners: Sota Nakajima

time	[id] title	presenter
17:00	[46] Stability of open-string models with broken supersymmetry	Prof. PARTOUCHE, Hervé

Friday, 9 December 2022

Invited talk: Robert M. Wald (U. of Chicago) "Quantum Superpositions of Massive Bodies and Gravitationally Mediated Entanglement" (09:00 - 10:00)

-Conveners: Kengo Shimada

time	[id] title	presenter
09:00	[42] Quantum Superpositions of Massive Bodies and Gravitationally Mediated Entanglement	Prof. WALD, Robert

Invited talk: Masahiro Hotta (Tohoku U.) "Expanding Edges of Quantum Hall Systems in a Cosmology Language - Hawking Radiation from de Sitter Horizon in Edge Modes" (10:20 - 11:20)

-Conveners: Kengo Shimada

time	[id] title	presenter
10:20	[43] Expanding Edges of Quantum Hall Systems in a Cosmology Language - Hawking Radiation from de Sitter Horizon in Edge Modes	Prof. HOTTA, Masahiro

Invited talk: Yuji Sugawara (Ritsumeikan U.) "Constructions of Non-SUSY String Vacua with Vanishing Cosmological Constant" (13:00 - 13:40)

-Conveners: Sota Nakajima

time	[id] title	presenter
13:00	[47] Constructions of Non-SUSY String Vacua with Vanishing Cosmological Constant	Prof. SUGAWARA, Yuji

Invited talk: Suvrat Raju (ICTS) "Holography of information and the black-hole information paradox" (16:00 - 17:30)

-Conveners: Satoshi Iso

time	[id] title	presenter
16:00	[44] Holography of information and the black-hole information paradox	Prof. RAJU, Suvrat