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Workshop on Quantum Science and Quantum Technologies | (smr 3183)

Tuesday 12 September 2017

- Budinich Lecture Hall (LB) (08:35-18:25)

time	title	presenter
09:00	Resource theory of quantum superpositions	THOMAS THEURER
09:35	Optimal quantum driving of a thermal machine	ANDREA MARI
10:10	Entanglement and coherence in quantum state merging	ALEXANDER STRELTSOV
10:45	Break	
11:15	Coherent spectroscopy of interacting, ultracold bosons using a clock transition	FABRICE GERBIER
11:50	Towards quantum many-body physics with Sr in optical lattices	SEBASTIAN BLATT
12:25	Analog and digital-analogue quantum simulation of the Quantum Rabi Model	ENRIQUE SOLANO
13:00	Lunch break	
15:00	Quantum simulation and spectroscopy of entanglement Hamiltonians	MARCELLO DALMONTE
15:35	Energy as a Detector of Nonlocality of Many-Body Spin Systems	JORDI TURA I BRUGUÉS
16:10	Break	
16:40	The Aharonov-Bohm effect in mesoscopic Bose-Einstein condensates	TOBIAS HAUG
16:55	A Time-Dependent RG Approach to the Adiabatic Ising Model	PETER MASON
17:10	Emergence of entanglement with temperature and time over zero-entanglement states in quantum many-body systems	AMIT KUMAR PAL
17:25	Entanglement spectrum and topological phase of spin ladder in presence of spin-orbit interaction	NEDA RIAHI SAMANI
17:40	Spin resonance under topological driving fields	ANDRES REYNOSO
17:55	Quantum Uncertainty relations: Engaging the median when mean is not licit	ANINDITA BERA
18:10	Quantum systems and traversable wormholes	CARLOS SABÌN LESTAYO