

## Poster Session 2: Tuesday, 12 July, 19:30 h (CEST)

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|----|--------------------------|--|
| 1  | Moein Naseri             | Entanglement and Coherence in Bernstein-Vazirani Algorithm   |
| 2  | Ties-Albrecht Ohst       | Nearly Optimal Separability Certification of Quantum States  |
| 3  | Neha Pathania (Online)   | Quantum Coherence as an Entanglement Measure   |
| 4  | Tushita Prasad           | $1/n$ Expansion of the Regularised Coherent Information of a Noisy Quantum Channel   |
| 5  | Maria Quadeer            | Typical Measurement Bases for State Tomography   |
| 6  | Muthuganesan Rajendran   | Asymmetry-induced Nonclassical Correlation   |
| 7  | Moritz Ferdinand Richter | Quantum Frames, Distance Measures and Non-Markovianity   |
| 8  | Salwa Shaglel            | Estimating the Entangling Power of a Two-qubit Gate from Measurement Data: Artificial Neural Networks and Randomized Measurements versus Standard Tomography Methods |
| 9  | Markus Sifft             | Quantum Polyspectra – Grand Unified Theory of Continuous Quantum Measurements  |
| 10 | Abdallah Slaoui (Online) | A Comparative Study between Local Quantum Fisher Information and Local Quantum Uncertainty   |
| 11 | Hector Spencer-Wood      | Measurement Disturbance Tradeoffs in Unsupervised Quantum Classification   |
| 12 | Philipp Stammer          | Theory of Entanglement and Measurement in High Harmonic Generation   |

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| 13 | Jonathan Steinberg       | Optimising Shadow Tomography with Generalised Measurements   |
| 14 | Nidhin Sudarsanan Ragini | Labeling of Quantum Observables and Process Measurements   |
| 15 | Jacopo Surace            | State Retrieval Beyond Bayes' Retrodiction and Reverse Processes   |
| 16 | Konrad Szymanski         | Entanglement Detection with Arbitrary Observables  |
| 17 | Philip Taranto           | Operational Characterisation of Quantum Memory Effects via Multi-Time Probing Schemes  |
| 18 | Lucas Tendick            | Distance-based Resource Quantification for Sets of Quantum Measurements  |
| 19 | Lauritz van Luijk        | The Classical Limit  |
| 20 | Isadora Veeren           | Entropic Uncertainty Relations and the Quantum-to-Classical transition   |
| 21 | Vadim Vorobyov           | On Measurement Efficiency in a Room Temperature Weak Measurement Apparatus Based on Single NV Center in Diamond with Weakly Coupled Nuclear Spin |
| 22 | Lisa Weinbrenner         | Average Waiting Times for Entanglement Links in Multiplexed Quantum Networks   |
| 23 | Nikolai Wyderka          | Detecting Bound Entanglement Using Randomized Measurements in Two-qudit Systems  |
| 24 | Zhen-Peng Xu             | Quantum State-independent Certification  |

**25** Mario Ziman

**Measurements of Quantum Memory Devices**