

Special Date & Time
Condensed Matter Seminar

Dr. Antonio Mezzacapo

(IBM)

**“Measurements of Complex Hamiltonians on
Quantum Computers”**

Thursday, May 20, 2021

2:00pm – 3:00pm

Virtual Meeting:

Zoom Link: <https://virginiatech.zoom.us/j/82035534807>

Passcode: 148981

We present methods to estimate averages of quantum operators given as linear combination of Pauli operators, on states prepared with quantum computers. The approaches illustrated make use of short depth circuits and are relevant for variational quantum simulations of quantum chemistry.