

Journal Club on Quantum Information Theory WS 21/22

Institut für Theoretische Physik III

Prof. Dr. D.Bruß

Wednesday 10:30 - 11:30

Talk duration: 45 minutes

Organizer: Federico (federico.grasselli@hhu.de)

Location: [Online](https://hhu.webex.com/meet/fgrasselli) (https://hhu.webex.com/meet/fgrasselli) or **in person** (seminar room 25.32.03.51)

Date	Name	Title	Paper
27.10	Thomas	Limitations on transversal gates for hypergraph product codes	arXiv:2012.05842
03.11	Christian	Operational Resource Theory of Imaginarity	Phys. Rev. Lett. 126, 090401
10.11			
17.11			
24.11	Nikolai	On PPT Square Conjecture	arXiv:2108.01588v1
01.12	Sarnava	Device-Independent Quantum Key Distribution (experiment)	arXiv:2110.00575 & 2109.14600
08.12	Julia	Realization of a multi-node quantum network of remote solid-state qubits	
15.12	Giacomo	Quantum hypothesis testing for exoplanet detection	arXiv:2106.00488

Date	Name	Title	Literature
12.01	Gláucia	The black hole information puzzle and the quantum de Finetti theorem	arXiv:2110.14653
19.01	Federico	Set coherence: basis-independent quantification of quantum coherence	Phys. Rev. Lett. 126, 220404 (2021)
26.01	Lucas	Coherence as Uncertainty	Phys. Rev. A 103, 042423 (2021)