

Mini-Workshop on Monte Carlo Methods and Its Applications in Lattice Models

Jan, 9			
Time		Title	Speaker
Morning	08:50~10:20	Finite-size scaling at classical and quantum phase transitions	Anders Sandvik
	10:20~10:30	Break	
	10:30~12:00	Unconventional Surface Critical Behaviors Induced by Quantum Phase Transition from 2D AKLT Phase to Neel Order	Long Zhang
Afternoon	14:00~15:00	Spectral Functions of the Square-Lattice Heisenberg Model	Hui Shao
	15:00~16:00	The amplitude mode in three-dimensional dimerized antiferromagnets	Yanqi Qin
	16:00~16:10	Break	
	16:10~17:10	Extended Coulomb liquid phase of a generic hardcore boson model on a pyrochlore lattice	Chun-Jiong Huang
	17:10~18:10	The three-state Potts antiferromagnet on plane quadrangulations of self-dual and non-self-dual type	Jian-Ping Lv
Jan, 10			
Time		Title	Speaker
Morning	08:50~10:20	Irreversible Markov-chain Monte Carlo method	Youjin Deng
	10:20~10:30	Break	
	10:30~12:00	Self-Learning Determinantal Quantum Monte Carlo Method	Xiaoyan Xu
Afternoon	14:00~15:00	Quantum Monte Carlo Study of Disordered Spin Systems	Dao-Xin Yao
	15:00~16:00	Criticality and scaling corrections in 2D dimerized antiferromagnets	Nv-Sen Ma
	16:00~16:10	Break	
	16:10~17:10	Caution on emergent continuous symmetry: a Monte Carlo investigation of transverse-field frustrated Ising model on the triangle and the honeycomb lattices	Yancheng Wang