

# Mathematical Physics

Location: SU, Kräftriket, Building 5, room 35

- **Thursday, March 17**

14:00 – 14:40 Antti Kupiainen, Constructive Conformal Field Theory

14:45 – 15:25 Maria Esteban, Nonlinear flows, rigidity and eigenvalues of Schrödinger operators

**Coffee break**

16:00 – 16:40 Matthias Christandl, Nondeterministic multiparty quantum communication

16:45 – 17:25 Horia Cornean, Wannier functions, Bloch bundles and topological degree theory

- **Friday, March 18**

14:00 – 14:40 Hans Ringström, On the cosmic no-hair conjecture in the Einstein-Vlasov setting

14:45 – 15:25 Thomas Bäckdahl, Spacetime structure and computer algebra

**Coffee break**

16:00 – 16:40 Tobias Ekholm, Chern-Simons theory, topological string, and knot contact homology

16:45 – 17:25 Jan Dereziński, Mathematical theory of Bogoliubov Hamiltonians

- **Saturday, March 19**

14:00 – 14:40 Arne Jensen, Memory Effects in Mesoscopic Systems

14:45 – 15:25 Thordur Jonsson, Exponential bounds on the number of 3-dimensional causal triangulations

**Coffee break**

16:00 – 16:40 Farrokh Atai, Anyons and the deformed Calogero-Sutherland model

16:45 – 17:25 Magnus Goffeng, Spectral flows along compact obstacles for magnetic Schrödinger operators