



Higher School of Economics
Condensed-matter physics laboratory



Winter school on Quantum Condensed-Matter Physics–2017

December 13-17, 2017, Landau Institute, Chernogolovka

cmp.hse.ru/qcmp_school2017

Lectures

- A. Kuntsevich** (Lebedev I. & HSE, Russia)
Synthesis and properties of novel 3D topological insulator based materials
- K. Michaeli** (Weizmann I., Israel)
Conventional and topological multi-channel Kondo problem
- Y. Nazarov** (Delft U. Tech., the Netherlands)
Novel topologies in superconducting junctions
- J. Schmalian** (KIT, Karlsruhe, Germany)
Intertwined order: nematicity and beyond
- A. Shnirman** (KIT, Karlsruhe, Germany)
Magnetic dynamics
- K. Tikhonov** (Landau I. & HSE, Russia)
Localization on tree-like structures and in many-body systems
- V. Yudson** (HSE & I. of Spectroscopy, Russia)
Kondo impurities in helical Luttinger liquids
- E. Zeldov** (Weizmann I., Israel)
Scanning SQUID-on-tip microscopy

The school is followed by an international [Workshop on localization, interactions and superconductivity](#) (find more information and links at the school web-site).

The school invites applications from interested senior masters students, graduate students, and early-career scientists. Applications should be submitted by November 10 via the school web site at cmp.hse.ru/qcmp_school2017

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