

Session Program

26-31 May 2024



Canadian Association
of Physicists

Association canadienne
des physiciens et physiciennes

2024 CAP Congress / Congrès de l'ACP 2024

***(DTP) M3-2 Quantum and Condensed Matter
Theory | Théorie quantique et de la matière
condensée (DPT)***

Western University

Sunday 26 May

16:15

(DTP) M3-2 Quantum and Condensed Matter Theory | Théorie quantique et de la matière condensée (DPT)

Session | Location: Social Science Centre, Western U, SSC Rm 2028 (cap. 135) | Convener: Prof. Manu Paranjape

16:15-16:45

Many-body mobility edges in 1D and 2D revealed by convolutional neural networks

Speaker

Anffany Chen

16:45-17:00

(G*) Preserving the Hermiticity of the One-body Density Matrix for a Non-interacting Fermi Gas

Speaker

Dean Eaton

17:00-17:15

(G*) Lattice Gauge theory on the Triamond Lattice

Speaker

Ali Hosseinzadehkavaki

17:15-17:30

(G*) Stability of a ferrofluid jet

Speaker

Karnav Raval

17:30-17:45

Higher-order Electron-Phonon Interactions and their Effect on the Thermal Conductivity of 2D Dirac Crystals

Speaker

Dr Sina Kazemian

17:45-18:00

Rigorous results on approach to thermal equilibrium of an optical quantum field mode scattering from the elements of a non-equilibrium quantum reservoir

Speaker

Marco Merkli

18:00