



**The program of the international workshop
«Monte Carlo methods in computer simulations of complex systems»**

School of Biomedicine, FEFU, office 707
12-24 October 2014

Time	Speaker	Title
	Monday 12 October 2015 Arrival of participants	
	Tuesday 13 October 2015	
	M. Mueller-Preussker Humboldt University, Berlin	«Thermodynamics from lattice QCD with Wilson twisted mass fermions »
15:30-15:45	<i>Opening</i>	
15:45-16:45	A. Nakamura RCNP, Osaka and FEFU	«Finite density and temperature lattice QCD at FEFU»
16:45-17:00	Break	
17:00-18:00	V. Zakharov ITEP / FEFU	«Hagedorn temperature and physics of black holes»
	Wednesday 14 October 2015	
10:00-10:30	M. Chernodub, University of Tours, Tours/FEFU, Vladivostok	In memory of M.I. Polikarpov
10:30-11:30	R. Horsley Edinburgh University	«SU(3) flavor symmetry breaking and lattice QCD»
11:30-12:00	<i>Coffee-break</i>	
12:00-13:00	G. Schierholz, DESY, Hamburg	«Flavor physics from lattice QCD + QED»
13:00-13:30	Discussion	
13:30-15:30	<i>Lunch</i>	
15:30-16:30	E-M. Ilgenfritz, JINR, Dubna	Calorons and Dyons in Lattice Gluodynamics
16:30-17:00	<i>Coffee-break</i>	
17:00-18:00	B. Martemyanov	Dyons on the lattice
18:00-18:30	Discussion	
	Thursday 15 October 2014	
10:00-11:00	M. Chernodub, University of Tours, Tours/FEFU, Vladivostok	"Chiral Heat Wave in Chiral Media"
11:00-11:30	<i>Coffee-break</i>	
11:30-12:30	M. Zubkov ITEP / FEFU	Application of quantum field theory methods in physics of semimetals.

12:30-13:00	Discussion	
13:00-15:00	<i>Lunch</i>	
15:00-16:00	O.V. Pavlovsky, MSU, Moscow/ITEP, Mocsow	Monte Carlo study of conformal state: from condensed matter to neuroscience
16:00-16:30	<i>Coffee-break</i>	
16:30-17:30	R. Rogalyov, FEFU, Vladivostok / IHEP, Protvino	" $\langle A^2 \rangle$ condensate asymmetry and infrared behavior of the SU(2) gluon propagators at finite temperatures"
17:30-18:00	Discussion	
	Friday 16 October 2015	
10:00-13:00	Excursion	
13:00-15:00	<i>Lunch</i>	
15:00-18:00	Excursion	
19:00	<i>Conference Dinner</i>	
	Saturday 17 October 2015	
10:00-11:00	Shevchenko V. Kurchatov Institute	Quantum measurements and Landauer's principle
11:00-11:30	<i>Coffee-break</i>	
	N. Astrahantsev, MPTI / ITEP	Study of shear viscosity of lattice SU(2) gluodynamics
	<i>Free time</i>	
	Sunday 18 October 2015	
10:00-11:00	V.V. Braguta, IHEP, Protvino/ FEFU, Vladivostok	Lattice simulation of QCD with nonzero chirality
11:00-11:30	Break	
11:30-12:00	E. Lushevskaya, ITEP, Moscow / FEFU	Polarizability of pseudoscalar mesons from the lattice calculations
12:00-12:30	O. Solovyova MEPI / ITEP	The magnetic polarizabilities and g-factor of the charged and neutral rho and K* mesons in a strong magnetic field on the lattice"
12:30-13:00	A. Novoselov MSU, Moscow / ITEP	Applications of supercomputers and CUDA for PIMC simulations in condensed matter physics by the example of metallic hydrogen
13:00-15:00	<i>Lunch</i>	
15:00-17:00	Discussion on collaboration with QCDSF	