

# **Journal Club on Quantum Information Theory (WS 2018/2019)**

**Institute for Theoretical Physics III, D. Bruß**

*Wednesdays, 10:30 – 11:30, building 25.32.03, room 51*

**Topics:** The idea of this seminar is that every participant presents a paper about current research related to the field of Quantum Information Theory. Topics include typically the theory of entanglement and quantum correlations, quantum communication and quantum cryptography, state estimation, non-locality, quantum networks, and other quantum effects in various contexts.

**Requirements:** Good knowledge in quantum mechanics and other concepts of theoretical physics. Fundamental knowledge in Quantum Information Theory (e.g. via attending the lecture on “Theoretical Quantum Optics and Quantum Information”).

**Benefit:** 3 credit points as “Ergänzungsmodul” and many interesting talks.

**First Meeting:** The Journal Club starts on

*Wednesday, 10.10.2018, 10:30, building 25.32.03, room 51*

for organization and choice of topics (own proposals are welcome but not necessary).