

## Session 4: Heavy ion collisions & quark matter

### Session conveners:

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Timothy Hallman (BNL)  
Xin-Nian Wang (Berkeley)  
Dmitry Kharzeev (BNL)

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**Beige Hall**

**Thursday, July 27, 2006**

### Session I

**10:00 – 11:30**

Chair: **I. M. Dremin**  
Secretaries: **Vladimir Skokov**  
**Sergey Kuklin**

<b>09:30 – 09:55</b>	QCD at the high energy/density frontier	<b>D. Kharzeev</b>
<b>09:55 – 10:15</b>	Bulk Phenomena at RHIC	<b>N. Xu</b> (LBNL, USA)
<b>10:15 – 10:35</b>	Global Observables at RHIC	<b>A. Milov</b> (BNL, USA)
<b>10:35 – 10:55</b>	Systematics of Elliptic Flow	<b>S. Voloshin</b> (Wayne Univ.)
<b>10:55 – 11:15</b>	Collective Behavior in Heavy Ion Collisions	<b>R. Lacey</b> (SUNY Stony Brook)
<b>11:15 – 11:30</b>	Equilibration of Matter near QCD Critical Point	<b>L. Bravina</b> (Univ. of Oslo)
<b>11:30 – 11:40</b>	Collective effects and compound flow in heavy ion collisions	<b>V. Okorokov</b> (Moscow)

### Session II

**12:00 – 13:30**

Chair: **X. N. Wang**  
Secretaries: **Vladimir Skokov**  
**Sergey Kuklin**

<b>12:00 – 12:25</b>	Hard Processes in Heavy Ion Collisions	<b>N. Armesto</b> (Univ. de Santiago de Compostela)
<b>12:25 – 12:45</b>	Hard Processes at RHIC	<b>H. Buesching</b>
<b>12:45 – 13:05</b>	Debye Screening in the hot non-Abelian Plasma	<b>N. Agasian</b> (ITEP Moscow)
<b>13:05 – 13:20</b>	Suppression of high $p_t$ non-photonic electrons at RHIC	<b>D. Arkhipkin</b> (JINR Dubna)
<b>13:20 – 13:35</b>	Simulation of jet quenching in heavy ion collisions	<b>I. Lokhtin</b> (SINP MSU Moscow)

**Session III****14:30 – 16:00**

Chair: **T. J. Hallman**  
 Secretaries: **Vladimir Skokov**  
**Sergey Kuklin**

<b>14:30– 14:50</b>	Cerenkov gluons as a probe of nuclear matter	<b>I. Dremin</b> (LPI Moscow)
<b>14:50 – 15:10</b>	Phases of hadronic matter in BRAHMS experiment	<b>P. Staszal</b> (Krakow)
<b>15:10 – 15:25</b>	Di-lepton production at backward rapidities	<b>B. Gay Ducati</b> (UFRGS Brazil)
<b>15:25 – 15:40</b>	Ultra-Peripheral Heavy Ion Collisions	<b>V. Emel'yanov</b> (MEPI Moscow)
<b>15:40 – 16:00</b>	Particle correlations in heavy ion collisions	<b>R. Lednicky</b> (JINR Dubna)

**Session IV****16:30 – 19:00**

Chair: **D. E. Kharzeev**  
 Secretaries: **Vladimir Skokov**  
**Sergey Kuklin**

**Chair:**

<b>16:30 – 16:50</b>	Strongly interacting quark matter	<b>P. Levai</b> (KFKI RMKI Budapest)
<b>16:50 – 17:10</b>	QCD Matter: search for mixed phase	<b>A. Sorin</b> (JINR Dubna)
<b>17:10 – 17:30</b>	Cross-Over, Fluctuation Phenomena, and Anderson Transition at the onset of QM phase	<b>B. Kerbikov</b> (ITEP Moscow)
<b>17:30 – 17:50</b>	NA60 results on J/psi production	<b>H. Woehri</b> (INFN Cagliari)
<b>17:50 – 18:10</b>	Physics with the ALICE Detector at LHC	<b>K. Safarik</b> (CERN)
<b>18:10 – 18:30</b>	Heavy Ion Physics with the CMS Detector	<b>L. Sarycheva</b> (SINP MSU Moscow)
<b>18:30 – 18:45</b>	Observation of Quarkonia in the CMS detector at the LHC	<b>O. Kodolova</b> (SINP MSU Moscow)
<b>18:45 – 19:00</b>	Scale dependent analysis approach for STAR events	<b>O. Rogachevsky</b> (JINR Dubna)