

## Posters I

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|----|---------------------|---|
| 1  | Amin Alibakhshi     | On the entropy dilemma: Gibbs paradox revisited   |
| 2  | Sinan Altinisik     | Master equation for an arbitrarily quick driven harmonic oscillator   |
| 3  | Amy Altshuler       | Starting over without forgetting the past   |
| 4  | Julian Arnold       | Entropy production in ticking clocks: Fundamental limits of timekeeping   |
| 5  | Faraj Bakhshinezhad | Master Equation and detailed fluctuation relation in the presence of continuous feedback control                      |
| 6  | Rick Bebon          | First-passage times in complex energy landscapes: a case study with nonmuscle myosin II assembly                      |
| 7  | Kristian Blom       | Tuning the Kinetics of Magnetization Reversal in an Irreversible Ising Model  |
| 8  | Valentin Boettcher  | Calculating Energy Flows in Strongly Coupled Open Quantum Systems with HOPS   |
| 9  | Dmitry Boriskovsky  | An experimental test of a nonlinear fluctuation-dissipation theorem to test Markovianity far from thermal equilibrium |
| 10 | A. Mert Bozkurt     | Topological information device operating at the Landauer limit  |
| 11 | Vasco Cavina        | Thermodynamic consistency of quantum master equations   |
| 12 | Omer Chor           | Number fluctuations and the Szilard Engine: active matter wins  |

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| 13 | Yurii Dumin<br>(online)  | Spontaneous Temperature Increase in Ultracold Plasmas: Disorder-Induced Heating vs. Virialization                    |
| 14 | Owen C. Ernst            | Circumventing the second law of thermodynamics by entropy export to generate regular arrays of liquid metal droplets |
| 15 | Julian Feß               | Dynamical phase transition in an open quantum system   |
| 16 | Ian Ford                 | Entropy production for Brownian trajectories of a reduced density matrix   |
| 17 | Klavs Hansen<br>(online) | Temperature of a finite system and the origin of the Boltzmann factor  |
| 18 | Yuchi He                 | Conductance of correlated many-fermion systems from bipartite charge fluctuations and entanglement entropies         |
| 19 | Miku Ishizaki            | Switching the function of the quantum Otto cycle in non-Markovian dynamics: heat engine, heater and heat pump        |
| 20 | Kathrin Laxhuber         | Heat flux in phase-separated systems out of equilibrium  |
| 21 | Jing Li                  | Quantum heat engine based on a spin-orbit and Zeeman-coupled Bose-Einstein condensate                                |