



**The Physics of High Baryon Density**  
**ECT\* Trento, Italy**  
**May 29 – June 2, 2006**  
**preliminary program**



<b>Monday, May 29</b>		
<b>Time</b>	<b>Title</b>	<b>Speaker</b>
9:30 – 10:00	The QCD Phase diagram	M. Stephanov (Chicago)
10:00 – 10:30	Lattice QCD: EOS and fluctuations	E. Laermann (Bielefeld)
10:30 – 11:00	Signals of deconfinement	N. Xu (Berkeley)
11:00 – 11:30	Break	
11:30 – 12:00	Status Physics Book: EOS	S. Leupold (Giessen)
12:00 – 12:30	Status Physics Book: In-medium excitations	B. Kämpfer (Dresden)
12:30 – 14:00	Lunch	
14:00 – 14:30	Status Physics Book: collision dynamics	C. Fuchs (Tübingen)
14:30 – 15:00	Status Physics Book: Observables, predictions	E. Bratkovskaya (Frankfurt)
15:00 – 15:30	Status CBM experiment	V. Friese (Darmstadt)
15:30 – 16:00	Break	
16:00 – 19:00	Working group meetings	
19:00	Dinner	

<b>Tuesday, May 30</b>		
<b>Time</b>	<b>Title</b>	<b>Speaker</b>
9:30 – 10:00	Hadrons in medium	S. Leupold (Giessen)
10:00 – 10:30	Dileptons: phenomenology and observables	R. Rapp (College Station)
10:30 – 11:00	Di-Electron experiments	J. Stroth (Frankfurt)
11:00 – 11:30	Break	
11:30 – 12:30	Discussion on Chapter EOS	
12:30 – 14:00	Lunch	
14:00 – 14:30	Di-muon measurements with NA60	E. Scapparini (Torino)
14:30 – 15:00	Transport and in-medium effects	C. Fuchs (Tübingen)
15:00 – 15:30	Strangeness in medium	N. Herrmann (Heidelberg)
15:30 – 16:00	Break	
16:00 – 17:00	Discussion on Chapter In-medium excitations	
17:00 – 19:00	Working group meetings	
19:00	Dinner	

**Wednesday, May 31**

Time	Title	Speaker
9:30 – 10:00	Heavy quark potentials and spectral functions	P. Petreczky (Brookhaven)
10:00 – 10:30	Kinetics of charm in medium	H. van Hees (College Station)
10:30 – 11:00	Charm in transport	W. Cassing (Giessen)
11:00 – 11:30	Break	
11:30 – 12:30	Discussion on Chapter Collision dynamics	
12:30 – 14:00	Lunch	
14:00 – 14:30	Charm production at RHIC	K. Schweda (Heidelberg)
14:30 – 15:00	Strangeness production at AGS and SPS	C. Höhne (Darmstadt)
15:00 – 15:30	Pion and kaon production at 2-40 A GeV	A. Larionov (Giessen)
15:30 – 16:00	Break	
16:00 – 17:00	Discussion on Chapter Observables, predictions	
17:00 – 19:00	Working group meetings	
19:00	Dinner	

**Thursday, June 1**

Time	Title	Speaker
9:30 – 10:00	Phase transition phenomenology	E. Shuryak (Stony Brook)
10:00 – 10:30	Phases of QCD: a field theoretical model	C. Ratti (Trento)
10:30 – 11:00	EOS constraints from Astrophysics	D. Blaschke (Rostock)
11:00 – 11:30	Break	
11:30 – 12:30	Discussion session	
12:30 – 14:00	Lunch	
14:00 – 14:30	Collective dynamics	Che-Ming Ko (College Station)
14:30 – 15:00	Isentropes in a 'realistic' phase diagram	G. Zeeb (Frankfurt)
15:00 – 15:30	Collective flow in hydrodynamics (AGS to SPS)	Y. Ivanov (Moscow)
15:30 – 16:00	Break	
16:00 – 19:00	Working group meetings	
19:00	Dinner	

**Friday, June 2**

Time	Title	Speaker
9:30 – 10:00	Lattice QCD at finite $\mu_B$	Z. Fodor (Wuppertal)
10:00 – 10:30	pQCD and EOS	K. Rummukainen (Geneva)
10:30 – 11:00	Fluctuations	V. Koch (Berkeley)
11:00 – 11:30	Break	
11:30 – 12:00	Equilibration of matter near QCD critical point	E. Zabrodin (Oslo)
12:00 – 12:30	Signatures of a first order phase transition	J. Randrup (Berkeley)
12:30 – 14:00	Lunch	
14:00 – 14:30	The low-energy program at RHIC	H-G. Ritter (Berkeley)
14:30 – 15:00		
15:00 – 15:30	Break	
15:30 – 18:30	Discussion on next steps	
19:00	Dinner	