

KEK Theory Workshop 2022

Wednesday, 7 December 2022

Parallel session B (14:20 - 16:20)

-Conveners: Kohta Hatakeyama

time	[id] title	presenter
14:20	[6] Numerical studies on the IKKT matrix model using Lefschetz thimble method	Mr YAMAMORI, Naoyuki
14:40	[7] Analytical analysis of the bosonic Lorentzian IKKT matrix model with a mass term	Mr PIENSUK, Worapat
15:00	[8] Fractional topological charge in lattice Abelian gauge theory	Mr ABE, Motokazu
15:20	[9] Phase structure of linear quiver gauge theories from anomaly matching	Mr WADA, Hiroki
15:40	[10] Spontaneous CP breaking in 4D SU(N) gauge theory at $\theta=\pi$ and its restoration at finite temperature	Dr MATSUMOTO, Akira
16:00	[11] Optimized flow for generalized Lefschetz thimble method	Dr SAKAI, Katsuta

Thursday, 8 December 2022

Parallel session B (14:00 - 15:20)

-Conveners: Ryo Yokokura

time	[id] title	presenter
14:00	[19] Curved domain-wall fermion and its anomaly inflow	Mr AOKI, Shoto
14:20	[20] A microscopic description of the Witten effect with negatively massive fermions	Prof. FUKAYA, Hidenori
14:40	[21] Reality from maximizing overlap in the periodic complex action theory	Prof. NAGAO, Keiichi
15:00	[22] Supersymmetric affine Toda field equations and ODE/IM correspondence	Mr ZHU, Mingshuo

Parallel session B (15:40 - 16:40)

-Conveners: Ryo Yokokura

time	[id] title	presenter
15:40	[23] Renormalization group approach to cMERA	Mr KUWAHARA, Takaaki
16:00	[24] Fluid model of black hole/string transition	Dr MATSUO, Yoshinori
16:20	[25] Krylov complexity of free and interacting scalar QFTs in the continuum limit	Dr NISHIDA, Mitsuhiro

Friday, 9 December 2022

Parallel session B (14:00 - 15:40)

-Conveners: Gregory Loges

time	[id] title	presenter
14:00	[31] M2-branes and q-Painleve equations	Dr NOSAKA, Tomoki
14:20	[32] 6d Seiberg-Witten curves for E-string and Little string theories from 5-brane webs	Dr SUGIMOTO, Yuji
14:40	[33] Axiomatic rational RG flow	Dr KIKUCHI, Ken
15:00	[34] Application of Nambu Dynamics to Non-equilibrium thermodynamics	Mr MATSUOKA, Yoshiki
15:20	[35] Hierarchical structure of physical Yukawa couplings from matter field Kaehler metric	Prof. OTSUKA, Hajime