

Table of contents

Thursday 13 July 2023	1
-----------------------------	---

Workshop on Quantum Monte Carlo Methods at Work for Describing Novel States of Matter | (smr 3853)

Thursday 13 July 2023

- Budinich Lecture Hall (LB) (09:30-17:15)

time	title	presenter
09:30	Tensor Trains: Replacing Monte Carlo with Tensor Decompositions	CHRISTOPH EMANUEL GULL
10:15	Metal-insulator transition and quantum magnetism in the SU(3) Fermi-Hubbard Model	CHUNHAN FENG
11:00	Coffee break	
11:30	Excited states beyond Mott gap in half-filled Hubbard model	MASAO OGATA
12:15	Path Integration, Lexicographic Symmetrization, and Derivative-Free Energy Estimation Within the Stochastic Representation of Wavefunctions	LIAM BERNHEIMER
12:40	Lunch break	
14:30	Electron gas and hydrogen: From ground state energies towards excitation spectra	MARKUS HOLZMANN
15:15	Models derived from many-body ab initio calculations: high accuracy using quasiparticles	LUCAS KYLE WAGNER
16:00	Group Photo	
16:05	Coffee break	
16:30	QMC study of Hubbard models with Dirac dispersion	YUICHI OTSUKA