SCHOOL OF SCIENCE
THE UNIVERSITY OF TOKYO

2025 Graduate Open House (Online) Department of Physics, The University of Tokyo

3pm (JST), July 5th, 2025.

Last Updated on June 17, 2025

2025 Program (July 5, 2025) will start at 3pm (Tokyo)
= 2pm (Beijing) / 11:30am (New Delhi) / 8:00am (Frankfurt) / 11:00pm-1day (San Francisco) / 2:00 am (New York).

Zoom link: available with registration.
*The recorded materials will be available later with this registration.

Program

15:00 – 15:30	Opening and an overview of Department of Physics at Univ. of Tokyo	Prof. Haozhao Liang, Department of Physics
15:30 – 15:45	Graduate programs, scholarships, and application processes	Prof. Haozhao Liang, Department of Physics
15:45 – 15:55	Break (Q&A)	
15:55 – 16:05	Welcome messages from graduate students	2 international graduate students in Department of Physics
16:05 – 16:25	Q&A	
16:25 – 16:30	Break	
16:30 –	Individual Zoom Meeting	Organized by each faculty

The participating faculty members are listed in the next page.
Most of them will hold “Individual Zoom Meeting” at 16:30.
The Zoom links of those meetings are also **available with registration.**

	Faculty Name (alphabetical)	Affiliation	Research Topic
1	**Kipp CANNON**	Research Center for the Early Universe	Astrophysics using gravitational-wave observations.
2	**Koichi HAMAGUCHI**	Department of Physics	Theoretical Particle Physics (physics beyond the Standard Model of Particle Physics and its application to cosmology, such as Baryogenesis, Dark Matter and its signatures, and Inflation).
3	**Yoshitaka ITOW**	RCCN, Institute for Cosmic Ray Research	Neutrino oscillations and dark matter search in Super-Kamiokande and future Hyper-Kamiokande
4	**Kentaro KITAGAWA**	The Institute for Solid State Physics	High-pressure experiments on superconductivity and quantum magnetism, and development of new measurement methods including solid-state quantum sensing
5	**Takeshi KONDO**	Institute for Solid State Physics	Condensed matter experiments using angle-resolved photoemission spectroscopy (ARPES) to explore quantum materials (such as topological insulators, strongly correlated systems, Weyl magnets, magnetic skyrmions, and devil's staircase compounds) with a focus on electronic structure, spin textures, and ultrafast dynamics.
6	**Kuniaki KONISHI**	Institute for Photon Science and Technology	Research of micro- and nano-scale artificial structures with new optical phenomena (metasurface) and physics of laser processing
7	**Akito KUSAKA**	Department of Physics	Observational cosmology, primarily through cosmic microwave background and quantum sensing
8	**Haozhao LIANG**	Department of Physics	Quantum many-body theories and applications to nuclear and cold-atom physics
9	**Yuta MICHIMURA**	RESCEU, University of Tokyo	Experimental gravity. Exploring the nature of gravity through gravitational wave observations using large-scale laser interferometers and through small-scale experiments that explore new laws of physics.
10	**Yasuhiro NAKAJIMA**	Depatment of Physics	Particle and astroparticle physics experiments with neutrinos
11	**Takayuki SAITO**	ICRR	TeV gamma-ray astrophysics using CTAO and photo-detector development
12	**Synge TODO**	Department of Physics	Computational physics: evelopment of advanced computational methods, such as MCMC, tensor networks, statistical machine learning for strongly correlated many-body systems, and quantum computation
13	**Masahito YAMAZAKI**	Department of Physics	string theory and mathematical physics
14	**Masashi YOKOYAMA**	Department of Physics	Particle physics experiments focusing on neutrino oscillations and proton decay, using Super-Kamiokande and Hyper-Kamiokande
15	**Yijin ZHANG**	Department of Physics	Quantum physics in nanomaterials