



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

School of Biomedicine, FEFU, office 707
09-15 October 2017

Time	Speaker	Title
	Monday 09 October 2017 Arrival of participants	
	Tuesday 10 October 2017 Room 422	
11:00-11:15	<i>Opening</i>	
11:15-12:15	Atsushi Nakamura, FEFU and RCNP, Osaka	QCD phase structure and heavy ion collisions
12:15-13:15	Maria-Paola Lombardo, Frascati, Italy	Hot QCD from twisted mass Wilson fermions
13:15-15:00	<i>Lunch</i>	
15:00-16:00	Takahiro Doi, RIKEN, Wako	Improved complex Langevin method by modifying a theory
16:00-17:00	Hideaki Iida, FEFU and RIKEN, Wako	Inter-gluon interaction from lattice gauge theory
17:00-17:30	<i>Discussion</i>	
17:30-19:30	<i>Welcome party Room 810</i>	
	Wednesday 11 October 2017	
10:00-11:00	Valentin Zakharov, ITEP, Moscow	Chiral vortical effect in pionic superfluid vs spin alignment of baryons
11:00-12:00	Viktor Braguta ITEP, Moscow	SU(2) QCD at finite chemical potential
12:00-12:30	<i>Coffee-break</i>	
12:30-13:00	Alexander Nikolaev, FEFU, Vladivostok and ITEP, Moscow,	Properties of SU(2) QCD at nonzero baryon density
1 13:00-13:30	Denis Boyda, FEFU, Vladivostok	Towards determination of QCD phase transition line in the canonical approach.
13:30-15:30	<i>Lunch</i>	
15:30-16:00	Masayuki Wakayama, FEFU and RIKEN, Wako	Lee-Yang zeros computation in lattice QCD
16:00-16:30	Olga Solovyeva, ITEP Moscow	Tetraquarks and molecular states in lattice QCD
16:30-17:00	<i>Coffee-break</i>	
17:00-18:00	<i>Discussion</i>	
	Thursday 12 October 2017	
10:00-11:00	Larissa Bravina, Oslo, Norway	Monte Carlo realisation of Quark Gluon

		String Model
11:00-12:00	Nodoka Yamanaka	Montecarlo study of charmonium production processes at LHC
12:00-13:00	Andrey Kotov, ITEP, Moscow	Viscosity computation in lattice QCD
13:00-14:00	<i>Lunch</i>	
14:00-18:00	<i>Excursion</i>	
19:00	<i>Conference Dinner</i>	
Friday 13 October 2017		
10:00-11:00	Alexander Molochkov, FEFU, Vladivostok	TBA
11:00-12:00	Vitaly Bornyakov, IHEP, Protvino and FEFU	Lattice QCD study using canonical ensemble approach
12:00-12:30	<i>Coffee-break</i>	
12:30-13:30	Roman Rogalyov, IHEP, Protvino	Gluon propagators at finite chemical potential
13:30-15:00	<i>Lunch</i>	
15:00-16:00	O.V. Pavlovsky, MSU, Moscow/ITEP, Moscow	Monte-Carlo simulation of quantum neutral networks
16:00-16:30	Hiroyuki Tajima, RIKEN, Wako	Biomechanical properties of the weightlifting motion
16:30-17:00	Andrey Kotov, ITEP, Moscow	Phase diagram of Dirac semi-metals
17:00-17:30	Vladimir Goy, FEFU, Vladivostok	Restoring canonical partition function from imaginary chemical potential
Saturday 14 October 2017		
11:00-12:30	Collaboration meeting Lattice QCD at nonzero baryon density	
12:30-14:00	<i>Lunch</i>	
14:00-16:00	Collaboration meeting	
Sunday 15 October 2017		
Departure of participants		