

Welcome to KEK-THEORY Workshop 2024

Kohtaroh Miura on Behalf of Organizers

KEK, Institute of Particle and Nuclear Studies, Theory Center

December 11 Wednesday, 2024 at KEK Tsukuba Campus

Our Team

Local Organizers:

Yuta Hamada	(KEK)
Kohta Hatakeyama	(Kyoto University)
Machiko Hatsuda	(KEK, Juntendo University)
Satoshi Iso	(KEK → RIKEN)
Gregory Joseph Loges	(KEK)
Kohtaroh Miura	(KEK)
Shun'ya Mizoguchi	(KEK/SOKENDAI)
Jun Nishimura	(KEK/SOKENDAI)
Hiroki Ohata	(KEK)
Katsuta Sakai	(KEK)

Secretary: Yuko Ohno (KEK)

Goal of KEKTH-2024

String Theory



KEKTH

original Focus 199X ~ 200X

- M-Theory
- D-brane
- Duality
- AdS/CFT
- Matrix Model
- ⋮

Goal of KEKTH-2024

String Theory

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BSM

Dark Matter, SUSY, Axion, ---

Cosmology

Inflation, Black Hole, Gravity Waves,
Baryogenesis, ---

Strong QFT

QCD/Hadron, Holography, Phase Trans. ---

Math-Physics

Integrability, Non-Invertible Symm. ---

Quantum Information

Ryu-Takayama, Island, Entanglement ---

Goal of KEKTH-2024

String Theory

- M-Theory
- D-brane
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Quantum Computer / Tensor Network

BSM

Dark Matter, SUSY, Axion, ---

Cosmology

Inflation, Black Hole, Gravity Waves,
Baryogenesis, ---

Strong QFT

QCD/Hadron, Holography, Phase Trans.

Math-Physics

Integrability, Non-Invertible Symm. ---

Quantum Information

Ryu-Takayanagi, Island, Entanglement

Goal of KEKTH-2024

We encourage you to ask questions
at any time during plenary/parallel talks,
not necessarily in the last 10-min. or 5-min. question times.

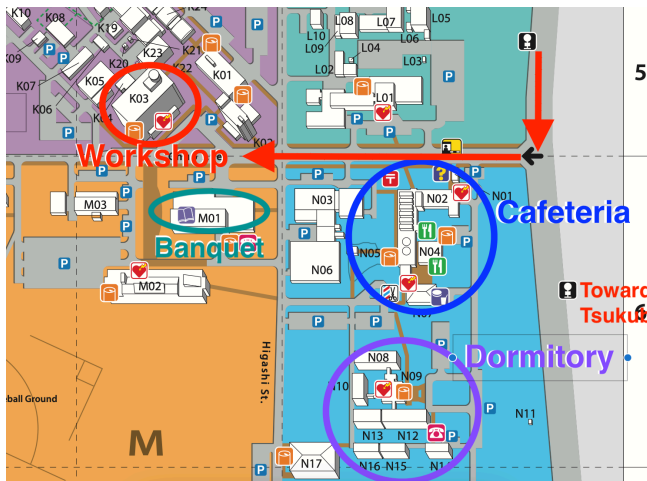
Practical Information

- Wifi: eduroam or keyaki, where the latter is accessible via
 - ① go to <http://www.kek.jp/>
 - ② Event name: KEK THEORY / Event Password: kekth2024
 - ③ SSID: keyaki / Password: guestnet.2014
- Slide upload to KEK-Cloud:
 - Please indicate your name in the file.
 - Link: <https://kekcloud.kek.jp/index.php/s/yeArkEaxXR6qtrC>
 - PS: Dir62taFLY
- Banquet: Dec. 11th 18:30 at lounge in Kenkyu Honkan (Building M01).
- Group Photo: Dec. 12(Thu), Just after the morning session, in front of this building.

Practical Information

- Tsuku-Bus between KEK and Tsukuba Center:
https://www2.kek.jp/rso/Access/pdf/KEK_Center.pdf
- Urban Hotel Shuttlebus:
 - 11th To KEK: 09:00AM, To Hotel: 20:30
 - 12th To KEK: 09:00AM, To Hotel: 18:45
 - 13th To KEK: 08:45AM

Campus Map



ZONE-M		
No.	Address	Name
M01	c-6	Kenkyu Honkan Bldg.
M02	c-6	Yon-Go-Kan Bldg.
M04	b-6	Radiation Contol
M05	b-6	Chemistry Lab.

ZONE-N		
No.	Address	Name
N01	d-6	Information Center
N02	d-6	KEK Interenational Center
N03	d-6	Computer North Bldg.
N04	d-6	Cafeteria
N06	d-6	Computer South Bldg.
N07	d-6	Employee's Center
N08	d-6	Dormitory No.2
N09	d-6	Dormitory Commons
N10	d-6	Dormitory No.3
N12	d-6	Dormitory No.1
N13	d-6	Dormitory No.4
N14	d-6	Guest House A
N15	d-6	Guest House B
N16	d-6	Guest House C
N17	d-6	Gymnasium

ENJOY KEK-THEORY Workshop 2024!