

# Journal Club on Quantum Information Theory (SS 2023)

Institut für Theoretische Physik III  
Prof. Dr. D. Bruß

Time: Tuesdays, 10:30h – 12:30h

Talk duration: 45 minutes

Location: seminar room 25.32.03.51

Organization: Nikolai Wyderka (wyderka@hhu.de), Chandan Datta (chandan.datta@uni-duesseldorf.de)

## Schedule

Date	Name	Topic	Literature
20.04.	Federico Grasselli	Impossibility of Superluminal Signaling in Minkowski Spacetime Does Not Rule Out Causal Loops	Phys. Rev. Lett. <b>129</b> , 110401 (2022)
16.05.	Justus Neumann	Uncertainty relations from graph theory	arXiv:2207.02197
30.05.	Chandan Datta	No second law of entanglement manipulation after all	Nature Physics <b>19</b> , 184 (2023)
06.06.	Julia Kunzelmann	Identifying primes from entanglement dynamics	arXiv:2303.10157
13.06.	Gláucia Murta	Inevitability of knowing less than nothing	arXiv:2208.14424
20.06.	Nikolai Wyderka	Learning marginals suffices!	arXiv:2303.08938
27.06.	Alina Straßer	Light information processing in the brain	