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Advanced School and Workshop on Correlations in Electron Systems – from Quantum Criticality to Topology | (smr 3232)

Friday 10 August 2018

**: Mini-workshop "Fermions: heavy, topological, and critical" - Budinich Lecture Hall (LB)
(09:00-17:00)**

time	title	presenter
09:00	Opening remarks	
09:05	Normal State and Electron Pairing Near Ferromagnetic and Ferroelectric Phase Transitions	G. LONZARICH
09:35	The attraction between antiferromagnetic quantum vortices as origin of superconductivity in hole-doped cuprates	L. YU
10:05	Coffee break	
10:35	Emergent symmetry and transport in disordered quantum chains	E. MIRANDA
11:05	Effect of elasticity and disorder on nematic properties of a correlated metal	I. PAUL
11:35	Electron Correlations and Unconventional Superconductivity	Q. SI
12:05	Lunch break	
14:00	Odd-frequency pairing in Kondo-Heisenberg model: rigorous results	A. TSVELIK
14:30	Fractionalization or not: a story of quantum criticality and emergent symmetry	C. PEPIN
15:00	Quantum materials into the microkelvin regime	J. SAUNDERS
15:30	Coffee break	
16:00	Thermalization of cold bosons by dynamical heat bath generation	A. POSAZHENNIKOVA
16:30	Dynamic phase transitions and anomalous critical behavior of a purely quantum random energy model	L. IOFFE