

[1st WK]

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**10:30-11:30 Sumit Das (U. of Kentucky)**

Quantum Quench and Entanglement in 2D string theory and Matrix Cosmology

**11:30-12:00 Coffee Break**

**12:00-12:20 Arpan Bhattacharayya (YITP, Kyoto U.)**

Circuit complexity in interacting QFTs and RG flows

**12:20-12:40 Chen-Te Ma (South China Normal U./Cape Town U.)**

SL(3) Chern-Simons Higher Spin and Toda Chain Theories

**14:00-15:00 Masaki Tezuka (Kyoto U.)**

Quantum Lyapunov spectrum of the Sachdev-Ye-Kitaev model

**15:00-15:30 Coffee Break**

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**10:30-11:30 Sunil Mukhi (IISER, Pune)**

New Results in the Rational Modular Bootstrap

**11:30-12:00 Coffee Break**

**12:00-12:20 Nozomu Kobayashi (Kavli IPMU, U. of Tokyo)**

OPE for conformal defects and holography

**14:00-15:00 Adrian Franco Rubio (Perimeter)**

Continuous tensor network renormalization for quantum fields

**15:00-15:30 Coffee Break**

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**10:30-11:30 Del Campo Adolfo (U. of Massachusetts Boston)**

Extreme Decoherence and Quantum Chaos

**11:30-12:00 Coffee Break**

**12:00-12:20 Shuichi Yokoyama (YITP, Kyoto U.)**

Holographic computation of quantum corrections to bulk cosmological constant

**14:00-14:20 Ignacio Jesus Araya (Universidad Andres Bello)**

Holographic Entanglement Entropy renormalization through extrinsic counterterms

**14:20-14:40 Masataka Watanabe (CERN)**

Boundary, Anomaly, and Entanglement

**15:00-15:30 Coffee Break**

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**10:30-11:30 Finn Larsen (U. of Michigan)**

Entanglement Entropy in QFT with Nonminimal Couplings

**11:30-12:00 Coffee Break**

**12:00-12:20 Yoshiki Sato (U. of Tokyo)**

Towards a C-theorem in defect CFT

**14:00-15:00 Zi-Wen Liu (Perimeter)**

One-shot operational quantum resource theory, with applications to non-stabilizer quantum computation

**15:00-15:30 Coffee Break**

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**10:30-11:30 Vasudev Shyam (Perimeter)**

Entanglement in finite cutoff holography

**11:30-12:00 Coffee Break**

**12:00-12:20 Ro Jefferson (AEI, Potsdam)**

TBA

**12:20-12:40 Ken Umeno (Kyoto U.)**

Information Preservation Law from the view point of chaos theory

**14:00-15:00 Philip W. Phillips (UIUC)**

Fractional Electromagnetism

**15:00-15:20 Gabriele La Nave (UIUC)**

TBA

**15:20-15:50 Coffee Break**

[2<sup>nd</sup> Week]

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10:30-11:30 Masahiro Nozaki (Riken/UC Berkeley)

Signature of quantum chaos in operator entanglement in 2d CFTs

11:30-12:00 Coffee Break

12:00-12:20 Ronak Soni (Stanford U.)

The Meaning of Entanglement Entropy in Continuum QFT

12:20-12:40 Kanato Goto (Riken)

Holographic Complexity in the Jackiw-Teitelboim Gravity

14:00-15:00 Beni Yoshida (Perimeter)

Firewalls vs. Scrambling

15:00-15:30 Coffee Break

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10:30-11:30 Djordje Radicevic (Perimeter)

Entanglement and duality

11:30-12:00 Coffee Break

12:00-12:20 Yuya Kusuki (YITP, Kyoto U.)

Light Cone Bootstrap in general 2D CFTs

12:20-12:40 Arvin Shahbazi Moghaddam (UC Berkeley)

Coarse-graining behind Quantum screenings

14:00-15:00 Shouvik Datta (UCLA)

Aspects of TTbar deformations

15:00-15:30 Coffee Break

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10:30-11:30 Gabriel Hang Tat Wong (Fudan)

Entanglement branes, modular flow and extended topological quantum field theory

11:30-12:00 Coffee Break

12:00-12:20 Ali Mollabashi (MPI, Munich) TBA

12:20-12:40 Sotaro Sugishita (U. of Kentucky)

Dressed states from gauge invariance

14:00-14:20 Adam Lewis (Perimeter)

Tensor-Network Simulations of Dirac Fields on Curved Backgrounds

14:20-14:40 Kento Watanabe (U. of Tokyo) TBA

**15:00-15:30 Coffee Break**

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**10:30-11:30 Michal Heller (AEI, Potsdam)**

Towards a unified picture of complexity for quantum fields

**11:30-12:00 Coffee Break**

**12:00-12:20 Souvik Dutta (UIUC)**

Holography and Purification entropy

**12:20-12:40 Koji Umemoto (YITP, Kyoto U.)**

Entanglement of Purification in Quantum Many Body Systems and Symmetry Breaking

**14:00-15:00 Chong-Sun Chu (NCTS, Tsing-Hua)**

Weyl Anomaly and Magnetization Current for M5 Branes in Background 3-form Flux

**15:00-15:30 Coffee Break**

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**10:30-11:30 Alex Belin (CERN)**

Holographic Symplectic forms and extremal volumes: a new York time story

**11:30-12:00 Coffee Break**

**12:00-12:20 Masamichi Miyaji (U. of Tokyo)**

Holographic Entanglement of Purification from Conformal Field Theories

**12:20-12:40 Edward Andrew Mazenc (Stanford U.)**

Entanglement Entropy for Non-Compact Gauge Groups

**14:00-15:00 Christopher Nelson Akers (UC Berkeley)**

On unreconstructable regions of the entanglement wedge

**15:00-15:30 Coffee Break**