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 19 October 2015	
10:00-11:00	E. Bratkovskaya	"QCD and heavy-ion collisions"
11:00-11:30	*Coffee-break*	
11:30-12:00	A. Kotov, ITEP	"Lattice simulation of two-color QCD at non-zero baryon density"
12:00-12:30	A. Nikolaev, FEFU / ITEP	"Canonical approach in lattice QCD with finite baryon and charge chemical potentials"
12:30-13:00	Discussion	
13:00-15:00	*Lunch*	
15:00-16:00	M. Chernodub, University of Tours / FEFU	"Chiral Waves in Chiral Media "
16:00-16:30	*Coffee-break*	
16:30-17:00	E. Luschevskaya, ITEP, Moscow / FEFU	Computer modelling of (anti)hydrogen sympathetic cooling by Monte-Carlo method
17:00-18:30	Discussion of joint projects with QCDSF	
	Tuesday 20 October 2014	
10:00-11:00 **room 624**	G. Schierholz, DESY, Hamburg	The electric dipole moment of the neutron from lattice QCD
11:00-11:30 **room 624**	S. Polikarpov, ITEP	Some applications of Monte-Carlo methods in experimental B-physics
11:30-12:00	*Coffee-break*	
12:00-13:00	R. Horsley , Edinburgh University	A Feynman-Hellmann approach to the spin structure of hadrons
13:00-15:00	*Lunch*	
15:00-16:00	V. Zakharov, ITEP / FEFU	Towards theory of liquids in terms of scalar fields
16:00-16:30	*Coffee-break*	
16:30-17:30	M. Chernodub, University of / FEFU	"Chiral Waves in Chiral Media "
17:30-19:00	Discussion on QCD at finite temperature and / or finite density	
	Wednesday 21 October 2015	
10:00-11:00	V. Zakharov, ITEP / FEFU	Towards theory of liquids in terms of scalar fields

11:00-11:30	*Coffee-break*	
11:30-12:30	A. Nakamura RCNP / FEFU	Lee-Yang zeros and QCD phase transition
12:30-13:00	Discussion	
13:00-15:00	*Lunch*	
15:00-16:00	M. Ilgenfritz, JINR, Dubna	Lattice study of gluon and ghost propagators in Landau gauge QCD
16:00-16:50	*Coffee-break*	
16:50-17:50	B. Martemyanov, ITEP / MPTI	From instanton to caloron (lecture for students, in Russian) От инстантона до калорона наших дней
17:50-19:00	Discussion of QCD at finite temperature and / or finite density	
	Thursday 22 October 2015	
10:00-11:00	Discussion of the collaborative projects (gradient flow, topological fluctuations, equation of state)	
11:00-11:30	D. Boyda, FEFU / ITEP	Numerical study of graphene electronic properties
11:30-12:30	R. Rogalyov, IHEP / FEFU	Fitting of experimental data (lecture for students, in Russian) Подгонка (фитирование) экспериментальных данных
12:30-13:00	Discussion	
13:00-15:20	*Lunch*	
15:20-16:20	O. Pavlovsky MSU / FEFU / ITEP	Qualitative Computational Neurobiology: is our brain a statistical machine? (lecture for students, in Russian) Качественная вычислительная нейробиология: является ли наш мозг статистической машиной?
16:20-16:50	*Coffee-break*	
16:50-19:00	Discussion of the collaborative projects (propagators and vertices in Landau and MA gauges)	
	Friday 23 October 2015	
10:00-11:00	Discussion of the collaborative projects	
11:00-11:30	*Coffee-break*	
11:30-13:00	Discussion of the collaborative projects	
13:00-15:00	*Lunch*	
15:00-16:00	Discussion of the collaborative projects	
16:00-16:30	*Closing of the Workshop*	
	Saturday 24 October 2015	
	Departure of the participants	