

# Workshop on Ultra-Quantum Matter

Poster Session – Tuesday, October 21

(Rubenstein Commons Room 5)

Name	Institution	Title of Poster
Yi-Hsien Du	Massachusetts Institute of Technology	Chiral Graviton Theory of Fractional Quantum Hall States
Luisa Eck	Caltech	Symmetry-Enriched Topological Order Beyond G-Grading
Jiechao Feng	University of California, Berkeley	Emergent Anyonic Exciton Superfluidity in $\nu=1/3+1/3$ Quantum Hall Bilayers: A DMRG Study
Lukas Homeier	JILA/ University of Colorado Boulder	Kinetically-Induced Bound States in a Frustrated Rydberg Tweezer Array
Clemens Kuhlenkamp	Harvard University	Mechanisms for Anyon Superconductivity
Patrick Ledwith	Massachusetts Institute of Technology	Nonlocal Moments and Dirac Trions in the Concentrated Chern Bands of Twisted Bilayer Graphene
Dachuan Lu	Harvard University & University of Colorado Boulder	Hopf Algebra Spin Chain and Self-Duality
Marvin Qi	University of Chicago	Bound on the Emergence of Hydrodynamics
Vibhu Ravindran	Caltech	Transition between Z2 Symmetry Protected Topological Phases on a Klein Bottle
Tomohiro Soejima	Harvard University	Topological Constraint on Crystalline Current
Ryan Spieler	University of Texas at Austin	Exploring Phase Transitions Using Topological Operations
Pavel Volkov	University of Connecticut	Tunable $t-t'-U$ Hubbard Models in Twisted Square Homobilayers
Taige Wang	Harvard University	Chiral Superconductivity near a Fractional Chern Insulator
Wen Wang	KITP, University of California, Santa Barbara	Topological Chiral Superconductivity in the Triangular-Lattice Hofstadter-Hubbard Model
Evan Wickenden	University of Colorado Boulder	Excitation-Detector Principle and Planon-Only Fracton Orders
Yunchao Zhang	Massachusetts Institute of Technology	Pathways from a Chiral Superconductor to a Composite Fermi Liquid