

YITP workshop "Holographic vistas on Gravity and Strings"

● **Three day Workshop Program (May 26-28)**

Place: Panasonic Auditorium (1F Yukawa Hall)

	May26 th (Mon.)	May27 th (Tue.)	May28 th (Wed.)
10:00-10:40	Emparan (40)	Das (40)	Solodukhin (40)
10:45-11:05	Tanabe (20)	Murata (20)	Matsuura (20)
11:10-11:30	Suzuki (20)	Meyer (20)	Sugishita (20)
11:35-11:55	Yokokura (20)	Azeyanagi (20)	Mori (20)
12:00-13:30	Lunch	Lunch	Yoshida (20)
13:30-14:10	Cardoso (40)	Lopez (40)	Breakup on 12:25
14:15-14:35	Kodama (40)	Ogawa (20)	
14:40-15:00		Ugajin (20)	
15:05-15:25	Yoshino (20)	Ishihara (20)	
15:30-16:00	Coffee Break	Coffee Break	
16:00-16:40	Dias (40)	Sinha (40)	
16:45-17:05	Sperhake (40)	Banerjee (20)	
17:10-17:30		Nozaki (20)	
17:35-17:55	Iizuka (40)	Caputa (20)	
18:00-18:20			
	18:30- Poster Session and Reception	19:00-- Banquet @ Coop	

(40) → 40 min. talk, (20) → 20min. talk.

Chairs

	May 26th	May 27th	May 28th
10:00-12:00	Tanaka	Cardoso	Das
13:30-15:30	Shibata	Takayanagi	
16:00-18:30	Ishibashi	Shigemori	

Speakers and Titles

[May 26th]

Roberto Emparan (Barcelona)

Decoupling and non-decoupling dynamics of large D black holes

Kentaro Tanabe (KEK)

Instability of rotating black holes: Large D analysis

Ryotaku Suzuki (Osaka City University)

Analysis of the Einstein equation in the Large D limit

Yuki Yokokura (YITP, Kyoto U.)

On the thermodynamics of gravitational screens

Vitor Cardoso (Lisbon)

Fundamental fields in strong gravity

Hideo Kodama (KEK)

Perturbations of SdS-type Solutions in the dRGT Massive Gravity Theory

Hiroataka Yoshino (KEK)

Axion Bosenova and Gravitational Waves

Oscar Dias (Southampton)

Vortices in holographic superfluids and superconductors

Ulrich Sperhake (Cambridge)

Colliding black holes

Norihiro Iizuka (Osaka U.)

What does condensed matter physics tell us about general relativity?

[May 27th]

Sumit Das (Kentucky)

Universality in Fast Quantum Quenches in Conformal Field Theories

Keiju Murata (Keio U.)

Dynamical Meson Melting in Holography

Rene Meyer (Kavli IPMU, Tokyo U.)

Interaction-Driven Insulators and Superconductors in Holography, and Homes Law

Tatsuo Azeyanagi (Ecole Normale Superieure)

Thermal Helicity in Fluid/Gravity Correspondence

Esperanza Lopez (IFT, Madrid)

Holographic Relaxation of Finite Size Isolated Quantum Systems

Noriaki Ogawa (RIKEN)

On the Entanglement of Multiple CFTs via Rotating Black Hole Interior

Tomonori Ugajin (Tokyo U.)

On a holographic quantum quench with a finite size effect

Masafumi Ishihara (AIMR, Tohoku U.)

AdS₅ with two boundaries and holography of N=4 SYM theory

Aninda Sinha (Indian Institute of Science, Bangalore)

Lessons from holographic relative entropy

Shamik Banerjee (Kavli IPMU, Tokyo)

Trace anomaly matching and exact results for entanglement entropy.

Masahiro Nozaki (YITP, Kyoto U.)

Quantum Entanglement of Local Operators

Pawel Caputa (YITP, Kyoto U.)

Entangled Operators in AdS/CFT

[May 28th]

Sergey Solodukhin (Tours)

Which surface maximizes entanglement entropy?

Shunji Matsuura (McGill)

Charged Renyi entropies and Symmetry protected topological phases

Sotaro Sugishita (Kyoto U.)

Holographic Holes in Higher Dimensions

Hironori Mori (Osaka U.)

M5-branes and Wilson Surfaces in AdS₇/CFT₆ Correspondence

Kentaroh Yoshida (Kyoto U.)

Towards the gravity/CYBE correspondence

[Poster Sessions]

Ivan Arraut (Osaka U.)

Black hole stability in dRGT non-linear massive gravity

Takashi Kameyama (Kyoto U.)

Anisotropic Landau-Lifshitz sigma models from q-deformed AdS₅ x S⁵ superstring

Umpei Miyamoto (Akita Prefectural University)

Liquid bridges and black strings in general dimensions: Stability

Mitsuhiro Nishida (Osaka U.)

Phase Diagram of a Holographic Superconductor Model with s-wave and d-wave

Yoshiki Sato (Kyoto U.)

Holographic Schwinger effect in confining theories

Ichinose Shoichi (Shizuoka U.)

General Relativity Treatment of a Dissipative Model and Non-equilibrium Statistical Approach

Yasuho Yamashita (YITP, Kyoto U.)

Mapping de Rham-Gabadadze-Tolley bigravity into braneworld setup