

Can we Discover the QCD Critical Point at RHIC?
March 9 – 10, 2006
Workshop Agenda

Thursday, March 9

8:30 – 9:00	<i>Registration</i>	
<i>Chair: T. Ludlam</i>		
9:00 – 9:10	Welcome	T. Ludlam (10)
9:10 – 9:50	Introduction and overview	K. Rajagopal (35+5)
9:50 – 10:25	Lattice results on the QCD critical point	F. Karsch (30+5)
10:25	<i>Break (15)</i>	
10:40 – 11:05	Fluctuations at the critical point	M. Stephanov (20+5)
11:05 – 11:40	Experimental overview & prospects for RHIC	G. Roland (30+5)
11:40 – 12:15	RHIC machine considerations	T. Satogata (30+5)
12:15	<i>Lunch</i>	
<i>Chair: George Stephans</i>		
1:30 – 2:00	Excitation function – NA 49 results	P. Seyboth (25+5)
2:00 – 2:30	Excitation function—onset of deconfinement	E. Shuryak (25+5)
2:30 – 2:50	Soft mode of the QCD critical point	H. Fujii (15+5)
2:50 – 3:10	Baryon number fluctuation near the critical point	Y. Hatta (15+5)
3:10	<i>Break (15)</i>	
3:25 – 3:55	Hydro evolution near the QCD critical point	C. Nonaka (15+5)
3:55 – 4:25	Future prospects for the CERN SPS	M. Gazdzicki (25+5)
4:25 – 5:00	Experiments with PHENIX near the critical point	P. Steinberg (25+10)
5:00 – 5:35	Experiments with STAR near the critical point	T. Nayak (25+10)
6:15	<i>Reception and dinner</i>	

Friday, March 10

<i>Chair: F. Videbaek</i>		
8:30 – 9:30	<u>Low energy operation of RHIC:</u> AGS low energy extraction performance	N. Tsoupas (15+5)
	Luminosity monitoring issues	A. Drees (15+5)
	Low energy electron cooling	A. Fedotov (15+5)
9:30 – 10:00	Energy dependence of temperature and baryochemical potential	K. Redlich (25+5)
10:00 – 10:25	Observable power laws at the QCD critical point	N. Antoniou (20+5)
10:25	<i>Break (15)</i>	
10:40– 11:10	The CBM experiment at FAIR	P. Senger (25+5)
11:10 – 11:35	Excitation function – experimental perspective	N. Xu (20+5))
11:35 – 12:00	Experience with CERES	H. Appelshauser (20+5)
12:00 – 12:25	Critical point at SPS energy?	R. Stock (20+5)
12:25	<i>Lunch</i>	
<i>Chair: L. McLerran</i>		
2:00 – 2:30	Lattice calculations at finite baryon potential	Z. Fodor (25+5)
2:30 – 3:00	Fluctuations and correlations	V. Koch (25+5)
3:00 – 3:25	Hadron production and phase changes	J. Rafelski (20+5)
3:25 – 3:45	Can we discover the first-order phase transition at RHIC?	J. Randrup (15+5)
3:45	<i>Break (15)</i>	
4:00 – 4:20	Signals of the first order phase transition	H. Stoecker (15+5)
4:20 – 5:30	Summary/discussion – prospects for experiments at RHIC	<i>Discussion Leaders :</i> H.-G. Ritter & T. Roser
5:30	<i>Adjourn</i>	