



Cuernavaca, Mexico
August 26 - September 6, 2024

Hour	Sept. 02	Sept. 03	Sept. 04	Sept. 05	Sept. 06
9:00 - 10:00					
10:00 - 11:30		Mesías Orozco Magnetic response properties in molecules as a way to diagnose electron delocalization.		Yael Hernández Emulation of non-abelian fields in tight-binding lattices.	
11:30 - 12:00	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break
12:00 - 13:00	Thomas Seligman Accidental degeneration; y and a warning about periodic boundary conditions.	Jorge Castro	Kenan Urióstegui, Jorge Castro <i>Discussion</i> NEGF model to calculate the electron transmission and current.	Humberto Saint-Martín Exploring the Dynamic Coordination Sphere of Lanthanide Aqua Ions: Insights from r2SCAN-3c Composite-DFT Born-Oppenheimer Molecular Dynamics Studies.	Rafael Méndez <i>Discussion</i> Coupled-resonator phononic systems: emulating spectra of atomic and condensed matter physics.
13:00 - 13:30					
13:30 - 15:00	Lunch Break	Lunch Break	Lunch Break	Lunch Break	Lunch Break
15:00 - 16:00	Caio Lewenkopf Strongly disordered and amorphous topological insulators				
16:00 - 17:00		Rosa Di Felice Quantum simulations of fermionic and spin Hamiltonians			
17:00 - 18:00					

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Hour	Aug.26	Aug.27	Aug.28	Aug.29	Aug.30
9:00 - 10:00	Isaac Alcón Twisting between topological phases in 1D conjugated polymers				Stefan Bromley From Molecular Radicals to 2D Quantum Materials
10:00 - 11:30		Stephan Roche Linear scaling quantum transport methodologies & applications to Topological Matter)			
11:30 - 12:00	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break
12:00 - 13:00			Parisa Majari Computational Investigations of Electronic Transport in 2D Materials	Jorge Lizárraga Electronic transport and anti-super-Klein tunneling in few-layer black phosphorous	
13:00 - 13:30					
13:30 - 15:00	Lunch Break	Lunch Break	Lunch Break	Lunch Break	Lunch Break
15:00 - 16:00	Caio Lewenkopf Strongly disordered and amorphous topological insulators				
16:00 - 17:00		Santiago Galván Atomically Thin Current Pathways in Graphene through Kekulé-O Engineering	Jesús Sánchez Electronic and transport properties of twisted bilayers	Yenni Ortiz Quantum transport in molecular junctions	Tathagata Kar Electronic and transport properties of twisted bilayers
17:00 - 18:00					