

Friday, 24.01.2025, 1:15 p.m.
in Lecture Hall I of the Physics Institute

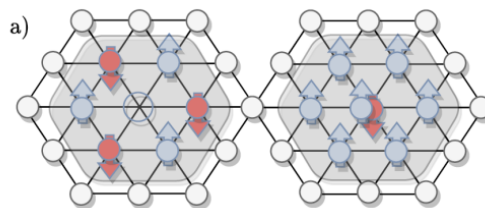


Eugene Demler

ETH Zürich

**„Quantum simulators: pointilist
perspective on many-body physics“**

I will discuss recent progress of the optical lattice emulators of the Fermi Hubbard model. The new feature of these experiments is availability of snapshots of many-body states with single particle resolution. I will review new insights from these experiments on the properties of doped Mott insulators, including demonstration of magnetically mediated pairing. I will discuss how experiments with cold atoms provide new perspective on kinetic magnetism in moire materials.



Everybody is welcome, especially students of all semester

