

Next IPC - November 22 - Eugene Demler, ETH Zürich

Meeting ID: 926 1403 5030

Passcode: 508567



ISRAEL PHYSICS COLLOQUIUM

Eugene Demler
ETH Zürich

Monday | November 22, 2021 | 15:55

Quantum simulators: from the Fermi Hubbard model to quantum assisted NMR inference

I will review 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 discuss new insight from these experiments on the properties of magnetic polarons in antiferromagnetic Mott insulators. I will also discuss the idea of using quantum simulators to perform inference of NMR spectra for biological molecules. Practical aspects of realizing this hybrid quantum-classical algorithm on currently available experimental platforms will be reviewed.

JOIN MEETING

Meeting ID: 926 1403 5030

Password: 508567

[Add to Google Calendar](#)



Install Zoom
zoom.us/download
or install the Zoom mobile phone app

More Information
Hadar Alper
Hadar.alper@weizmann.ac.il

www.israelphysicalsociety.org

Newsletter Items: