

Departement Physik

Universität Basel

Klingelbergstrasse 82, 4056 Basel

Seminar der Theorie der Kondensierten Materie

Frühjahrssemester 2012

Donnerstags, 14:00, Raum 4.1

25. January, **Alexander Zyuzin**, University of Waterloo

QC2 Seminar: "Magnetic Field Driven Quantum Phase Transition in a Thin Topological Insulator Film"

27. January, **Jason Petta**, Princeton University

QC2 Seminar: "Hybrid quantum systems: Coupling spin-orbit qubits to superconducting resonators"

10. February, **Georgios Katsaros**, IFW Dresden

QC2 Seminar: "SiGe self-assembled nanostructures: from surface science to quantum transport"

16. February, **Peter Stano**, University of Basel

QC2 Seminar: "Measuring spin currents in mesoscopic conductors"

22. March, **Yaroslav Tserkovnyak**, UCLA

QC2 Seminar: "Spin transfer in conducting and insulating magnetic systems"

29. March, **James Wootton**, University of Basel

QC2 Seminar: "An introduction to the toric and planar codes"

04. April, **Uli Zuelicke**, Victoria University of Wellington

QC2 Seminar: "Quantum-confined holes: More spin for your buck!"

19. April, **Tobias Meng**, University of Cologne

QC2 Seminar: "Weyl Superconductors"

27. April, **Ivan C. da Cunha Lima**, State University of Rio de Janeiro

QC2 Seminar: "Spintronics: localized and extended states in GaMnAs-related semiconductor heterostructures"

10. May, **James Wootton**, Universität Basel

QC2 Seminar: The sequel of "An introduction to the toric and planar codes"

16. May, **Jeremy Levy**, University of Pittsburgh
QC2 Seminar: "Oxide Nanoelectronics On Demand"

24. May, **Klaus Hornberger**, University of Duisburg-Essen
QC2 Seminar: "Macroscopicity of quantum superposition states"

31. May, **Fabio Pedrocchi**, Universität Basel
QC2 Seminar : no title yet

04. June, **Daniel Becker**, Universität Basel
QC2 Seminar: no title yet

07. June, **Arthur Jaffe**, Harvard University
QC2 Seminar: "Constructive Quantum Field Theory"

09. August, **Oded Zilberberg**, Weizmann Institute of Science
QC2 Seminar: "Topological states in quasicrystals"